URS

February 25, 2003

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

Re: **Fourth Quarter 2002 Groundwater Monitoring Report**
Former BP Service Station #11132
3201 35th Avenue
Oakland, California
URS Project #38485986

Dear Mr. Hwang:

On behalf of BP (an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the *Fourth Quarter 2002 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

Attachment: Fourth Quarter 2002 Groundwater Monitoring Report

cc: Mr. Scott Hooton, BP GEM, Environmental Resources management, 295 SW 41st Street, Building 13, Suite N, Renton, Washington 98055-4931
Ms. Liz Sewell, ConocoPhilips, 76 Broadway, Sacramento, CA 95212
Mr. Ade Fagorala, San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, California 94612

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893 3600
Fax: 510.874.3268

Date: February 25, 2003
Quarter: 4Q 02

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11132	Address:	3201 35th Avenue Oakland, CA
BP Environmental Engineer:			Scott Hooton
Consulting Co./Contact Person:			URS Corporation/ Leonard Niles
Consultant Project No.:			38485986
Primary Agency/Regulatory ID No.:			Alameda County Health Care Services Agency (ACHCSA)/ #RO0000014

WORK PERFORMED THIS QUARTER (Fourth – 2002):

1. Performed fourth quarter 2002 groundwater monitoring event on November 12, 2002.
2. Prepared and submitted third quarter 2002 groundwater monitoring report.
3 Prepared and submitted workplan on October 28, 2002 for off-site monitoring wells and on-site borings.

WORK PROPOSED FOR NEXT QUARTER (First – 2003):

1. Perform first quarter 2003 groundwater monitoring event.
2. Prepare and submit fourth quarter 2002 groundwater monitoring report.
3. Perform on-site soil borings and off-site monitoring well installations (2 wells)

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 (Feb)
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	FP detected in MW-1, MW-10, and RW-1 A sheen was detected in MW-2, MW-8 and MW-9
Current Remediation Techniques:	Interim Free Product Bailing
Approximate Depth to Groundwater:	18.78 (MW-6) to 22.65 (MW-1) feet
Groundwater Gradient (direction):	Southwest
Groundwater Gradient (magnitude):	0.005 feet per foot

DISCUSSION:

TPH-g was detected in all four wells sampled this quarter at concentrations ranging from 390 micrograms per liter (µg/L) in well MW-5 to 46,000 µg/L in well MW-2. Benzene was also detected in all four wells at concentrations ranging from 5.8 µg/L in well MW-9 to 4,100 µg/L in well MW-2. MTBE was detected in all four wells sampled at concentrations ranging from 21 µg/L in MW-9 to 1,900 µg/L in MW-2. Groundwater elevations across the site

increased by an average of 0.07 feet this quarter, and groundwater flow direction was to the southwest at a calculated hydraulic gradient of 0.005 feet/foot. Wells MW-1, MW-10 and RW-1 could not be sampled due to the presence of free product; approximately 0.4 liters (1.5 gallons) of free product was bailed from these wells.
URS is currently awaiting the approval of the workplan submitted to ACHCSA on October 28, 2002 proposing the installation of 2 off-site monitoring wells and on-site soil borings.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – November 12, 2002
- 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

