URS

June 20, 2003

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

Re: Second Quarter 2003 Groundwater Monitoring Report
Former BP Service Station #11132
3201 35th Avenue
Oakland, California
URS Project #38486248

Dear Mr. Hwang:

On behalf of the Group Environmental Management Company (an affiliated company of BP), URS Corporation (URS) is submitting the *Second Quarter 2003 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

CERTIFIED HYDROGEOLOGIST LEONARD P. NILES NO.HG357 EXP. 3/31/04 STATE OF CALIFORNIA

Leonard P. Niles, R.G /C.H.G.
Senior Geologist

Enclosure: Second Quarter 2003 Groundwater Monitoring Report

cc. Mr. Paul Supple, BP GEM, PO Box 6549, Moraga, CA 94570
Ms. Liz Sewell, ConocoPhilips, 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
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893.3600
Fax: 510.874.3268

REPORT

SECOND QUARTER 2003 GROUNDWATER MONITORING

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

Prepared for
BP GEM

June 20, 2003

URS
URS Corporation
500 12th Street, Suite 200
Oakland, California 94607

38486248

Date: June 20, 2003

Quarter: 2Q 03

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11132	Address:	3201 35th Avenue Oakland, CA
BP Environmental Engineer:			Paul Supple
Consulting Co./Contact Person:			URS Corporation/ Leonard Niles
Consultant Project No.:			38486248
Primary Agency/Regulatory ID No.:			Alameda County Health Care Services Agency (ACHCSA)/ #RO0000014

WORK PERFORMED THIS QUARTER (Second – 2003):

1. Performed second quarter 2003 groundwater monitoring event on May 22, 2003.
2. Prepared and submitted second quarter 2003 groundwater monitoring report.
3. Prepared and submitted workplan addendum on May 28, 2003.

WORK PROPOSED FOR NEXT QUARTER (Third – 2003):

1. Perform third quarter 2003 groundwater monitoring event.
2. Prepare third quarter 2003 groundwater monitoring report.
3. Perform monthly free product gauging and bailing as an interim remedial action measure.
4. Perform additional subsurface investigation pending workplan approval.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-1, MW-2, MW-8 through MW-10, and RW-1 quarterly; Wells MW-3 through MW-5 annually (1st quarter)
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	FP detected in MW-1, sheen was detected in MW-2, MW-8, MW-9, MW-10, and RW-1
FP Recovered this Quarter:	0.14 Gallons
Cumulative FP Recovered To Date:	2.34 Gallons
Current Remediation Techniques:	Interim Free Product Bailing
Approximate Depth to Groundwater:	14.35 (MW-5) to 19.35 (MW-4) feet
Groundwater Gradient (direction):	Southwest (onsite) to Southeast (offsite)
Groundwater Gradient (magnitude):	0.006 (onsite) to 0.016 (offsite) feet per foot

DISCUSSION:

TPH-g was detected in five out of five wells sampled this quarter at concentrations ranging from 9,900 micrograms per liter (µg/L) in well MW-5 to 52,000 µg/L in well MW-2 Benzene was detected in five wells at concentrations ranging from 260 µg/L in well MW-9 to 6,400 µg/L in well MW-2. MTBE was detected in three wells at concentrations ranging from 46 µg/L in MW-8 to 1,000 µg/L in MW-2. Wells MW-1 and RW-1 could not be sampled due to the presence of free product; approximately 520 milliliters (0.14 gallons) of free product was bailed from these wells. Free product bailing will now be performed at monthly intervals as an interim remediation measure.

URS is currently awaiting the approval of the workplan addendum submitted to ACHCSA on May 28, 2003 proposing the installation of off-site and on-site soil borings. URS is evaluating the feasibility of reactivating the onsite groundwater/free product extraction and treatment system.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Table 3 – Free Product Removal
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – May 22, 2003
- Attachment A – Concentration and Water Level Trends (MW-2)
- 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

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-1		7/9/1990	169.75	—	0.22	—	—	—	—	—	—	—	—
MW-1		12/21/1990	169.75	—	0.58	—	—	—	—	—	—	—	—
MW-1		3/7/1991	169 75	20 59	—	—	—	—	—	—	—	—	—
MW-1		6/27/1991	169.75	—	0.18	—	—	—	—	—	—	—	—
MW-1		9/27/1991	169.75	—	0.27	—	—	—	—	—	—	—	—
MW-1		12/18/1991	169.75	—	0.28	—	—	—	—	—	—	—	—
MW-1		4/1/1991	169.75	16.51	0.15	153.35	—	—	—	—	—	—	—
MW-1		7/3/1992	169.75	22.30	0.27	147.65	—	—	—	—	—	—	—
MW-1		10/5/1992	169.75	23.98	0.24	145.95	—	—	—	—	—	—	—
MW-1		1/13/1993	169.75	17.03	0.24	152.90	—	—	—	—	—	—	—
MW-1		4/23/1993	169.75	18.10	0.42	151.97	—	—	—	—	—	—	—
MW-1		7/12/1993	169.75	22.02	0.49	148.10	—	—	—	—	—	—	—
MW-1		10/21/1993	169.75	25.12	1.09	145.45	—	—	—	—	—	—	—
MW-1		1/21/1994	169.75	23.02	0.76	147.30	—	—	—	—	—	—	—
MW-1		4/20/1994	169.75	24.54	1.80	146.56	—	—	—	—	—	—	—
MW-1		8/1/1994	169.75	24.11	0.35	145.90	—	—	—	—	—	—	—
MW-1		12/23/1994	169.75	18.19	0.29	151.78	—	—	—	—	—	—	—
MW-1		1/26/1995	169.75	16.25	1.10	154.33	—	—	—	—	—	—	—
MW-1		6/8/1995	169.75	22.92	1.20	147.73	—	—	—	—	—	—	—
MW-1		8/22/1995	169.75	24.45	0.85	145.94	—	—	—	—	—	—	—
MW-1		10/27/1995	169.75	25.41	0.69	144.86	—	—	—	—	—	—	—
MW-1		1/25/1996	169.75	18.20	1.40	152.60	—	—	—	—	—	—	—
MW-1		4/19/1996	169.75	19.06	1.22	151.61	—	—	—	—	—	—	—
MW-1		7/23/1996	169.75	22.98	0.89	147.44	—	—	—	—	—	—	—
MW-1		11/11/1996	169.75	23.99	0.98	146.50	—	—	—	—	—	—	—
MW-1		1/21/1997	169.75	16.80	0.90	153.63	—	—	—	—	—	—	—
MW-1		4/29/1997	169.75	21.90	0.85	148.49	—	—	—	—	—	—	—
MW-1		4/30/1997	169.75	—	—	—	100000	3600	8000	4000	21300	7700	5.2
QC-1	(c)	4/30/1997	—	—	—	—	92000	3500	8100	4400	23800	6900	—
MW-1		8/21/1997	169.75	23.40	0.87	147.00	140000	3000	8500	3900	22100	5700	5.3
QC-1	(c)	8/21/1997	—	—	—	—	120000	3200	8100	3800	19600	5200	—
MW-1		11/5/1997	169.75	23.70	0.54	146.46	68000	6200	4400	3300	14300	8000	4.7
QC-1	(c)	11/5/1997	—	—	—	—	88000	7300	4800	3600	16900	8200	—
MW-1		2/3/1998	169.75	13.63	0.32	156.36	—	—	—	—	—	—	—
MW-1		2/4/1998	—	—	—	—	190000	2200	10000	5600	32000	ND<10000	5.3
QC-1	(c)	2/4/1998	—	—	—	—	160000	2300	8400	5000	29400	ND<10000	—
MW-1		5/28/1998	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		2/2/1999	169.75	18.93	0.03	150.84	79000	480	3100	3500	21000	3500	—
MW-1		5/10/1999	169.75	18.28	0.03	151.49	110000	160	1900	3700	24000	3000	—
MW-1		8/24/1999	169.75	20.13	0.06	149.67	110000	850	1300	1900	19000	ND<50	—
MW-1		11/3/1999	169.75	22.27	0 36	147.77	65000	6300	1100	3300	9500	8900	—

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MW-1	(h)	3/1/2000	169.75	14.79	0.23	155.14	---	---	---	---	---	---	---
MW-1		4/21/2000	169.75	18.10	0.33	151.91	61000	330	780	2700	17000	1300	---
MW-1		7/31/2000	169.75	21.60	0 53	148.57	1500000	340	2100	24000	120000	2700	---
MW-1		11/20/2000	169.75	21 69	0.37	148.36	1700000	1800	2300	19000	93000	3900	---
MW-1		2/18/2001	169.75	16.70	0 13	153.15	---	---	---	---	---	---	---
MW-1		2/26/2001	169.75	14 38	0 15	155.49	100000	658	466	4210	15000	1890	---
MW-1		6/7/2001	169.75	20.78	0 00	148.97	70000	705	440	3870	12200	2720	---
MW-1	(j)	9/5/2001	169.75	23.36	0 35	146.67	---	---	---	---	---	---	---
MW-1	(k)	11/30/2001	169.75	20.85	0.41	149.23	---	---	---	---	---	---	---
MW-1		12/6/2001	169.75	18.72	0.27	151.25	39000	3500	237	2150	4500	5400	---
MW-1		2/20/2002	169.75	17.43	0.15	152.44	52000	465	271	1600	11400	106	---
MW-1	(j)	6/20/2002	169.75	21.18	0.34	148.84	---	---	---	---	---	---	---
MW-1	(j)	9/11/2002	169.75	22.86	0.40	147.21	---	---	---	---	---	---	---
MW-1	(j)	11/12/2002	169 75	22.65	0.37	147.40	---	---	---	---	---	---	---
MW-1	(j,n)	1/29/2003	169 75	18.15	0.30	151.84	---	---	---	---	---	---	---
MW-1	(j)	**5/22/2003**	**169.75**	**18.49**	**0.20**	**151.42**	---	---	---	---	---	---	---