REPORT

FOURTH QUARTER 2002 GROUNDWATER MONITORING

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

Prepared for
BP GEM

February 25, 2003

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

38485986

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- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – November 12, 2002
- Attachment A – Concentration and Water Level Trends (MW-2)
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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		7/9/90	169.75	—	0.22	—	—	—	—	—	—	—	—
MW-1		12/21/90	169.75	—	0.58	—	—	—	—	—	—	—	—
MW-1		3/7/91	169.75	20.59	—	—	—	—	—	—	—	—	—
MW-1		6/27/91	169.75	—	0.18	—	—	—	—	—	—	—	—
MW-1		9/27/91	169.75	—	0.27	—	—	—	—	—	—	—	—
MW-1		12/18/91	169.75	—	0.28	—	—	—	—	—	—	—	—
MW-1		4/1/91	169.75	16 51	0.15	153.35	—	—	—	—	—	—	—
MW-1		7/3/92	169.75	22.30	0.27	147.65	—	—	—	—	—	—	—
MW-1		10/5/92	169.75	23.98	0.24	145.95	—	—	—	—	—	—	—
MW-1		1/13/93	169.75	17.03	0.24	152.90	—	—	—	—	—	—	—
MW-1		4/23/93	169.75	18.10	0.42	151.97	—	—	—	—	—	—	—
MW-1		7/12/93	169.75	22.02	0.49	148.10	—	—	—	—	—	—	—
MW-1		10/21/93	169.75	25.12	1.09	145.45	—	—	—	—	—	—	—
MW-1		1/21/94	169.75	23.02	0.76	147.30	—	—	—	—	—	—	—
MW-1		4/20/94	169.75	24.54	1.80	146.56	—	—	—	—	—	—	—
MW-1		8/1/94	169.75	24.11	0.35	145.90	—	—	—	—	—	—	—
MW-1		12/23/94	169.75	18.19	0.29	151.78	—	—	—	—	—	—	—
MW-1		1/26/95	169.75	16.25	1.10	154.33	—	—	—	—	—	—	—
MW-1		6/8/95	169.75	22.92	1.20	147.73	—	—	—	—	—	—	—
MW-1		8/22/95	169.75	24.45	0.85	145.94	—	—	—	—	—	—	—
MW-1		10/27/95	169.75	25.41	0.69	144.86	—	—	—	—	—	—	—
MW-1		1/25/96	169.75	18.20	1.40	152.60	—	—	—	—	—	—	—
MW-1		4/19/96	169.75	19.06	1.22	151.61	—	—	—	—	—	—	—
MW-1		7/23/96	169.75	22.98	0.89	147.44	—	—	—	—	—	—	—
MW-1		11/11/96	169.75	23.99	0.98	146.50	—	—	—	—	—	—	—
MW-1		1/21/97	169.75	16.80	0.90	153.63	—	—	—	—	—	—	—
MW-1		4/29/97	169.75	21.90	0.85	148.49	—	—	—	—	—	—	—
MW-1		4/30/97	169.75	—	—	—	100000	3600	8000	4000	21300	7700	5.2
QC-1	(c)	4/30/97	—	—	—	—	92000	3500	8100	4400	23800	6900	—
MW-1		8/21/97	169.75	23.40	0.87	147.00	140000	3000	8500	3900	22100	5700	5.3
QC-1	(c)	8/21/97	—	—	—	—	120000	3200	8100	3800	19600	5200	—
MW-1		11/5/97	169.75	23.70	0.54	146.46	68000	6200	4400	3300	14300	8000	4.7
QC-1	(c)	11/5/97	—	—	—	—	88000	7300	4800	3600	16900	8200	—
MW-1		2/3/98	169.75	13.63	0.32	156.36	—	—	—	—	—	—	—
MW-1		2/4/98	—	—	—	—	190000	2200	10000	5600	32000	ND<10000	5.3
QC-1	(c)	2/4/98	—	—	—	—	160000	2300	8400	5000	29400	ND<10000	—
MW-1		5/28/98	169.75	18.03	0.17	151.85	87000	980	3900	3600	19000	2900	3.8
MW-1		12/30/98	169.75	19.50	0.08	150.31	70000	530	3200	2900	16000	3600	—

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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-1		2/2/99	169.75	18.93	0.03	150.84	79000	480	3100	3500	21000	3500		---
MW-1		5/10/99	169.75	18.28	0.03	151.49	110000	160	1900	3700	24000	3000		---
MW-1		8/24/99	169.75	20.13	0.06	149.67	110000	850	1300	1900	19000	ND<50		---
MW-1		11/3/99	169.75	22.27	0.36	147.77	65000	6300	1100	3300	9500	8900		---
MW-1	(h)	3/1/00	169.75	14.79	0.23	155.14	---	---	---	---	---	---		---
MW-1		4/21/00	169.75	18.10	0.33	151.91	61000	330	780	2700	17000	1300		---
MW-1		7/31/00	169.75	21.60	0.53	148.57	1500000	340	2100	24000	120000	2700		---
MW-1		11/20/00	169.75	21.69	0.37	148.36	1700000	1800	2300	19000	93000	3900		---
MW-1		2/18/01	169.75	16.70	0.13	153.15	---	---	---	---	---	---		---
MW-1		2/26/01	169.75	14.38	0.15	155.49	100000	658	466	4210	15000	1890		---
MW-1		6/7/01	169.75	20.78	0.00	148.97	70000	705	440	3870	12200	2720		---
MW-1	(j)	9/5/01	169.75	23.36	0.35	146.67	---	---	---	---	---	---		---
MW-1	(k)	11/30/01	169.75	20.85	0.41	149.23	---	---	---	---	---	---		---
MW-1		12/6/01	169.75	18.72	0.27	151.25	39000	3500	237	2150	4500	5400		---
MW-1		2/20/02	169.75	17.43	0.15	152.44	52000	465	271	1600	11400	106		---
MW-1	(j)	6/20/02	169.75	21.18	0.34	148.84	---	---	---	---	---	---		---
MW-1	(j)	9/11/02	169.75	22.86	0.40	147.21	---	---	---	---	---	---		---
MW-1	**(j)**	**11/12/02**	**169.75**	**22.65**	**0.37**	**147.40**	**---**	**---**	**---**	**---**	**---**	**---**		**---**
MW-2		7/9/90	168.14	---	0.10	---	---	---	---	---	---	---		---
MW-2		12/21/90	168.14	---	0.48	---	---	---	---	---	---	---		---
MW-2		3/7/91	168.14	19.18	---	---	---	---	---	---	---	---		---
MW-2		6/27/91	168.14	---	0.19	---	---	---	---	---	---	---		---
MW-2		9/27/91	168.14	---	0.15	---	---	---	---	---	---	---		---
MW-2		12/18/91	168.14	---	0.36	---	---	---	---	---	---	---		---
MW-2		4/1/91	168.14	15.21	0.10	153.01	---	---	---	---	---	---		---
MW-2		7/3/92	168.14	20.93	0.03	147.23	---	---	---	---	---	---		---
MW-2		10/5/92	168.14	22.74	0.21	145.56	---	---	---	---	---	---		---
MW-2		1/13/93	168.14	15.55	0.02	152.61	---	---	---	---	---	---		---
MW-2		4/23/93	168.14	16.54	0.21	151.76	---	---	---	---	---	---		---
MW-2		7/12/93	168.14	20.46	0.06	147.73	---	---	---	---	---	---		---
MW-2		10/21/93	168.14	24.91	0.31	143.46	---	---	---	---	---	---		---
MW-2		1/21/94	168.14	21.20	---	146.94	---	---	---	---	---	---		---
MW-2		4/20/94	168.14	22.44	---	145.70	1800	140	370	54	290	24	(i)	1.7
MW-2		8/1/94	168.14	22.24	0.04	145.93	---	---	---	---	---	---		---
MW-2		12/23/94	168.14	16.25	0.03	151.91	---	---	---	---	---	---		---
MW-2		1/26/95	168.14	14.55	0.39	153.88	---	---	---	---	---	---		---
MW-2		6/8/95	168.14	21.18	0.43	147.28	---	---	---	---	---	---		---

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3201 35th Avenue, Oakland, CA