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MW-2	7/9/1990	168.14	---	0.10	---	---	---	---	---	---	---		---
MW-2	12/21/1990	168.14	---	0.48	---	---	---	---	---	---	---		---
MW-2	3/7/1991	168.14	19.18	---	---	---	---	---	---	---	---		---
MW-2	6/27/1991	168.14	---	0.19	---	---	---	---	---	---	---		---
MW-2	9/27/1991	168.14	---	0.15	---	---	---	---	---	---	---		---
MW-2	12/18/1991	168.14	---	0.36	---	---	---	---	---	---	---		---
MW-2	4/1/1991	168.14	15.21	0.10	153.01	---	---	---	---	---	---		---
MW-2	7/3/1992	168.14	20.93	0.03	147.23	---	---	---	---	---	---		---
MW-2	10/5/1992	168.14	22.74	0.21	145.56	---	---	---	---	---	---		---
MW-2	1/13/1993	168.14	15.55	0.02	152.61	---	---	---	---	---	---		---
MW-2	4/23/1993	168.14	16.54	0.21	151.76	---	---	---	---	---	---		---
MW-2	7/12/1993	168.14	20.46	0.06	147.73	---	---	---	---	---	---		---
MW-2	10/21/1993	168.14	24.91	0.31	143.46	---	---	---	---	---	---		---
MW-2	1/21/1994	168.14	21.20	---	146.94	---	---	---	---	---	---		---
MW-2	4/20/1994	168.14	22.44	---	145.70	1800	140	370	54	290	24	(i)	1.7
MW-2	8/1/1994	168.14	22.24	0.04	145.93	---	---	---	---	---	---		---
MW-2	12/23/1994	168.14	16.25	0.03	151.91	---	---	---	---	---	---		---
MW-2	1/26/1995	168.14	14.55	0.39	153.88	---	---	---	---	---	---		---
MW-2	6/8/1995	168.14	21.18	0.43	147.28	---	---	---	---	---	---		---
MW-2	8/22/1995	168.14	22.76	0.36	145.65	---	---	---	---	---	---		---
MW-2	10/27/1995	168.14	23.61	0.30	144.76	---	---	---	---	---	---		---
MW-2	1/25/1996	168.14	15.95	0.15	152.30	---	---	---	---	---	---		---
MW-2	4/19/1996	168.14	17.33	0.07	150.86	---	---	---	---	---	---		---
MW-2	7/23/1996	168.14	21.25	0.05	146.93	---	---	---	---	---	---		---
MW-2	11/11/1996	168.14	22.27	0.01	145.88	---	---	---	---	---	---		---
MW-2	1/21/1997	168.14	15.19	0.01	152.96	---	---	---	---	---	---		---
MW-2	4/29/1997	168.14	20.22	0.01	147.93	---	---	---	---	---	---		---
MW-2	4/30/1997	168.14	---	---	---	130000	4600	15000	6000	37000	ND<5000		5.0
MW-2	8/21/1997	168.14	21.74	0.01	146.41	110000	6000	16000	4700	28000	ND<500		4.6
MW-2	11/5/1997	168.14	21.61	0.01	146.54	120000	7800	18000	4900	28100	ND<2500		4.6
MW-2	2/3/1998	168.14	11.51	---	156.63	75000	590	1500	1800	12800	ND<2500		4.5
MW-2	5/28/1998	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	2/2/1999	168.14	15.46	---	152.68	170000	3500	1500	5200	34000	ND<500		---
MW-2	5/10/1999	168.14	16.52	---	151.62	84000	3200	3200	3700	20000	75		---
MW-2	8/24/1999	168.14	20.73	---	147.41	130000	9100	9200	4700	27000	ND<250		---
MW-2	11/3/1999	168.14	20.93	---	147.21	120000	10000	21000	4700	30200	2200		---
MW-2	3/1/2000	168.14	13.37	---	154.77	39000	1400	1500	1700	8100	44		---
MW-2	4/21/2000	168.14	16.59	---	151.55	68000	3300	2500	3100	20000	260		---
MW-2	7/31/2000	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		---

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MW-2		2/18/2001	168.14	15.29	---	152.85	54000	5020	3880	2850	15400	1010	---
MW-2		6/7/2001	168.14	19.43	---	148.71	110000	7240	4380	4160	22100	567	---
MW-2		9/5/2001	168.14	22.44	---	145.70	69000	5750	5790	2770	14200	1510	---
MW-2		11/30/2001	168.14	19.58	---	148.56	120000	7270	6540	4590	23000	794	---
MW-2		2/20/2002	168.14	16.39	---	151.75	56000	2410	2270	2910	14300	160	---
MW-2		6/20/2002	168.14	19.77	---	148.37	86000	7310	6490	3080	14600	659	---
MW-2		9/11/2002	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)	1/29/2003	168.14	16.80	SHEEN	151.34	77000	4700	2600	2800	13000	730	---
MW-2		5/22/2003	168.14	17.15	SHEEN	150.99	52000	6400	2600	1800	7400	1000	---

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MW-3		7/9/1990	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		3/7/1991	167.17	17.40	---	149.77	0.4	69	22	6.1	57	---		---
MW-3		6/27/1991	167.17	---	---	---	380	28	26	13	46	---		---
MW-3		9/27/1991	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		4/1/1991	167.17	13.69	---	153.48	ND	ND	ND	ND	ND	---		---
MW-3		7/3/1992	167.17	19.59	---	147.58	71	9.4	0.9	5.0	13	---		---
MW-3		10/5/1992	167.17	21.22	---	145.95	67	5.1	1.1	6.1	8.1	---		---
QC-1	(c)	10/5/1992	---	---	---	---	ND<50	2.2	ND<0.5	1.5	2.8	---		---
MW-3		1/13/1993	167.17	13.63	---	153.54	830	50	34	42	89	---	(i)	---
MW-3		4/23/1993	167.17	15.02	---	152.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
QC-1	(c)	4/23/1993	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-3		7/12/1993	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		1/21/1994	167.17	19.94	---	147.23	57	3.0	3.4	3.6	9.0	ND<5.0	(i)	---
MW-3		4/20/1994	167.17	20.24	---	146.93	600	26	23	33	88	28.7	(i)	1.8
MW-3		8/1/1994	167.17	20.74	---	146.43	99	6.2	1.1	4.5	5.2	ND<5.0	(i)	1.4
QC-1	(c)	8/1/1994	---	---	---	---	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		1/26/1995	167.17	12.89	---	154.28	190	16	0.5	35	24	---		6.6
MW-3		6/8/1995	167.17	19.95	---	147.22	330	21	4.0	34	32	---		7.0
MW-3		8/22/1995	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		1/25/1996	167.17	14.03	---	153.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	5.1		---
MW-3		4/19/1996	167.17	15.26	---	151.91	460	55	4	33	63	ND<10		9.4
MW-3		7/23/1996	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		1/21/1997	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		4/29/1997	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		8/21/1997	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		11/5/1997	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		2/3/1998	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		5/28/1998	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		2/2/1999	167.17	13.12	---	154.05	<250	<5.0	<5.0	<5.0	<5.0	<5.0		---
MW-3		5/10/1999	167.17	14.21	---	152.96	---	---	---	---	---	---		---
MW-3		8/24/1999	167.17	14.36	---	152.81	---	---	---	---	---	---		---
MW-3		11/3/1999	167.17	19.21	---	147.96	---	---	---	---	---	---		---

Table 1
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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-3		3/1/2000	167.17	15.17	---	152.00	ND<50	ND<0.5	0.57	ND<0.5	0.62	ND<0.5	---
MW-3		4/21/2000	167.17	14.88	---	152.29	---	---	---	---	---	---	---
MW-3		7/31/2000	167.17	15.29	---	151.88	---	---	---	---	---	---	---
MW-3		11/20/2000	167.17	17.31	---	149.86	---	---	---	---	---	---	---
MW-3		2/18/2001	167.17	12.85	---	154.32	160	1.95	1.31	10.2	9.09	1.0	---
MW-3		6/7/2001	167.17	18.00	---	149.17	---	---	---	---	---	---	---
MW-3		9/5/2001	167.17	20.32	---	146.85	---	---	---	---	---	---	---
MW-3		11/30/2001	167.17	16.94	---	150.23	---	---	---	---	---	---	---
MW-3		2/20/2002	167.17	14.84	---	152.33	86	ND<0.5	0.845	6.58	5.75	ND<0.5	---
MW-3		6/20/2002	167.17	18.40	---	148.77	---	---	---	---	---	---	---
MW-3		9/11/2002	167.17	20.06	---	147.11	---	---	---	---	---	---	---
MW-3		11/12/2002	167.17	19.84	---	147.33	---	---	---	---	---	---	---
MW-3	(n)	1/27/2003	167.17	14.83	---	152.34	850	20	9.7	24	45	0.76	---
MW-3		**5/22/2003**	**167.17**	**15.60**	---	**151.57**	---	---	---	---	---	---	---

Table 1
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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-4	7/9 1990	170.36	---	---	---	ND	ND	ND	ND	ND	---		---
MW-4	12/21/1990	170.36	---	---	---	ND	ND	ND	ND	0.8	---		---
MW-4	3/7/1991	170 36	20.72	---	149.64	ND	2.2	3.8	1.5	2.8	---		---
MW-4	6/27/1991	170 36	---	---	---	ND	6 3	1.8	0.4	1.0	---		---
MW-4	9/27/1991	170.36	---	---	---	ND	ND	ND	ND	ND	---		---
MW-4	12/18/1991	170.36	---	---	---	ND	ND	ND	ND	ND	---		---
MW-4	4/1/1991	170 36	17.49	---	152.87	ND	ND	ND	ND	ND	---		---
MW-4	7/3/1992	170.36	22.16	---	148.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-4	10/5/1992	170 36	23.38	---	146.98	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<0.5	---		---
MW-4	1/13/1993	170 36	17.58	---	152 78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-4	4/23/1993	170.36	15.72	---	154.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-4	7/12/1993	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	1/21/1994	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	4/20/1994	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	8/1/1994	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	1/26/1995	170.36	17.42	---	152.94	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<1	---		7.5
MW-4	6/8/1995	170.36	21 55	---	148.81	---	---	---	---	---	---		---
MW-4	8/22/1995	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	1/25/1996	170.36	18.74	---	151.62	ND<50	ND<0.50	ND<0 50	ND<0.50	ND<1.0	58		---
MW-4	4/19/1996	170.36	18.63	---	151.73	---	---	---	---	---	---		---
MW-4	7/23/1996	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	1/21/1997	170.36	16.59	---	153.77	---	---	---	---	---	---		---
MW-4	4/29/1997	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	8/21/1997	170.36	22.91	---	147.45	---	---	---	---	---	---		---
MW-4	11/5/1997	170.36	22.34	---	148 02	60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	76		4 9
MW-4	2/3/1998	170.36	12.26	---	158 10	---	---	---	---	---	---		---
MW-4	5/28/1998	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	2/2/1999	170.36	18.26	---	152.10	70	ND<1.0	ND<1.0	ND<1.0	ND<1.0	130		---
MW-4	5/10/1999	170.36	17.86	---	152.50	---	---	---	---	---	---		---
MW-4	8/24/1999	170.36	17.93	---	152.43	---	---	---	---	---	---		---
MW-4	11/3/1999	170.36	22.78	---	147 58	---	---	---	---	---	---		---
MW-4	3/1/2000	170.36	18.04	---	152 32	ND<50	ND<0.5	0.67	ND<0.5	0.7	110		---
MW-4	4/21/2000	170.36	17.36	---	153 00	---	---	---	---	---	---		---
MW-4	7/31/2000	170.36	17.83	---	152.53	---	---	---	---	---	---		---
MW-4	11/20/2000	170.36	18.91	---	151.45	---	---	---	---	---	---		---

Table 1
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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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-4		2/18/2001	170.36	17.72	---	152.64	88	ND<0.5	ND<0.5	ND<0.5	ND<0.5	97.3	---
MW-4		6/7/2001	170.36	20.23	---	150.13	---	---	---	---	---	---	---
MW-4		9/5/2001	170.36	22.76	---	147.60	---	---	---	---	---	---	---
MW-4		11/30/2001	170.36	21.30	---	149.06	---	---	---	---	---	---	---
MW-4		2/20/2002	170.36	19.32	---	151.04	76	ND<0.5	ND<0.5	ND<0.5	ND<1.0	81	---
MW-4		6/20/2002	170.36	20.71	---	149.65	---	---	---	---	---	---	---
MW-4		9/11/2002	170.36	22.22	---	148.14	---	---	---	---	---	---	---
MW-4		11/12/2002	170.36	22.22	---	148.14	---	---	---	---	---	---	---
MW-4	(n)	1/29/2003	170.36	19.80	---	150.56	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	66	---
MW-4		**5/22/2003**	**170.36**	**19.35**	---	**151.01**	---	---	---	---	---	---	---

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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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-5		7/9/1990	165.14	---	---	---	280	200	210	46	290	---		---
MW-5		12/21/1990	165.14	---	---	---	0.69	300	34	8.4	39	---		---
MW-5		3/7/1991	165.14	16.60	---	148.54	ND	17	0.9	0.7	1.6	---		---
MW-5		6/27/1991	165.14	---	---	---	330	120	10	12	8	---		---
MW-5		9/27/1991	165.14	---	---	---	0.73	230	16	20	22	---		---
MW-5		12/18/1991	165.14	---	---	---	ND	ND	ND	ND	ND	---		---
MW-5		4/1/1991	165.14	11.99	---	153.15	800	250	54	11	60	---		---
MW-5		7/3/1992	165.14	18.65	---	146.49	150	36	ND<0.5	ND<0.5	1.1	---		---
MW-5		10/5/1992	165.14	20.32	---	144.82	270	79	4	1.7	2.9	---		---
MW-5		1/13/1993	165.14	13.03	---	152.11	180	59	6.0	1.8	7.6	---	(i)	---
MW-5		4/23/1993	165.14	13.51	---	151.63	8700	440	96	35	136	---	(i)	---
MW-5		7/12/1993	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		1/21/1994	165.14	18.86	---	146.28	110	36	1.2	ND<0.5	0.7	ND<5.0	(i)	---
MW-5		4/20/1994	165.14	17.30	---	147.84	690	230	4.5	1.6	11	21.2	(i)	1.3
MW-5		8/1/1994	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		1/26/1995	165.14	11.25	---	153.89	160	68	ND<0.5	ND<0.5	22	---		5.9
MW-5		6/8/1995	165.14	16.80	---	148.34	2000	630	58	61	180	---		6.5
QC-1	(c)	6/8/1995	---	---	---	---	1700	560	51	55	170	---		---
MW-5		8/22/1995	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		1/25/1996	165.14	13.30	---	151.84	590	37	0.70	ND<0.50	ND<1.0	ND<5.0		---
QC-1	(c)	1/25/1996	---	---	---	---	540	37	0.66	ND<0.50	ND<1.0	ND<5.0		---
MW-5		4/19/1996	165.14	13.63	---	151.51	1500	470	38	49	210	ND<50		8.1
MW-5		7/23/1996	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		1/21/1997	165.14	11.63	---	153.51	730	300	ND<5.0	7.8	26	ND<50		5.0
MW-5		4/29/1997	165.14	16.74	---	148.40	340	530	ND<5.0	ND<5.0	ND<5.0	ND<50		4.8
MW-5		8/21/1997	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		11/5/1997	165.14	18.84	---	146.30	120	13	ND<1.0	ND<1.0	ND<1.0	ND<10		4.4
MW-5		2/3/1998	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		5/28/1998	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		2/2/1999	165.14	12.56	---	152.58	100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	9.1		---
MW-5		5/10/1999	165.14	13.36	---	151.78	---	---	---	---	---	---		---
MW-5		8/24/1999	165.14	13.50	---	151.64	---	---	---	---	---	---		---
MW-5		11/3/1999	165.14	18.48	---	146.66	---	---	---	---	---	---		---
MW-5		3/1/2000	165.14	9.59	---	155.55	ND<50	ND<0.5	0.58	ND<0.5	0.54	2.9		---
MW-5		4/21/2000	165.14	13.52	---	151.62	---	---	---	---	---	---		---
MW-5		7/31/2000	165.14	14.04	---	151.10	---	---	---	---	---	---		---
MW-5		11/20/2000	165.14	15.89	---	149.25	---	---	---	---	---	---		---

Table 1
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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-5		2/18/2001	165 14	11.88	---	153 26	560	161	2.38	6.11	13	5.67	---
MW-5		6/7/2001	165 14	15.30	---	149 84	---	---	---	---	---	---	---
MW-5		9/5/2001	165.14	19.32	---	145.82	---	---	---	---	---	---	---
MW-5		11/30/2001	165.14	17.44	---	147.70	---	---	---	---	---	---	---
MW-5		2/20/2002	165.14	13.88	---	151.26	4200	940	18.7	98.2	176	55.6	---
MW-5		6/20/2002	165.14	16.20	---	148.94	---	---	---	---	---	---	---
MW-5		9/11/2002	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)	1/29/2003	165.14	16.33	---	148.81	7900	1400	34	220	350	69	---
MW-5		5/22/2003	165.14	14.35	---	150.79	9900	2300	91	400	690	ND<50	---

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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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-6		7/9/1990	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)	3/7/1991	165.40	---	---	---	---	---	---	---	---	---		---
MW-6	(e)	6/27/1991	165.40	---	---	---	---	---	---	---	---	---		---
MW-6	(e)	9/27/1991	165.40	---	---	---	---	---	---	---	---	---		---
MW-6		12/18/1991	165.40	---	---	---	ND	1.3	22	ND	2.7	---		---
MW-6		4/1/1991	165.40	11.79	---	153.61	ND	ND	ND	ND	ND	---		---
MW-6		7/3/1992	165.40	17.77	---	147.63	ND<50	ND<0.5	ND<0.5	ND<0 5	ND<0.5	---		---
MW-6		10/5/1992	165.40	19.46	---	145.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-6		1/13/1993	165.40	11.34	---	154.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-6		4/23/1993	165.40	12 92	---	152.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-6		7/12/1993	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		1/21/1994	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		4/20/1994	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		8/1/1994	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		1/26/1995	165 40	10.46	---	154.94	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<1	---		7.3
MW-6		6/8/1995	165.40	16.84	---	148.56	---	---	---	---	---	---		---
MW-6		8/22/1995	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		1/25/1996	165.40	12.24	---	153.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	9.9		---
MW-6		4/19/1996	165.40	13.90	---	151.50	---	---	---	---	---	---		---
MW-6		7/23/1996	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		1/21/1997	165.40	11.97	---	153.43	---	---	---	---	---	---		---
MW-6		4/29/1997	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		8/21/1997	165.40	18.58	---	146.82	---	---	---	---	---	---		---
MW-6		11/5/1997	165.40	19.17	---	146.23	70	ND<0 5	ND<1.0	ND<1 0	ND<1.0	85		4.3
MW-6		2/3/1998	165.40	9.87	---	155.53	---	---	---	---	---	---		---
MW-6		5/28/1998	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		2/2/1999	165 40	18.29	---	147.11	---	---	---	---	---	---		---
MW-6		5/10/1999	165 40	17.49	---	147.91	---	---	---	---	---	---		---
MW-6		8/24/1999	165.40	17.61	---	147.79	---	---	---	---	---	---		---
MW-6		11/3/1999	165.40	16.26	---	149.14	---	---	---	---	---	---		---
MW-6		3/1/2000	165.40	17.43	---	147.97	---	---	---	---	---	---		---
MW-6		4/21/2000	165.40	13.32	---	152.08	---	---	---	---	---	---		---
MW-6		7/31/2000	165.40	13.46	---	151.94	---	---	---	---	---	---		---
MW-6		11/20/2000	165.40	14 78	---	150.62	---	---	---	---	---	---		---

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-6		2/18/2001	165.40	11.33	---	154.07	---	---	---	---	---	---	---
MW-6		6/7/2001	165.40	16.36	---	149.04	---	---	---	---	---	---	---
MW-6		9/5/2001	165.40	18.61	---	146.79	---	---	---	---	---	---	---
MW-6		11/30/2001	165.40	15.20	---	150.20	---	---	---	---	---	---	---
MW-6		2/20/2002	165.40	12.74	---	152.66	---	---	---	---	---	---	---
MW-6		6/20/2002	165.40	16.68	---	148.72	---	---	---	---	---	---	---
MW-6		9/11/2002	165.40	18.38	---	147.02	---	---	---	---	---	---	---
MW-6		11/12/2002	165.40	18.78	---	146.62	---	---	---	---	---	---	---
MW-6	(n)	1/29/2003	165.40	14.45	---	150.95	---	---	---	---	---	---	---
MW-6		5/22/2003	165.40	14.36	---	151.04	---	---	---	---	---	---	---

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-7		7/9/1990	167.61	---	---	---	ND	ND	ND	ND	ND	---		---
MW-7		12/21/1990	167.61	---	---	---	ND	ND	ND	ND	ND	---		---
MW-7		3/7/1991	167.61	19.04	---	148.57	ND	ND	0.4	0.3	2.4	---		---
MW-7		6/27/1991	167.61	---	---	---	70	17	4	0.8	2.2	---		---
MW-7		9/27/1991	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		4/1/1991	167.61	15.18	---	152.43	ND	ND	ND	ND	ND	---		---
MW-7		7/3/1992	167.61	20.28	---	147.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-7		10/5/1992	167.61	21.56	---	146.05	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	---		---
MW-7		1/13/1993	167.61	15.41	---	152.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-7		4/23/1993	167.61	15.84	---	151.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-7		7/12/1993	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		1/21/1994	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)	1/21/1994	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-7		4/20/1994	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		8/1/1994	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		1/26/1995	167.61	14.69	---	152.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		7.0
MW-7		6/8/1995	167.61	19.87	---	147.74	---	---	---	---	---	---		---
MW-7		8/22/1995	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		1/25/1996	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		4/19/1996	167.61	17.09	---	150.52	---	---	---	---	---	---		---
MW-7		7/23/1996	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		1/21/1997	167.61	15.06	---	152.55	---	---	---	---	---	---		---
MW-7		4/29/1997	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		8/21/1997	167.61	21.59	---	146.02	---	---	---	---	---	---		---
MW-7		11/5/1997	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		2/3/1998	167.61	9.97	---	157.64	---	---	---	---	---	---		---
MW-7		5/28/1998	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		2/2/1999	167.61	12.33	---	149.28	---	---	---	---	---	---		---
MW-7		5/10/1999	167.61	13.52	---	154.09	---	---	---	---	---	---		---
MW-7		8/24/1999	167.61	14.01	---	153.60	---	---	---	---	---	---		---
MW-7		11/3/1999	167.61	19.91	---	147.70	---	---	---	---	---	---		---
MW-7		3/1/2000	167.61	19.89	---	147.72	---	---	---	---	---	---		---
MW-7		4/21/2000	167.61	17.94	---	149.67	---	---	---	---	---	---		---
MW-7		7/31/2000	167.61	17.33	---	150.28	---	---	---	---	---	---		---
MW-7		11/20/2000	167.61	18.41	---	149.20	---	---	---	---	---	---		---