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)
MW-2	8/22/95	168.14	22.76	0.36	145.65	---	---	---	---	---	---	---
MW-2	10/27/95	168.14	23.61	0.30	144.76	---	---	---	---	---	---	---
MW-2	1/25/96	168.14	15.95	0.15	152.30	---	---	---	---	---	---	---
MW-2	4/19/96	168.14	17.33	0.07	150.86	---	---	---	---	---	---	---
MW-2	7/23/96	168.14	21.25	0.05	146.93	---	---	---	---	---	---	---
MW-2	11/11/96	168.14	22.27	0.01	145.88	---	---	---	---	---	---	---
MW-2	1/21/97	168.14	15.19	0.01	152.96	---	---	---	---	---	---	---
MW-2	4/29/97	168.14	20.22	0.01	147.93	---	---	---	---	---	---	---
MW-2	4/30/97	168.14	---	---	---	130000	4600	15000	6000	37000	ND<5000	5.0
MW-2	8/21/97	168.14	21.74	0.01	146.41	110000	6000	16000	4700	28000	ND<500	4.6
MW-2	11/5/97	168.14	21.61	0.01	146.54	120000	7800	18000	4900	28100	ND<2500	4.6
MW-2	2/3/98	168.14	11.51	---	156.63	75000	590	1500	1800	12800	ND<2500	4.5
MW-2	5/28/98	168.14	16.51	---	151.63	79000	3900	3100	3100	18000	900	4.3
MW-2	12/30/98	168.14	17.70	---	150.44	95000	4700	3500	3700	21000	ND<250	---
MW-2	2/2/99	168 14	15.46	---	152.68	170000	3500	1500	5200	34000	ND<500	---
MW-2	5/10/99	168.14	16.52	---	151.62	84000	3200	3200	3700	20000	75	---
MW-2	8/24/99	168.14	20.73	---	147.41	130000	9100	9200	4700	27000	ND<250	---
MW-2	11/3/99	168.14	20.93	---	147.21	120000	10000	21000	4700	30200	2200	---
MW-2	3/1/00	168.14	13.37	---	154.77	39000	1400	1500	1700	8100	44	---
MW-2	4/21/00	168.14	16.59	---	151.55	68000	3300	2500	3100	20000	260	---
MW-2	7/31/00	168.14	16.37	---	151.77	99000	5600	1400	4300	22000	490	---
MW-2	11/20/00	168.14	19.71	---	148.43	37000	5100	1500	1300	4800	2800	---
MW-2	2/18/01	168.14	15.29	---	152.85	54000	5020	3880	2850	15400	1010	---
MW-2	6/7/01	168.14	19.43	---	148.71	110000	7240	4380	4160	22100	567	---
MW-2	9/5/01	168.14	22.44	---	145.70	69000	5750	5790	2770	14200	1510	---
MW-2	11/30/01	168.14	19.58	---	148.56	120000	7270	6540	4590	23000	794	---
MW-2	2/20/02	168.14	16.39	---	151.75	56000	2410	2270	2910	14300	160	---
MW-2	6/20/02	168.14	19.77	---	148.37	86000	7310	6490	3080	14600	659	---
MW-2	9/11/02	168.14	21.60		146.54	130000	7600	13000	5400	30000	ND<5000	---
MW-2	**11/12/02**	**168.14**	**21.34**	**SHEEN**	**146.80**	**46000**	**4100**	**4300**	**1900**	**10000**	**1900**	**---**
MW-3	7/9/90	167.17	---	---	---	140	5.3	4.6	2.0	3.8	---	---
MW-3	12/21/90	167.17	---	---	---	0.19	100	6.0	0.9	27	---	---
MW-3	3/7/91	167.17	17.40	---	149.77	0.4	69	22	6.1	57	---	---
MW-3	6/27/91	167.17	---	---	---	380	28	26	13	46	---	---
MW-3	9/27/91	167.17	---	---	---	0.07	7.9	ND	0.4	1.1	---	---
MW-3	12/18/91	167.17	---	---	---	0.26	34	24	0.8	28	---	---

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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		4/1/91	167.17	13.69	---	153.48	ND	ND	ND	ND	ND	---		---
MW-3		7/3/92	167.17	19.59	---	147.58	71	9.4	0.9	5.0	13	---		---
MW-3		10/5/92	167.17	21.22	---	145.95	67	5.1	1.1	6.1	8.1	---		---
QC-1	(c)	10/5/92	---	---	---	---	ND<50	2.2	ND<0.5	1.5	2.8	---		---
MW-3		1/13/93	167.17	13.63	---	153.54	830	50	34	42	89	---	(i)	---
MW-3		4/23/93	167.17	15.02	---	152.15	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
QC-1	(c)	4/23/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-3		7/12/93	167.17	19.16	---	148.01	250	12	4.2	12	16	ND<5.0	(i)	---
MW-3		10/21/93	167.17	21.81	---	145.36	52	4.4	1.4	4.7	3.3	ND<5.0	(i)	---
QC-1	(c)	10/21/93	---	---	---	---	65	7.4	1.0	6.9	4.2	---		---
MW-3		1/21/94	167.17	19.94	---	147.23	57	3.0	3.4	3.6	9.0	ND<5.0	(i)	---
MW-3		4/20/94	167.17	20.24	---	146.93	600	26	23	33	88	28.7	(i)	1.8
MW-3		8/1/94	167.17	20.74	---	146.43	99	6.2	1.1	4.5	5.2	ND<5.0	(i)	1.4
QC-1	(c)	8/1/94	---	---	---	---	120	7.7	1.6	5.9	6.7	5.43	(i)	---
MW-3		12/23/94	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)	12/23/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-3		1/26/95	167.17	12.89	---	154.28	190	16	0.5	35	24	---		6.6
MW-3		6/8/95	167.17	19.95	---	147.22	330	21	4.0	34	32	---		7.0
MW-3		8/22/95	167.17	21.41	---	145.76	150	14	ND<0.50	ND<0.50	1.6	ND<5.0	(d)	6.6
MW-3		10/27/95	167.17	22.43	---	144.74	---	---	---	---	---	---		---
MW-3		10/30/95	167.17	---	---	---	51	2.4	ND<0.50	ND<0.50	ND<1.0	ND<5.0		6.9
MW-3		1/25/96	167.17	14.03	---	153.14	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	5.1		---
MW-3		4/19/96	167.17	15.26	---	151.91	460	55	4	33	63	ND<10		9.4
MW-3		7/23/96	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		11/11/96	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		1/21/97	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		4/29/97	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		8/21/97	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		11/5/97	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		2/3/98	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		5/28/98	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		12/30/98	167.17	16.63	---	150.54	---	---	---	---	---	---		---
MW-3		2/2/99	167.17	13.12	---	154.05	<250	<5.0	<5.0	<5.0	<5.0	<5.0		---
MW-3		5/10/99	167.17	14.21	---	152.96	---	---	---	---	---	---		---
MW-3		8/24/99	167.17	14.36	---	152.81	---	---	---	---	---	---		---
MW-3		11/3/99	167.17	19.21	---	147.96	---	---	---	---	---	---		---
MW-3		3/1/00	167.17	15.17	---	152.00	ND<50	ND<0.5	0.57	ND<0.5	0.62	ND<0.5		---
MW-3		4/21/00	167.17	14.88	---	152.29	---	---	---	---	---	---		---