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-7		2/18/2001	167.61	15.13	---	152.48	---	---	---	---	---	---	---
MW-7		6/7/2001	167.61	18.75	---	148.86	---	---	---	---	---	---	---
MW-7		9/5/2001	167.61	20.48	---	147.13	---	---	---	---	---	---	---
MW-7		11/30/2001	167.61	20.11	---	147.50	---	---	---	---	---	---	---
MW-7		2/20/2002	167.61	18.40	---	149.21	---	---	---	---	---	---	---
MW-7		6/20/2002	167.61	18.62	---	148.99	---	---	---	---	---	---	---
MW-7		9/11/2002	167.61	20.05	---	147.56	---	---	---	---	---	---	---
MW-7	(n)	11/12/2002	167.61	21.13	---	146.48	---	---	---	---	---	---	---
MW-7		1/29/2003	167.61	19.10	---	148.51	---	---	---	---	---	---	---
MW-7		5/22/2003	167.61	18.83	---	148.78	---	---	---	---	---	---	---

Table 1
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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-8		3/7/1991	165.74	16.72	---	149.02	2.7	780	450	64	310	---		---
MW-8		6/27/1991	165.74	---	---	---	12000	3400	1100	240	750	---		---
MW-8		9/27/1991	165.74	---	---	---	41	5700	5200	1100	4300	---		---
MW-8		12/18/1991	165.74	---	---	---	3.2	990	150	120	250	---		---
MW-8		4/1/1991	165.74	12.54	---	153.20	15000	3600	2600	410	1900	---		---
MW-8		7/3/1992	165.74	18.78	---	146.96	72000	19000	32000	3000	15000	---		---
MW-8		10/5/1992	165.74	20.48	0.01	145.27	---	---	---	---	---	---		---
MW-8		1/13/1993	165.74	12.87	0.01	152.88	---	---	---	---	---	---		---
MW-8		4/23/1993	165.74	13.90	SHEEN	151.84	---	---	---	---	---	---		---
MW-8		7/12/1993	165.74	18.30	SHEEN	147.44	---	---	---	---	---	---		---
MW-8		10/21/1993	165.74	21.91	0.95	144.54	---	---	---	---	---	---		---
MW-8		1/21/1994	165.74	19.12	0.03	146.64	---	---	---	---	---	---		---
MW-8		4/20/1994	165.74	19.28	0.03	146.48	26000	1700	4100	960	4000	632	(i)	1.1
MW-8		8/1/1994	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		12/23/1994	165.74	13.81	0.03	151.95	---	---	---	---	---	---		---
MW-8		1/26/1995	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		6/8/1995	165.74	17.82	0.29	148.14	---	---	---	---	---	---		---
MW-8		8/22/1995	165.74	19.41	0.20	146.48	---	---	---	---	---	---		---
MW-8		10/27/1995	165.74	20.47	0.14	145.38	---	---	---	---	---	---		---
MW-8		1/25/1996	165.74	13.35	0.22	152.56	---	---	---	---	---	---		---
MW-8		4/19/1996	165.74	14.40	0.20	151.49	---	---	---	---	---	---		---
MW-8		7/23/1996	165.74	18.35	0.14	147.50	---	---	---	---	---	---		---
MW-8		11/11/1996	165.74	19.41	0.02	146.35	---	---	---	---	---	---		---
MW-8		1/21/1997	165.74	12.29	0.01	153.46	---	---	---	---	---	---		---
MW-8	(e)	4/29/1997	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		8/21/1997	165.74	19.61	---	146.13	240000	1100	9300	4100	31100	ND<1000		5.2
MW-8		11/5/1997	165.74	19.45	0.10	146.37	57000	790	2700	2300	15200	ND<1000		5.0
MW-8		2/3/1998	165.74	9.33	0.03	156.43	---	---	---	---	---	---		---
MW-8		2/4/1998	---	---	---	---	94000	570	1500	2100	15200	ND<2500		5.5
MW-8	(e)	5/28/1998	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		12/30/1998	165.74	15.48	0.05	150.30	120000	460	2300	2200	15000	150		---
MW-8		2/2/1999	165.74	18.29	---	147.45	82000	450	2200	3700	26000	ND<500		---
MW-8		5/10/1999	165.74	15.62	---	150.12	28000	740	1800	1100	5800	ND<25		---
MW-8		8/24/1999	165.74	18.41	---	147.33	75000	530	1400	3300	21000	150		---
MW-8		11/3/1999	165.74	18.71	---	147.03	70000	600	1300	3600	20500	750		---
MW-8		3/1/2000	165.74	19.37	---	146.37	27000	1600	1200	2600	6600	120		---
MW-8	(e)	4/21/2000	165.74	---	---	---	---	---	---	---	---	---		---
MW-8	(e)	7/31/2000	165.74	---	---	---	---	---	---	---	---	---		---
MW-8		11/20/2000	165.74	17.42	---	148.32	1300000	1400	1700	20000	16000	5700		---

Table 1
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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-8	(e)	2/18/2001	165 74	---	---	---	---	---	---	---	---	---	---
MW-8	(e)	6/7/2001	165.74	---	---	---	---	---	---	---	---	---	---
MW-8	(j)	9/5/2001	165.74	21 45	0.04	144.32	---	---	---	---	---	---	---
MW-8	(h)	11/30/2001	165.74	18 31	---	147.43	---	---	---	---	---	---	---
MW-8	(e)	12/6/2001	165.74	---	---	---	---	---	---	---	---	---	---
MW-8		2/20/2002	165.74	14 02	---	151.72	20000	163	114	403	3810	80.4	---
MW-8		6/20/2002	165.74	17 56	---	148.18	28000	466	141	962	5850	2520	---
MW-8		9/11/2002	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)	1/29/2003	165.74	15.02	---	150.72	200000	810	ND<500	2000	11000	ND<500	---
MW-8		**5/22/2003**	**165.74**	**15.07**	**SHEEN**	**150.67**	**43000**	**860**	**300**	**2100**	**9600**	**46**	---

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-9		3/7/1991	166.20	16.79	---	149.41	7.1	220	4	2.4	2400	---		---
MW-9		6/27/1991	166.20	---	---	---	3600	520	400	85	310	---		---
MW-9		9/27/1991	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		4/1/1991	166.20	12.89	---	153.31	12000	2000	2600	360	1600	---		---
MW-9		7/3/1992	166.20	18.89	---	147.31	5700	17000	840	230	800	---		---
MW-9		10/5/1992	166.20	20.52	---	145.68	1400	440	17	14	100	---		---
MW-9		1/13/1993	166.20	12.92	---	153.28	11000	1200	1700	340	1400	---	(i)	---
QC-1	(c)	1/13/1993	---	---	---		11000	1200	1600	330	1300	---	(i)	---
MW-9		4/23/1993	166.20	14.08	---	152.12	24000	2800	4500	730	3400	---	(i)	---
MW-9		7/12/1993	166.20	18.44	---	147.76	13000	1400	1100	360	1400	20.8	(i)	---
QC-1	(c)	7/12/1993	---	---	---	---	10000	1200	900	310	1200	---		---
MW-9		10/21/1993	166.20	21.81	0.89	145.06	---	---	---	---	---	---		---
MW-9		1/21/1994	166.20	19.28	---	146.92	---	---	---	---	---	---		---
MW-9		4/20/1994	166.20	19.72	---	146.48	43000	2800	6800	1300	7900	768	(i)	1.7
QC-1	(c)	4/20/1994	---	---	---	---	45000	2700	6800	1200	8200	740	(d)	---
MW-9		8/1/1994	166.20	20.18	0.05	146.06	---	---	---	---	---	---		---
MW-9		12/23/1994	166.20	14.22	0.02	152.00	---	---	---	---	---	---		---
MW-9		1/26/1995	166.20	11.85	0.13	154.45	---	---	---	---	---	---		---
MW-9		6/8/1995	166.20	18.33	0.80	148.47	---	---	---	---	---	---		---
MW-9		8/22/1995	166.20	19.95	0.01	146.26	---	---	---	---	---	---		---
MW-9		10/27/1995	166.20	20.88	0.01	145.33	---	---	---	---	---	---		---
MW-9		1/25/1996	166.20	13.84	0.07	152.41	---	---	---	---	---	---		---
MW-9	(e)	4/19/1996	166.20	---	---	---	---	---	---	---	---	---		---
MW-9		7/23/1996	166.20	18.84	0.03	147.38	---	---	---	---	---	---		---
MW-9		11/11/1996	166.20	19.91	0.01	146.30	---	---	---	---	---	---		---
MW-9		1/21/1997	166.20	12.93	0.01	153.28	---	---	---	---	---	---		---
MW-9		4/29/1997	166.20	18.03	SHEEN	148.17	---	---	---	---	---	---		---
MW-9		4/30/1997	166.20	---	---	---	78000	1900	3600	3100	20600	ND<5000		5.5
MW-9		8/21/1997	166.20	19.56	0.01	146.65	110000	2100	3400	2300	18800	ND<500		5.1
MW-9		11/5/1997	166.20	20.59	0.01	145.62	59000	1400	1700	2200	17000	ND<500		4.5
MW-9		2/3/1998	166.20	10.56	---	155.64	55000	490	1200	1400	10200	ND<1000		4.9
MW-9		5/28/1998	166.20	14.21	0.01	152.00	41000	250	1200	1500	11400	ND<250		3.8
QC-1	(c)	5/28/1998	---	---	---	---	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		2/2/1999	166.20	12.33	---	153.87	75000	530	960	1900	17000	ND<50		---
MW-9		5/10/1999	166.20	15.67	---	150.53	22000	600	1500	1100	4400	72		---
MW-9		8/24/1999	166.20	19.10	---	147.10	85000	850	1300	1700	20000	ND<250		---
MW-9		11/3/1999	166.20	19.58	---	146.62	72000	700	780	1900	19000	ND<5.0		---

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-9		3/1/2000	166.20	13.19	—	153.01	34000	78	490	1100	8200	63	—
MW-9		4/21/2000	166.20	14.29	—	151.91	55000	260	920	1500	16000	ND<5.0	—
MW-9		7/31/2000	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		2/18/2001	166.20	13.14	—	153.06	32000	290	417	1180	10400	121	—
MW-9		6/7/2001	166.20	17.41	—	148.79	96000	421	704	2330	17300	223	—
MW-9		9/5/2001	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		2/20/2002	166.20	13.87	—	152.33	14000	64	122	897	2650	293	—
MW-9		6/20/2002	166.20	18.22	—	147.98	29000	307	168	1100	5670	208	—
MW-9		9/11/2002	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)	1/29/2003	166.20	14.30	0.10	151.90	—	—	—	—	—	—	—
MW-9		**5/22/2003**	**166.20**	**15.16**	**SHEEN**	**151.04**	**23000**	**260**	**ND<50**	**1000**	**2900**	**ND<50**	—

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-10	3/7/1991	167.01	18.09	---	148.92	1.6	120	190	32	230	---		---
MW-10	6/27/1991	167.01	---	---	---	12000	7300	500	150	300	---		---
MW-10	9/27/1991	167.01	---	---	---	57	12000	7200	1400	4600	---		---
MW-10	12/18/1991	167.01	---	---	---	5.3	2500	120	36	79	---		---
MW-10	4/1/1991	167.01	13.92	---	153.09	ND	ND	ND	ND	ND	---		---
MW-10	7/3/1992	167.01	19.92	---	147.09	8600	5100	1300	180	690	---		---
MW-10	10/5/1992	167.01	21.92	0.19	145.23	---	---	---	---	---	---		---
MW-10	1/13/1993	167.01	14.43	0.03	152.60	---	---	---	---	---	---		---
MW-10	4/23/1993	167.01	15.26	0.06	151.80	---	---	---	---	---	---		---
MW-10	7/12/1993	167.01	19.78	0.45	147.57	---	---	---	---	---	---		---
MW-10	10/21/1993	167.01	22.90	0.69	144.63	---	---	---	---	---	---		---
MW-10	1/21/1994	167.01	20.25	0.06	146.81	---	---	---	---	---	---		---
MW-10	4/20/1994	167.01	20.74	---	146.27	100000	12000	24000	2400	14000	1577	(d)(i)	1.0
MW-10	8/1/1994	167.01	22.00	0.28	145.22	---	---	---	---	---	---		---
MW-10	12/23/1994	167.01	16.08	0.25	151.12	---	---	---	---	---	---		---
MW-10	1/26/1995	167.01	13.68	0.80	153.93	---	---	---	---	---	---		---
MW-10	6/8/1995	167.01	19.08	0.75	148.49	---	---	---	---	---	---		---
MW-10	8/22/1995	167.01	20.73	0.70	146.81	---	---	---	---	---	---		---
MW-10	10/27/1995	167.01	21.69	0.63	145.79	---	---	---	---	---	---		---
MW-10	1/25/1996	167.01	15.05	0.81	152.57	---	---	---	---	---	---		---
MW-10	4/19/1996	167.01	16.26	0.58	151.19	---	---	---	---	---	---		---
MW-10	7/23/1996	167.01	20.18	0.62	147.30	---	---	---	---	---	---		---
MW-10	11/11/1996	167.01	21.20	0.20	145.96	---	---	---	---	---	---		---
MW-10	1/21/1997	167.01	13.66	0.14	153.46	---	---	---	---	---	---		---
MW-10	4/29/1997	167.01	18.71	0.21	148.46	---	---	---	---	---	---		---
MW-10	4/30/1997	167.01	---	---	---	170000	9700	38000	4700	30500	ND<5000		5.6
MW-10	8/21/1997	167.01	20.19	0.14	146.93	170000	9500	35000	4300	27100	ND<5000		5.3
MW-10	11/5/1997	167.01	20.52	0.02	146.51	80000	3800	12000	2700	15700	ND<500		4.4
MW-10	2/3/1998	167.01	10.62	0.01	156.40	---	---	---	---	---	---		---
MW-10	2/4/1998	---	---	---	---	72000	500	1300	1700	12000	ND<1000		5.1
MW-10	5/28/1998	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	2/2/1999	167.01	14.58	---	152.43	74000	1000	2800	1000	26000	860		---
MW-10	5/10/1999	167.01	15.72	---	151.29	81000	2800	2800	3000	17000	220		---
MW-10	8/24/1999	167.01	19.85	---	147.16	54000	3500	3800	1500	9100	ND<250		---
MW-10	11/3/1999	167.01	20.00	---	147.01	30000	3000	3500	1200	5000	31		---
MW-10	3/1/2000	167.01	14.62	---	152.39	62000	320	1200	1100	26000	4400		---
MW-10	4/21/2000	167.01	15.46	---	151.55	88000	2700	7400	3700	35000	2400		---
MW-10 (e)	7/31/2000	167.01	---	---	---	---	---	---	---	---	---		---
MW-10	11/20/2000	167.01	18.74	---	148.27	78000	3800	5500	2800	13000	450		---

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-10		2/18/2001	167.01	14.10	---	152.91	39000	1050	1160	1550	14700	4180	---
MW-10		6/7/2001	167.01	18.78	---	148.23	76000	2460	2840	3330	20700	635	---
MW-10		9/5/2001	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	---
MW-10		2/20/2002	167.01	14.39	---	152.62	49000	2170	3070	1960	12300	1090	---
MW-10		6/20/2002	167.01	18.80	---	148.21	44000	2040	3050	1690	8430	224	---
MW-10		9/11/2002	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)	1/29/2003	167.01	16.33	0.03	150.68	---	---	---	---	---	---	---
MW-10		**5/22/2003**	**167.01**	**16.32**	**SHEEN**	**150.69**	**13000**	**2100**	**850**	**630**	**1600**	**300**	---

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
RW-1		7/9/1990	168.01	---	1.21	---	---	---	---	---	---	---		---
RW-1		12/21/1990	168.01	---	0.01	---	---	---	---	---	---	---		---
RW-1		3/7/1991	168.01	17.62	SHEEN	150.39	---	---	---	---	---	---		---
RW-1		6/27/1991	168.01	---	0.04	---	---	---	---	---	---	---		---
RW-1		9/27/1991	168.01	---	0.02	---	---	---	---	---	---	---		---
RW-1		12/18/1991	168 01	---	0.02	---	---	---	---	---	---	---		---
RW-1		4/1/1991	168 01	14.40	0.11	153.69	---	---	---	---	---	---		---
RW-1		7/3/1992	168 01	20.66	SHEEN	147.35	---	---	---	---	---	---		---
RW-1		10/5/1992	168.01	23.34	0.08	144.73	---	---	---	---	---	---		---
RW-1		1/13/1993	168.01	16.59	0.05	151.46	---	---	---	---	---	---		---
RW-1		4/23/1993	168.01	16.17	0.18	151.98	---	---	---	---	---	---		---
RW-1		7/12/1993	168.01	20.18	0.06	147.88	---	---	---	---	---	---		---
RW-1		10/21/1993	168.01	25.70	0.56	142.73	---	---	---	---	---	---		---
RW-1		1/21/1994	168 01	21.24	0.40	147.07	---	---	---	---	---	---		---
RW-1		4/20/1994	168 01	32.20	---	135.81	---	---	---	---	---	---		---
RW-1		8/1/1994	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		1/26/1995	168 01	13.78	---	154.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---
QC-1	(c)	1/26/1995	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---
RW-1		6/8/1995	168.01	20.05	---	147.96	1300	130	ND<1.0	ND<1.0	36	---		---
RW-1		8/22/1995	168.01	21.74	---	146.27	3300	230	13	4.9	280	ND<25	(d)	6.6
QC-1	(c)	8/22/1995	---	---	---	---	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		1/25/1996	168.01	15.41	---	152.60	15000	3400	930	330	2500	5300		---
RW-1		4/19/1996	168.01	16.83	---	151.18	35000	5500	3300	1700	9400	14000		7.6
QC-1	(c)	4/19/1996	---	---	---	---	33000	5600	3200	1700	8800	15000		---
RW-1		7/23/1996	168.01	20.76	---	147.25	46000	3600	2300	900	5100	36000		7 4
QC-1	(c)	7/23/1996	---	---	---	---	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		1/21/1997	168.01	14.20	---	153.81	260	40	16	2.7	34	1500		6.1
QC-1	(c)	1/21/1997	---	---	---	---	270	42	17	2.7	36	1500		---
RW-1		4/29/1997	168.01	19.15	---	148.86	32000	3100	590	1300	6000	46000		5.3
RW-1		8/21/1997	168.01	20.67	---	147.34	7600	730	58	370	1780	9500		4.7
RW-1		11/5/1997	168.01	21.01	---	147.00	39000	2300	86	1300	3840	56000		4.5
RW-1		2/3/1998	168.01	10.68	---	157.33	3400	31	11	29	161	3200		5.1
RW-1		5/28/1998	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	---	---	---	---	---	---		---

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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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-10		2/18/2001	167.01	14.10	---	152.91	39000	1050	1160	1550	14700	4180		---
MW-10		6/7/2001	167.01	18.78	---	148.23	76000	2460	2840	3330	20700	635		---
MW-10		9/5/2001	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		---
MW-10		2/20/2002	167 01	14.39	---	152.62	49000	2170	3070	1960	12300	1090		---
MW-10		6/20/2002	167 01	18.80	---	148.21	44000	2040	3050	1690	8430	224		---
MW-10		9/11/2002	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)	1/29/2003	167.01	16.33	0.03	150.68	---	---	---	---	---	---		---
MW-10		5/22/2003	167.01	16.32	SHEEN	150.69	13000	2100	850	630	1600	300		---
RW-1		7/9/1990	168.01	---	1.21	---	---	---	---	---	---	---		---
RW-1		12/21/1990	168.01	---	0.01	---	---	---	---	---	---	---		---
RW-1		3/7/1991	168.01	17.62	SHEEN	150.39	---	---	---	---	---	---		---
RW-1		6/27/1991	168.01	---	0.04	---	---	---	---	---	---	---		---
RW-1		9/27/1991	168 01	---	0 02	---	---	---	---	---	---	---		---
RW-1		12/18/1991	168 01	---	0 02	---	---	---	---	---	---	---		---
RW-1		4/1/1991	168 01	14.40	0 11	153.69	---	---	---	---	---	---		---
RW-1		7/3/1992	168.01	20.66	SHEEN	147.35	---	---	---	---	---	---		---
RW-1		10/5/1992	168.01	23.34	0 08	144.73	---	---	---	---	---	---		---
RW-1		1/13/1993	168.01	16.59	0.05	151.46	---	---	---	---	---	---		---
RW-1		4/23/1993	168.01	16.17	0 18	151.98	---	---	---	---	---	---		---
RW-1		7/12/1993	168.01	20.18	0.06	147.88	---	---	---	---	---	---		---
RW-1		10/21/1993	168.01	25.70	0.56	142.73	---	---	---	---	---	---		---
RW-1		1/21/1994	168.01	21.24	0.40	147.07	---	---	---	---	---	---		---
RW-1		4/20/1994	168.01	32.20	---	135.81	---	---	---	---	---	---		---
RW-1		8/1/1994	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		1/26/1995	168.01	13.78	---	154.23	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<1	---		---
QC-1	(c)	1/26/1995	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---
RW-1		6/8/1995	168.01	20.05	---	147.96	1300	130	ND<1.0	ND<1.0	36	---		---
RW-1		8/22/1995	168.01	21.74	---	146.27	3300	230	13	4.9	280	ND<25	(d)	6.6
QC-1	(c)	8/22/1995	---	---	---	---	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		1/25/1996	168.01	15.41	---	152.60	15000	3400	930	330	2500	5300		---
RW-1		4/19/1996	168.01	16.83	---	151 18	35000	5500	3300	1700	9400	14000		7.6
QC-1	(c)	4/19/1996	---	---	---	---	33000	5600	3200	1700	8800	15000		---
RW-1		7/23/1996	168.01	20.76	---	147.25	46000	3600	2300	900	5100	36000		7.4
QC-1	(c)	7/23/1996	---	---	---	---	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		---