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

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-3	7/31/00	167.17	15.29	---	151.88	---	---	---	---	---	---		---
MW-3	11/20/00	167.17	17.31	---	149.86	---	---	---	---	---	---		---
MW-3	2/18/01	167.17	12.85	---	154.32	160	1.95	1.31	10.2	9.09	1.0		---
MW-3	6/7/01	167.17	18.00	---	149.17	---	---	---	---	---	---		---
MW-3	9/5/01	167.17	20.32	---	146.85	---	---	---	---	---	---		---
MW-3	11/30/01	167.17	16.94	---	150.23	---	---	---	---	---	---		---
MW-3	2/20/02	167.17	14.84	---	152.33	86	ND<0.5	0.845	6.58	5.75	ND<0.5		---
MW-3	6/20/02	167.17	18.40	---	148.77	---	---	---	---	---	---		---
MW-3	9/11/02	167.17	20.06	---	147.11	---	---	---	---	---	---		---
MW-3	**11/12/02**	**167.17**	**19.84**	---	**147.33**	---	---	---	---	---	---		---
MW-4	7/9/90	170.36	---	---	---	ND	ND	ND	ND	ND	---		---
MW-4	12/21/90	170.36	---	---	---	ND	ND	ND	ND	0.8	---		---
MW-4	3/7/91	170.36	20.72	---	149.64	ND	2.2	3.8	1.5	2.8	---		---
MW-4	6/27/91	170.36	---	---	---	ND	6.3	1.8	0.4	1.0	---		---
MW-4	9/27/91	170.36	---	---	---	ND	ND	ND	ND	ND	---		---
MW-4	12/18/91	170.36	---	---	---	ND	ND	ND	ND	ND	---		---
MW-4	4/1/91	170.36	17.49	---	152.87	ND	ND	ND	ND	ND	---		---
MW-4	7/3/92	170.36	22.16	---	148.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0 5	---		---
MW-4	10/5/92	170.36	23.38	---	146.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0 5	---		---
MW-4	1/13/93	170.36	17.58	---	152.78	ND<50	ND<0.5	ND<0.5	ND<0 5	ND<0 5	---	(1)	---
MW-4	4/23/93	170.36	15.72	---	154.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(1)	---
MW-4	7/12/93	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	10/21/93	170.36	23.84	---	146.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(1)	---
MW-4	1/21/94	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	4/20/94	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	8/1/94	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	12/23/94	170 36	17.03	---	153.33	---	---	---	---	---	---		---
MW-4	1/26/95	170.36	17.42	---	152.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		7.5
MW-4	6/8/95	170.36	21.55	---	148.81	---	---	---	---	---	---		---
MW-4	8/22/95	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	10/27/95	170.36	24.50	---	145.86	---	---	---	---	---	---		---
MW-4	1/25/96	170.36	18.74	---	151.62	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	58		---
MW-4	4/19/96	170.36	18.63	---	151.73	---	---	---	---	---	---		---
MW-4	7/23/96	170.36	22.56	---	147.80	---	---	---	---	---	---		---
MW-4	11/11/96	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	1/21/97	170.36	16.59	---	153.77	---	---	---	---	---	---		---
MW-4	4/29/97	170.36	21.43	---	148.93	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.7

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-4	8/21/97	170.36	22.91	—	147.45	—	—	—	—	—	—		—
MW-4	11/5/97	170.36	22.34	—	148.02	60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	76		4.9
MW-4	2/3/98	170.36	12.26	—	158.10	—	—	—	—	—	—		—
MW-4	5/28/98	170.36	18.50	—	151.86	70	ND<0.5	ND<1.0	ND<1.0	ND<1.0	160		4.2
MW-4	12/30/98	170.36	19.69	—	150.67	—	—	—	—	—	—		—
MW-4	2/2/99	170.36	18.26	—	152.10	70	ND<1.0	ND<1.0	ND<1.0	ND<1.0	130		—
MW-4	5/10/99	170.36	17.86	—	152.50	—	—	—	—	—	—		—
MW-4	8/24/99	170.36	17.93	—	152.43	—	—	—	—	—	—		—
MW-4	11/3/99	170.36	22.78	—	147.58	—	—	—	—	—	—		—
MW-4	3/1/00	170.36	18.04	—	152.32	ND<50	ND<0.5	0.67	ND<0.5	0.7	110		—
MW-4	4/21/00	170.36	17.36	—	153.00	—	—	—	—	—	—		—
MW-4	7/31/00	170.36	17.83	—	152.53	—	—	—	—	—	—		—
MW-4	11/20/00	170.36	18.91	—	151.45	—	—	—	—	—	—		—
MW-4	2/18/01	170.36	17.72	—	152.64	88	ND<0.5	ND<0.5	ND<0.5	ND<0.5	97.3		—
MW-4	6/7/01	170.36	20.23	—	150.13	—	—	—	—	—	—		—
MW-4	9/5/01	170.36	22.76	—	147.60	—	—	—	—	—	—		—
MW-4	11/30/01	170.36	21.30	—	149.06	—	—	—	—	—	—		—
MW-4	2/20/02	170.36	19.32	—	151.04	76	ND<0.5	ND<0.5	ND<0.5	ND<1.0	81		—
MW-4	6/20/02	170.36	20.71	—	149.65	—	—	—	—	—	—		—
MW-4	9/11/02	170.36	22.22	—	148.14	—	—	—	—	—	—		—
MW-4	**11/12/02**	**170.36**	**22.22**	**—**	**148.14**	**—**	**—**	**—**	**—**	**—**	**—**		**—**
MW-5	7/9/90	165.14	—	—	—	280	200	210	46	290	—		—
MW-5	12/21/90	165.14	—	—	—	0.69	300	34	8.4	39	—		—
MW-5	3/7/91	165.14	16.60	—	148.54	ND	17	0.9	0.7	1.6	—		—
MW-5	6/27/91	165.14	—	—	—	330	120	10	12	8	—		—
MW-5	9/27/91	165.14	—	—	—	0.73	230	16	20	22	—		—
MW-5	12/18/91	165.14	—	—	—	ND	ND	ND	ND	ND	—		—
MW-5	4/1/91	165.14	11.99	—	153.15	800	250	54	11	60	—		—
MW-5	7/3/92	165.14	18.65	—	146.49	150	36	ND<0.5	ND<0.5	1.1	—		—
MW-5	10/5/92	165.14	20.32	—	144.82	270	79	4	1.7	2.9	—		—
MW-5	1/13/93	165.14	13.03	—	152.11	180	59	6.0	1.8	7.6	—	(i)	—
MW-5	4/23/93	165.14	13.51	—	151.63	8700	440	96	35	136	—	(i)	—
MW-5	7/12/93	165.14	18.06	—	147.08	250	57	2.9	2.1	6.0	ND<5.0	(i)	—
MW-5	10/21/93	165.14	20.41	—	144.73	210	82	1.5	ND<0.5	1.4	—	(i)	—
MW-5	1/21/94	165.14	18.86	—	146.28	110	36	1.2	ND<0.5	0.7	ND<5.0	(i)	—
MW-5	4/20/94	165.14	17.30	—	147.84	690	230	4.5	1.6	11	21.2	(i)	1.3
MW-5	8/1/94	165.14	17.53	—	147.61	170	44	1.6	0.9	2.7	ND<5.0	(i)	0.9