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)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
RW-1		1/21/1997	168.01	14 20		---	153.81	260	40	16	2.7	34	1500		6.1
QC-1	(c)	1/21/1997	---	---		---	---	270	42	17	2.7	36	1500		---
RW-1		4/29/1997	168.01	19.15		---	148.86	32000	3100	590	1300	6000	46000		5.3
RW-1		8/21/1997	168.01	20.67		---	147.34	7600	730	58	370	1780	9500		4.7
RW-1		11/5/1997	168 01	21.01		---	147.00	39000	2300	86	1300	3840	56000		4.5
RW-1		2/3/1998	168.01	10.68		---	157.33	3400	31	11	29	161	3200		5.1
RW-1		5/28/1998	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		2/2/1999	168.01	14 58		---	153.43	82000	2300	120	2000	3200	51000/78000	(g)	---
RW-1		5/10/1999	168.01	16 00		---	152.01	15000	620	88	340	660	61000		---
RW-1		8/24/1999	168.01	20 00		---	148.01	52000	1400	170	2200	2900	37000		---
RW-1		11/3/1999	168.01	20 39		---	147.62	17000	2500	86	1500	970	54000		---
RW-1		3/1/2000	168 01	12.97		---	155.04	17000	580	78	790	1100	13000		---
RW-1		4/21/2000	168 01	16 02		---	151.99	31000	2100	100	1400	1100	39000		---
RW-1		7/31/2000	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		2/18/2001	168.01	15.35		---	152.66	14000	589	89	600	712	13000		---
RW-1		6/7/2001	168.01	19.09		---	148.92	28000	1140	68 2	504	530	19100		---
RW-1	(j)	9/5/2001	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		2/20/2002	168.01	15.99		---	152.02	13000	469	29	434	655	7240		---
RW-1	(j)	6/20/2002	168.01	19.31	(l)	---	---	---	---	---	---	---	---		---
RW-1	(j)	9/11/2002	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)	1/29/2003	168.01	16.31		0.04	151.73	---	---	---	---	---	---		---
RW-1	**(j)**	**5/22/2003**	**168.01**	**16.68**		**SHEEN**	**151.33**	---	---	---	---	---	---		---
QC-2	(f)	10/5/1992	---	---		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	1/13/1993	---	---		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
QC-2	(f)	4/23/1993	---	---		---	---	ND<50	ND<0 5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
QC-2	(f)	7/12/1993	---	---		---	---	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)	1/21/1994	---	---		---	---	ND<50	ND<0.5	2.1	ND<0.5	2.1	---		---
QC-2	(f)	4/20/1994	---	---		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	4/20/1994	---	---		---	---	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)	1/26/1995	---	---		---	---	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<1	---		---
QC-2	(f)	6/8/1995	---	---		---	---	ND<50	ND<0 50	ND<0.50	ND<0.50	ND<1.0	---		---
QC-2	(f)	8/22/1995	---	---		---	---	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)	1/25/1996	---	---		---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---
QC-2	(f)	4/19/1996	---	---		---	---	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

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 above reported detection limit

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)

Source The data within this table collected prior to June, 2002 was provided to URS by Group Environmental Management 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-Dichloro-ethane (µg/L)	Ethylene Dibromide (µg/L)
MW-1	01/29/03	NS	NS	NS	NS	NS	NS	NS	NS
	05/22/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
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**
MW-3	01/29/03	ND<40	ND<20	0 76	ND<50	ND<50	ND<50	ND<50	ND<50
	05/22/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
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
	05/22/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
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**
MW-7	01/29/03	NS	NS	NS	NS	NS	NS	NS	NS
	05/22/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
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**
MW-9	01/29/03	NS	NS	NS	NS	NS	NS	NS	NS
	05/22/03	**ND<10000**	**ND<2000**	**ND<50**	**ND<50**	**ND<50**	**ND<50**	**NA**	**NA**
MW-10	01/29/03	NS	NS	NS	NS	NS	NS	NS	NS
	05/22/03	**ND<10000**	**ND<2000**	**300**	**ND<50**	**ND<50**	**ND<50**	**NA**	**NA**
RW-1	01/29/03	NS	NS	NS	NS	NS	NS	NS	NS
	05/22/03	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Note - All fuel oxygenate compounds analyzed using EPA Method 8260B
TBA - tert-Butyl alcohol
MTBE - Methyl tert-butyl ether
DIPE - Di-isopropyl ether
ETBE - Ethyl tert butyl ether
TAME - tert-Amyl methyl ether
µg/L - micrograms per liter
ND - Less than laboratory reporting limit
NA - Data not available, not analyzed, or not applicable
NS - Not Sampled

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	7/9/1990	0 22	---	0.00
MW-1	12/21/1990	0.58	---	0 00
MW-1	3/7/1991	0 00	---	0.00
MW-1	6/27/1991	0.18	---	0 00
MW-1	9/27/1991	0.27	---	0 00
MW-1	12/18/1991	0 28	---	0 00
MW-1	4/1/1991	0 15	---	0.00
MW-1	7/3/1992	0 27	---	0.00
MW-1	10/5/1992	0.24	---	0 00
MW-1	1/13/1993	0.24	---	0 00
MW-1	4/23/1993	0.42	---	0.00
MW-1	7/12/1993	0 49	---	0.00
MW-1	10/21/1993	1 09	---	0.00
MW-1	1/21/1994	0.76	---	0 00
MW-1	4/20/1994	1.80	---	0 00
MW-1	8/1/1994	0.35	---	0.00
MW-1	12/23/1995	0.29	---	0.00
MW-1	*1/26/1999*	*1.10*	---	*0 00*
MW-1	6/8/1995	1.20	---	0 00
MW-1	8/22/1995	0 85	---	0.00
MW-1	10/27/1995	0 69	---	0.00
MW-1	1/25/1996	1.40	---	0 00
MW-1	4/19/1996	1 22	---	0.00
MW-1	7/23/1996	0 89	---	0.00
MW-1	11/11/1996	0 98	---	0.00
MW-1	1/21/1997	0.90	---	0.00
MW-1	4/29/1997	0.85	---	0 00
MW-1	4/30/1997	---	---	0.00
MW-1	8/21/1997	0.87	---	0.00
MW-1	11/5/1997	0 54	---	0.00
MW-1	2/3/1998	0.32	---	0.00
MW-1	2/4/1998	---	---	0 00
MW-1	5/28/1998	0 17	---	0.00
MW-1	12/30/1998	0 08	0.02	0.02
MW-1	2/2/1999	0.03	0 01	0 03
MW-1	5/10/1999	0 03	0.01	0.04
MW-1	8/24/1999	0.06	0.01	0.05
MW-1	11/3/1999	0.36	0.05	0.10
MW-1	3/1/2000	0.23	*	0 10
MW-1	4/21/2000	0 33	0.07	0.17
MW-1	7/31/2000	0.53	0.13	0.30
MW-1	11/20/2000	0.37	0.50	0 80
MW-1	2/18/2001	0 13	0.05	0 85
MW-1	2/26/2001	0 15	0.15	1 00
MW-1	6/7/2001	0 00	---	1 00
MW-1	9/5/2001	0 35	---	1.00
MW-1	11/30/2001	0 41	0.26	1 26

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

WELL ID	DATE OF MONITORING	PRODUCT THICKNESS (Feet)	PRODUCT REMOVED (Gallons)	PRODUCT REMOVED CUMULATIVE (Gallons)
MW-1	12/6/2001	0.27	0.04	1.30
MW-1	2/20/2002	0.15	0.02	1.32
MW-1	6/20/2002	0.34	0.07	1.39
MW-1	9/11/2002	0.40	0.06	1 45
MW-1	11/12/2002	0.37	0.06	1 51
MW-1	1/29/2003	0 30	0.32	1.83
MW-1	**5/22/2003**	**0.20**	**0.14**	**1.97**
MW-8	9/5/2001	0.04	---	0 00
MW-9	1/29/2003	0.10	0.19	0 19
MW-10	9/5/2001	0.01	---	0.00
MW-10	11/12/2002	0.07	0.01	0.01
MW-10	1/29/2003	0.03	0.03	0.04
RW-1	9/5/2001	0 02	---	0.00
RW-1	6/20/2002	**	---	0.00
RW-1	9/11/2002	0.03	0 04	0 04
RW-1	11/12/2002	0.02	0.03	0.07
RW-1	1/29/2003	0.04	0.07	0.14

* 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.