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-5		12/23/94	165.14	11.63	---	153.51	630	180	1.9	0.66	1.9	7.81	(i)	1.4
MW-5		1/26/95	165.14	11.25	---	153.89	160	68	ND<0.5	ND<0.5	22	---		5.9
MW-5		6/8/95	165.14	16.80	---	148.34	2000	630	58	61	180	---		6.5
QC-1	(c)	6/8/95	---	---	---	---	1700	560	51	55	170	---		---
MW-5		8/22/95	165.14	19.02	---	146.12	3700	1100	18	27	59	ND<130	(d)	7.3
MW-5		10/27/95	165.14	20.94	---	144.20	---	---	---	---	---	---		---
MW-5		10/30/95	165.14	---	---	---	6500	2200	55	180	270	ND<250		7.5
MW-5		1/25/96	165.14	13.30	---	151.84	590	37	0.70	ND<0.50	ND<1.0	ND<5.0		---
QC-1	(c)	1/25/96	---	---	---	---	540	37	0.66	ND<0.50	ND<1.0	ND<5.0		---
MW-5		4/19/96	165.14	13.63	---	151.51	1500	470	38	49	210	ND<50		8.1
MW-5		7/23/96	165.14	17.61	---	147.53	140	4.6	ND<0.5	ND<0.5	ND<0.5	ND<10		8.0
MW-5		11/11/96	165.14	18.70	---	146.44	140	40	ND<1.0	ND<1.0	ND<1.0	ND<10		7.9
MW-5		1/21/97	165.14	11.63	---	153.51	730	300	ND<5.0	7.8	26	ND<50		5.0
MW-5		4/29/97	165.14	16.74	---	148.40	340	530	ND<5.0	ND<5.0	ND<5.0	ND<50		4.8
MW-5		8/21/97	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		11/5/97	165.14	18.84	---	146.30	120	13	ND<1.0	ND<1.0	ND<1.0	ND<10		4.4
MW-5		2/3/98	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		5/28/98	165.14	13.57	---	151.57	4900	1500	34	180	311	ND<10		4.1
MW-5		12/30/98	165.14	14.65	---	150.49	---	---	---	---	---	---		---
MW-5		2/2/99	165.14	12.56	---	152.58	100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	9.1		---
MW-5		5/10/99	165.14	13.36	---	151.78	---	---	---	---	---	---		---
MW-5		8/24/99	165.14	13.50	---	151.64	---	---	---	---	---	---		---
MW-5		11/3/99	165.14	18.48	---	146.66	---	---	---	---	---	---		---
MW-5		3/1/00	165.14	9.59	---	155.55	ND<50	ND<0.5	0.58	ND<0.5	0.54	2.9		---
MW-5		4/21/00	165.14	13.52	---	151.62	---	---	---	---	---	---		---
MW-5		7/31/00	165.14	14.04	---	151.10	---	---	---	---	---	---		---
MW-5		11/20/00	165.14	15.89	---	149.25	---	---	---	---	---	---		---
MW-5		2/18/01	165.14	11.88	---	153.26	560	161	2.38	6.11	13	5.67		---
MW-5		6/7/01	165.14	15.30	---	149.84	---	---	---	---	---	---		---
MW-5		9/5/01	165.14	19.32	---	145.82	---	---	---	---	---	---		---
MW-5		11/30/01	165.14	17.44	---	147.70	---	---	---	---	---	---		---
MW-5		2/20/02	165.14	13.88	---	151.26	4200	940	18.7	98.2	176	55.6		---
MW-5		6/20/02	165.14	16.20	---	148.94	---	---	---	---	---	---		---
MW-5		9/11/02	165.14	19.15	---	145.99	---	---	---	---	---	---		---
MW-5		**11/12/02**	**165.14**	**19.01**		**146.13**	**390**	**55**	**0.89**	**3.4**	**3.5**	**210**		**---**
MW-6		7/9/90	165.40	---	---	---	ND	ND	ND	ND	ND	---		---
MW-6		12/21/90	165.40	---	---	---	0.17	2.6	7.0	4.9	26	---		---