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

EXPLANATION

- Existing monitoring well
- Proposed monitoring well
- Groundwater recovery well
- 0.014 — Groundwater flow direction and gradient (ft/ft)
- 149.00 — Groundwater elevation contour (Feet above MSL)
- Well — Well designation
- ELEV — Groundwater elevation (ft above MSL)
- TPH-g / Benzene / MTBE — TPH-g, Benzene and MTBE concentration in micrograms per liter (µg/L)
- ND< — Not detected at or above laboratory reporting limits
- NS — Not sampled

0 15 30 60
Scale (ft)

N

planter
dispenser island
Service Station Building
USTs
dispenser islands
planter
planter
planter
residential
residential
service station
SUTER STREET
35TH AVENUE

MW-6
151.04
NS
NS
NS

MW-3
151.57
NS
NS
NS

MW-4
151.01
NS
NS
NS

MW-1
151.42
NS
NS
NS

MW-9
151.04
23,000
260
ND<50

RW-1
151.33
NS
NS
NS

MW-2
150.99
52,000
6,400
1,000

MW-11

MW-8
150.67
43,000
860
46

MW-10
150.69
13,000
2,100
300

MW-5
150.79
9,900
2,300
ND<50

MW-12

MW-7
146.78
NS
NS
NS

151.00
151.50
150.50
150.00
149.50
149.00
0.014
0.006
0.016

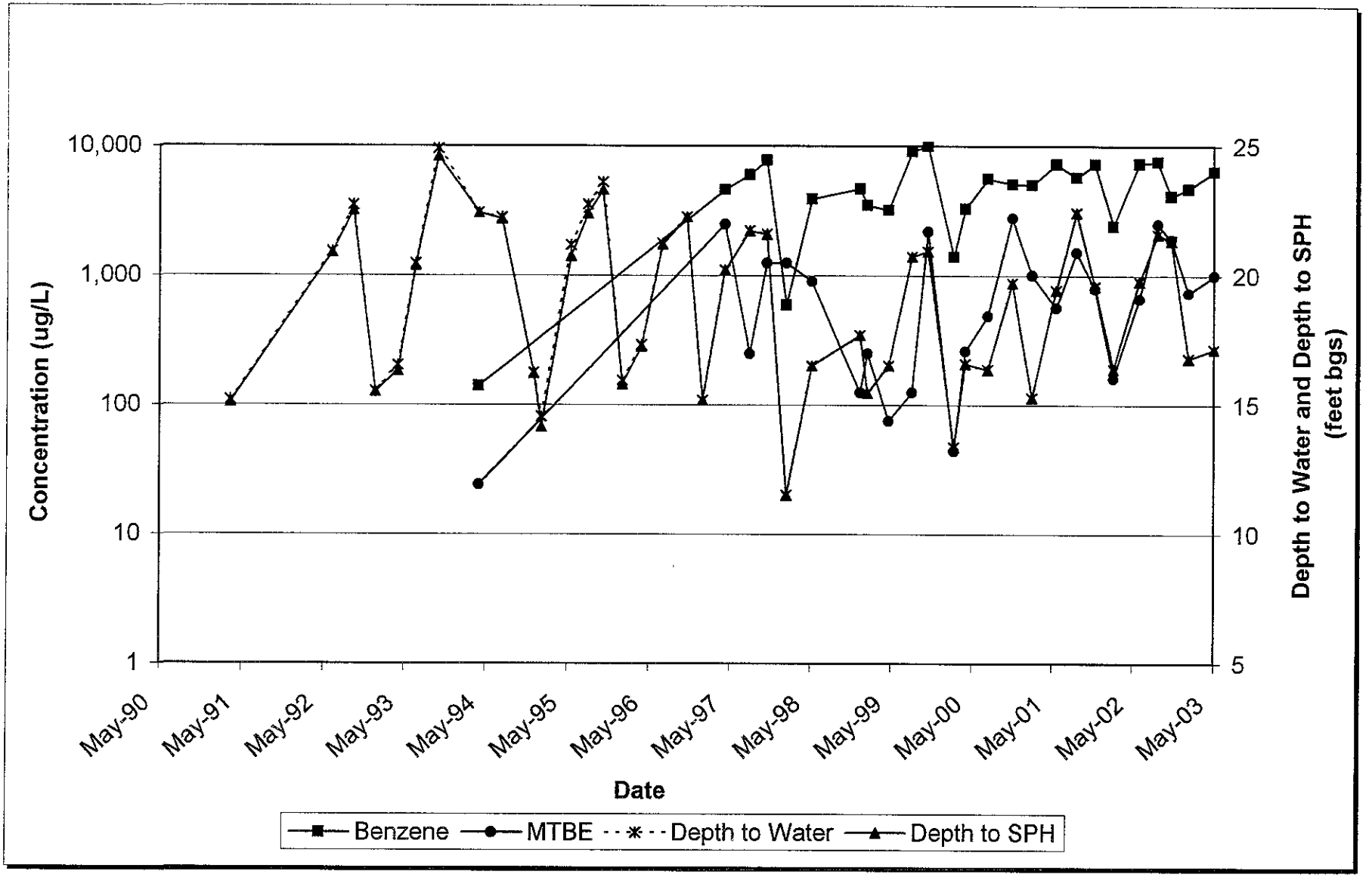
URS	Project No. 38486248 Former BP Service Station #11132 3201 35th Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Second Quarter 2003 (May 22, 2003)	FIGURE 1

X:\x_env_waste\BP GEM\Sites_Niles Sites\11132\Reports\Monitoring\Qtr. 2, 2003\GWEC-AS_5-22.dwg

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS

Concentration and Water Elevation Trends
(MW-2)



URS Corporation

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

Graph 1

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 # 030522-BA3 Date 5/22/03 Client BP 11132

Site 3201 35th Ave, Oakland

	Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	ALL ✓ Depth to well bottom (ft.)	Survey Point: TOB or TOC	
SPH	MW-1	2		18.29	.20	520	18.49	—	TOC	
	MW-2	2	SHEEN				17.15	31.58		
SO	MW-3	2					15.60	34.37		
SO	MW-4	2					19.35	39.94		
	MW-5	2					14.35	31.72		
SO	MW-6	2					14.36	34.51		
SO	MW-7	2	Pressure				18.83	34.42		
	MW-8	2	SHEEN				15.07	39.24		
SPH	MW-9	2	HEAVY SHEEN				15.16 ~~16.32~~	27.53		
SPH	MW-10	2	HEAVY SHEEN				~~16.32~~ 15.16	34.26		
SPH	RW-1	6	HEAVY SHEEN No SPH	Detected	(No detectable Level)		16.68	—		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030522-BA3	Station # 11132
Sampler: Brian Alcorn	Date: 5/22/03
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: —	Depth to Water: 18.49
Depth to Free Product: 18.29	Thickness of Free Product (feet): .20
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~~ / Middleburg / 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	SPH	=	_____ Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	Bailed 520 ml SPH w/ 2 gallons water				

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 #: 030522-BA3	Station # 11132
Sampler: Brian Alcorn	Date: 5/22/03
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 31.58	Depth to Water: 17.15
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 / (Middleburg) / 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.

2.5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 7.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1705	70.7	7.0	1,813	2.5	cloudy gray, strong odor, sheen
1706	69.3	7.0	1,819	5.0	"
1708	69.0	7.0	1,861	7.5	" Heavier Sheen
Note:	Sampled from	bottom of b	ailer due to s	heen.	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Time: 1710 Sampling Date: 5/22/03

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

Analyzed for: (TPH-G BTEX) MTBE TPH-D Other: OXYs + Ethanol All by 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 #: 030522-BA3	Station # 11132
Sampler: Brian Alcorn	Date: 5/22/03
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 31.72	Depth to Water: 14.35
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 / (Middleburg) / 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.

3.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1515	69.5	7.1	1,646	3.0	cloudy gray, odor
1518	69.0	7.1	1,664	6.0	"
1521	68.4	7.1	1,665	9.0	"

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

Sampling Time: 1525 Sampling Date: 5/22/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 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 #: 030522-BA3	Station # 11132
Sampler: Brian Aleern	Date: 5/22/03
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.24	Depth to Water: 15.07
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 / (Middleburg) / 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.

4.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 12.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1443	68.5	7.3	1,411	4.0	silty grey, strong odor, slight sheen
1447	67.7	7.1	1,458	8.0	cloudy grey, strong odor, less sheen
1453	67.7	7.1	1,474	12.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 12

Sampling Time: 1455 Sampling Date: 5/22/03

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

Analyzed for: (TPH-G BTEX) MTBE TPH-D Other: Oxys + Ethanol by 8260 ACC

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 #: 030522-BA3	Station # 11132
Sampler: Brian Alcorn	Date: 5/22/03
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 27.53	Depth to Water: 15.16
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) / Middleburg / 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.

2.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1445	No Parameters Taken Heavy Sheen			6.0	cloudy, gray, strong odor
Note: Sampled from bottom of bailer due to sheen					

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 1450 Sampling Date: 5/22/03

Sample I.D.: MW-9 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G BTEX) MTBE TPH-D Other: Oxys + Ethanol by 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 #: 030522-BA3	Station # 11132
Sampler: Brian Alcorn	Date: 5/22/03
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.26	Depth to Water: 16.32
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); ~~Middleburg~~; 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.

3.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1620	No Parameters Taken Heavy	Sheen		9.0	cloudy gray, strong odor
Note: Sampled from bottom of bailer due to sheen					

Did well dewater? Yes (No) Gallons actually evacuated: 9.0

Sampling Time: 1625 Sampling Date: 5/22/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys + Ethanol by 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 #: 030522-BA3	Station # 11132
Sampler: Brian Allcorn	Date: 5/22/03
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: —	Depth to Water: 16.68
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 / Middleburg / 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 Detectable Level of SPH - Very Heavy				
	Sheen present - Tar-like, black, sticky				
	Bailed 3 gallons with Disposable and				
	placed in Waste Drum				

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

Client BP 11132 Date 5/22/03

Site Address 3201 35th Ave, OAKLAND

Job Number 030522-BA3 Technician Brian Alcorn

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	✓							
MW-2	✓							
MW-3	✓							
MW-4								✓
MW-5	✓	✓						
MW-6	✓							
MW-7	✓							
MW-8	✓							
MW-9		✓		✓				
MW-10		✓						
RW-1								✓

NOTES:

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:

added equip. rinse water _____ any other adjustments _____

TOTAL GALS. RECOVERED 29 loaded onto BTS vehicle # 23

BTS event # 030522-BA3 time _____ date 5/22/03

signature

* *

REC'D AT _____ time _____ date __/__/__

unloaded by signature _____

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 Group Environmental Management Company have been reviewed and verified by that laboratory.

Sequoia
Analytical

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Morgan Hill, CA 95037
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9 June, 2003

Leonard Niles
URS Corporation [Arco]
500 12th Street, Suite 100
Oakland, CA 94607

RE: BP Heritage #11132, Oakland, CA
Sequoia Work Order: MME0682

Enclosed are the results of analyses for samples received by the laboratory on 05/23/03 09:53. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MME0682
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/09/03 12:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MME0682-01	Water	05/22/03 17:10	05/23/03 09:53
MW-5	MME0682-02	Water	05/22/03 15:25	05/23/03 09:53
MW-8	MME0682-03	Water	05/22/03 14:55	05/23/03 09:53
MW-9	MME0682-04	Water	05/22/03 14:50	05/23/03 09:53
MW-10	MME0682-05	Water	05/22/03 16:25	05/23/03 09:53

There were no custody seals that were received with this project.