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	(e)	3/7/91	165.40	---	---	---	---	---	---	---	---	---		---
MW-6	(e)	6/27/91	165.40	---	---	---	---	---	---	---	---	---		---
MW-6	(e)	9/27/91	165.40	---	---	---	---	---	---	---	---	---		---
MW-6		12/18/91	165.40	---	---	---	ND	1.3	22	ND	2.7	---		---
MW-6		4/1/91	165.40	11.79	---	153.61	ND	ND	ND	ND	ND	---		---
MW-6		7/3/92	165.40	17.77	---	147.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-6		10/5/92	165.40	19.46	---	145.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-6		1/13/93	165.40	11.34	---	154.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-6		4/23/93	165.40	12.92	---	152.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-6		7/12/93	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		10/21/93	165.40	19.98	---	145.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-6		1/21/94	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		4/20/94	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		8/1/94	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		12/23/94	165.40	12.94	---	152.46	---	---	---	---	---	---		---
MW-6		1/26/95	165.40	10.46	---	154.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		7.3
MW-6		6/8/95	165.40	16 84	---	148.56	---	---	---	---	---	---		---
MW-6		8/22/95	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		10/27/95	165.40	20.39	---	145.01	---	---	---	---	---	---		---
MW-6		1/25/96	165.40	12.24	---	153.16	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	9.9		---
MW-6		4/19/96	165.40	13.90	---	151.50	---	---	---	---	---	---		---
MW-6		7/23/96	165.40	17.83	---	147.57	---	---	---	---	---	---		---
MW-6		11/11/96	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		1/21/97	165.40	11.97	---	153.43	---	---	---	---	---	---		---
MW-6		4/29/97	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		8/21/97	165.40	18.58	---	146.82	---	---	---	---	---	---		---
MW-6		11/5/97	165.40	19.17	---	146.23	70	ND<0.5	ND<1.0	ND<1.0	ND<1.0	85		4.3
MW-6		2/3/98	165.40	9.87	---	155.53	---	---	---	---	---	---		---
MW-6		5/28/98	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		12/30/98	165.40	14.45	---	150.95	---	---	---	---	---	---		---
MW-6		2/2/99	165.40	18.29	---	147.11	---	---	---	---	---	---		---
MW-6		5/10/99	165.40	17.49	---	147.91	---	---	---	---	---	---		---
MW-6		8/24/99	165.40	17.61	---	147.79	---	---	---	---	---	---		---
MW-6		11/3/99	165.40	16.26	---	149.14	---	---	---	---	---	---		---
MW-6		3/1/00	165.40	17.43	---	147.97	---	---	---	---	---	---		---
MW-6		4/21/00	165.40	13.32	---	152.08	---	---	---	---	---	---		---
MW-6		7/31/00	165.40	13.46	---	151.94	---	---	---	---	---	---		---
MW-6		11/20/00	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	2/18/01	165.40	11.33	---	154.07	---	---	---	---	---	---		---
MW-6	6/7/01	165.40	16.36	---	149.04	---	---	---	---	---	---		---
MW-6	9/5/01	165.40	18.61	---	146.79	---	---	---	---	---	---		---
MW-6	11/30/01	165.40	15.20	---	150.20	---	---	---	---	---	---		---
MW-6	2/20/02	165.40	12.74	---	152.66	---	---	---	---	---	---		---
MW-6	6/20/02	165.40	16.68	---	148.72	---	---	---	---	---	---		---
MW-6	9/11/02	165.40	18.38	---	147.02	---	---	---	---	---	---		---
MW-6	**11/12/02**	**165.40**	**18.78**	**---**	**146.62**	**---**	**---**	**---**	**---**	**---**	**---**		**---**
MW-7	7/9/90	167.61	---	---	---	ND	ND	ND	ND	ND	---		---
MW-7	12/21/90	167.61	---	---	---	ND	ND	ND	ND	ND	---		---
MW-7	3/7/91	167.61	19.04	---	148.57	ND	ND	0.4	0.3	2.4	---		---
MW-7	6/27/91	167.61	---	---	---	70	17	4	0.8	2.2	---		---
MW-7	9/27/91	167.61	---	---	---	ND	0.4	ND	ND	0.4	---		---
MW-7	12/18/91	167.61	---	---	---	ND	0.7	2.9	0.8	3.3	---		---
MW-7	4/1/91	167.61	15.18	---	152.43	ND	ND	ND	ND	ND	---		---
MW-7	7/3/92	167.61	20.28	---	147.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-7	10/5/92	167.61	21.56	---	146.05	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	---		---
MW-7	1/13/93	167 61	15