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MME0682
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/09/03 12:26

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MME0682-01) Water Sampled: 05/22/03 17:10 Received: 05/23/03 09:53									
Ethanol	ND	10000	ug/l	100	3F04026	06/04/03	06/05/03	EPA 8260B	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	**1000**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
Benzene	**6400**	50	"	"	"	"	"	"	
Toluene	**2600**	50	"	"	"	"	"	"	
Ethylbenzene	**1800**	50	"	"	"	"	"	"	
Xylenes (total)	**7400**	50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**52000**	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*78-129*		"	"	"	"	
MW-5 (MME0682-02) Water Sampled: 05/22/03 15:25 Received: 05/23/03 09:53									
Ethanol	ND	10000	ug/l	100	3F04026	06/04/03	06/05/03	EPA 8260B	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
Benzene	**2300**	50	"	"	"	"	"	"	
Toluene	**91**	50	"	"	"	"	"	"	
Ethylbenzene	**400**	50	"	"	"	"	"	"	
Xylenes (total)	**690**	50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**9900**	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MME0682
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/09/03 12:26

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (MME0682-03) Water Sampled: 05/22/03 14:55 Received: 05/23/03 09:53									
Ethanol	ND	5000	ug/l	50	3F04026	06/04/03	06/05/03	EPA 8260B	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	**46**	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
Benzene	**860**	25	"	"	"	"	"	"	
Toluene	**300**	25	"	"	"	"	"	"	
Ethylbenzene	**2100**	25	"	"	"	"	"	"	
Xylenes (total)	**9600**	25	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**43000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*78-129*		"	"	"	"	
MW-9 (MME0682-04) Water Sampled: 05/22/03 14:50 Received: 05/23/03 09:53									
Ethanol	ND	10000	ug/l	100	3F04026	06/04/03	06/05/03	EPA 8260B	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
Benzene	**260**	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Ethylbenzene	**1000**	50	"	"	"	"	"	"	
Xylenes (total)	**2900**	50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**23000**	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MME0682
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/09/03 12:26

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MME0682-05) Water Sampled: 05/22/03 16:25 Received: 05/23/03 09:53									
Ethanol	ND	10000	ug/l	100	3F04026	06/04/03	06/05/03	EPA 8260B	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Methyl tert-butyl ether	**300**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
Benzene	**2100**	50	"	"	"	"	"	"	
Toluene	**850**	50	"	"	"	"	"	"	
Ethylbenzene	**630**	50	"	"	"	"	"	"	
Xylenes (total)	**1600**	50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**13000**	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*78-129*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MME0682
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/09/03 12:26

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 3F04026 - EPA 5030B P/T										
Blank (3F04026-BLK1)				Prepared & Analyzed: 06/04/03						
Ethanol	ND	100	ug/l							
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	"							
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.81*		"	*5.00*		*96.2*	*78-129*			
Laboratory Control Sample (3F04026-BS1)				Prepared & Analyzed: 06/04/03						
Methyl tert-butyl ether	10.0	0.50	ug/l	10.0		100	63-137			
Benzene	10.4	0.50	"	10.0		104	78-124			
Toluene	10.9	0.50	"	10.0		109	78-129			
Surrogate: 1,2-Dichloroethane-d4	*5.06*		"	*5.00*		*101*	*78-129*			
Laboratory Control Sample (3F04026-BS2)				Prepared & Analyzed: 06/04/03						
Methyl tert-butyl ether	8.28	0.50	ug/l	9.92		83.5	63-137			
Benzene	5.33	0.50	"	6.40		83.3	78-124			
Toluene	30.6	0.50	"	29.7		103	78-129			
Gasoline Range Organics (C6-C10)	416	50	"	440		94.5	70-113			
Surrogate: 1,2-Dichloroethane-d4	*4.84*		"	*5.00*		*96.3*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MME0682
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/09/03 12:26

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 3F04026 - EPA 5030B P/T										
Matrix Spike (3F04026-MS1)	**Source: MME0682-01**			Prepared: 06/04/03		Analyzed: 06/05/03				
Methyl tert-butyl ether	1940	50	ug/l	992	1000	94.8	63-137			
Benzene	6920	50	"	640	6400	81.2	78-124			
Toluene	5860	50	"	2970	2600	110	78-129			
Gasoline Range Organics (C6-C10)	88400	5000	"	44000	52000	82.7	70-113			
Surrogate: 1,2-Dichloroethane-d4	*5.18*		"	*5.00*		*104*	*78-129*			
Matrix Spike Dup (3F04026-MSD1)	**Source: MME0682-01**			Prepared: 06/04/03		Analyzed: 06/05/03				
Methyl tert-butyl ether	1920	50	ug/l	992	1000	92.7	63-137	1.04	13	
Benzene	6990	50	"	640	6400	92.2	78-124	1.01	12	
Toluene	5940	50	"	2970	2600	112	78-129	1.36	10	
Gasoline Range Organics (C6-C10)	89500	5000	"	44000	52000	85.2	70-113	1.24	9	
Surrogate: 1,2-Dichloroethane-d4	*5.24*		"	*5.00*		*105*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11132, Oakland, CA	MME0682
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/09/03 12:26

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 5/22/03
Requested Due Date (mm/dd/yy)

On-site Time: Temp:
Off-site Time: Temp:
Sky Conditions:
Meteorological Events:
Wind Speed: Direction:

Send To:	BP/GEM Facility No.:
Lab Name: SEQUOIA	BP/GEM Facility Address: 3201 35TH AVENUE, OAKLAND, CA
Lab Address: 885 Jarvis Dr.	Site ID No. 11132
Morgan Hill, CA 95037	Site Lat/Long:
	California Global ID #: T0600100213
Lab PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549
Report Type & QC Level: Send EDF Reports	Moraga, CA 94570
BP/GEM Account No.: 400-6-21124	Tele/Fax: 925-299-8891/925-299-8872

Consultant/Contractor: URS	
Address: 500 12th St., Ste. 200	
Oakland, CA 94609-4014	
e-mail EDD: syed_rehan@urscorp.com	
Consultant/Contractor Project No.:	
Consultant Tele/Fax: 510-874-1720 / 510-874-3268	
Consultant/Contractor PM: Leonard Niles	
Invoice to: Consultant/Contractor or BP/GEM (Circle one)	
BP/GEM Work Release No:	

Lab Bottle Order No: MME0482

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 (8015 / 8021)	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	1710		X			01	3				X	X				X		X	
2	MW-5	1525		X			02	3				X	X				X		X	
3	MW-8	1455		X			03	3				X	X				X		X	
4	MW-9	1450		X			04	3				X	X				X		X	
5	MW-10	1625		X			05	3				X	X				X		X	
6																				
7																				
8																				
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Brian Alcorn						
Sampler's Company: Blaine Tech Services		5/22/03	0913		5/23/03	913
Shipment Date:		5/22/03	9:53		5/23/03	953
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): V
WORKORDER: MME0402

DATE REC'D AT LAB: 5/22/03
TIME REC'D AT LAB: 953
DATE LOGGED IN: 5-24-03

Drinking water for regulatory purposes: YES / NO
Wastewater 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*	01	AC	MW-2	(3)VOA	HCl	L	5/22/03	
	02		-5					
2. Chain-of-Custody (Present) / Absent*	03		-8					
3. Traffic Reports or Packing List: Present / (Absent)	04		-9					
	05		-10					
4. Airbill: Airbill / Sticker Present / (Absent)								
5. Airbill #:								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? (Yes) / No*				5/23/03 DF				
10. Sample received within hold time: (Yes) / No*								
11. Proper Preservatives used: (Yes) / No*								
12. Temp Rec. at Lab: 5°C Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): Metals / DFF (Direct From Field) or Problem COC

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

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

06/10/03

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:	MME0682
Global ID:	T0600100213
Lab Report Number:	MME0682060920031226

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MME06820609200 31226	MW-10	MME068205	W	CS	8260+OX	SW5030B	05/22/03	06/04/03	06/05/03	3F04026	1	
MME06820609200 31226	MW-2	MME068201	W	CS	8260+OX	SW5030B	05/22/03	06/04/03	06/05/03	3F04026	1	
MME06820609200 31226	MW-5	MME068202	W	CS	8260+OX	SW5030B	05/22/03	06/04/03	06/05/03	3F04026	1	
MME06820609200 31226	MW-8	MME068203	W	CS	8260+OX	SW5030B	05/22/03	06/04/03	06/05/03	3F04026	1	
MME06820609200 31226	MW-9	MME068204	W	CS	8260+OX	SW5030B	05/22/03	06/04/03	06/05/03	3F04026	1	
		3F04026BS1	WQ	BS1	8260+OX	SW5030B	/ /	06/04/03	06/04/03	3F04026	1	
		3F04026BS2	WQ	BS2	8260+OX	SW5030B	/ /	06/04/03	06/04/03	3F04026	1	
		3F04026BLK1	WQ	LB1	8260+OX	SW5030B	/ /	06/04/03	06/04/03	3F04026	1	
		3F04026MS1	W	MS1	8260+OX	SW5030B	/ /	06/04/03	06/05/03	3F04026	1	
		3F04026MSD1	W	SD1	8260+OX	SW5030B	/ /	06/04/03	06/05/03	3F04026	1	

EDFSAMP: Error Summary Log

06/10/03

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

EDFTEST: Error Summary Log

06/10/03

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

EDFRES: Error Summary Log

06/10/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3F04026MS1	MS1	W	8260+OX	PR	06/05/03	1	GROC6C10
Warning: extra parameter	3F04026MSD1	SD1	W	8260+OX	PR	06/05/03	1	GROC6C10
Warning: extra parameter	MME068201	CS	W	8260+OX	PR	06/05/03	1	GROC6C10
Warning: extra parameter	MME068201	CS	W	8260+OX	PR	06/05/03	1	XYLENES
Warning: extra parameter	MME068202	CS	W	8260+OX	PR	06/05/03	1	GROC6C10
Warning: extra parameter	MME068202	CS	W	8260+OX	PR	06/05/03	1	XYLENES
Warning: extra parameter	MME068203	CS	W	8260+OX	PR	06/05/03	1	GROC6C10
Warning: extra parameter	MME068203	CS	W	8260+OX	PR	06/05/03	1	XYLENES
Warning: extra parameter	MME068204	CS	W	8260+OX	PR	06/05/03	1	GROC6C10
Warning: extra parameter	MME068204	CS	W	8260+OX	PR	06/05/03	1	XYLENES
Warning: extra parameter	MME068205	CS	W	8260+OX	PR	06/05/03	1	GROC6C10
Warning: extra parameter	MME068205	CS	W	8260+OX	PR	06/05/03	1	XYLENES
Warning: extra parameter	3F04026BLK1	LB1	WQ	8260+OX	PR	06/04/03	1	GROC6C10
Warning: extra parameter	3F04026BLK1	LB1	WQ	8260+OX	PR	06/04/03	1	XYLENES
Warning: extra parameter	3F04026BS2	BS2	WQ	8260+OX	PR	06/04/03	1	GROC6C10

EDFQC: Error Summary Log

06/10/03

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

EDFCL: Error Summary Log

06/10/03

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: 3624206244
Date/Time of Submittal: 6/10/2003 5:09:52 PM
Facility Global ID: T0600100213
Facility Name: BP
Submittal Title: 2nd Qtr 2003 Monitoring Report for #11132
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

AB2886 Electronic Delivery

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

UPLOADING A GEO_WELL FILE

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

Submittal Title:	***2nd Qtr 2003 Monitoring Data for #11132***
Submittal Date/Time:	**6/10/2003 5:11:12 PM**
Confirmation Number:	**3635273575**

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR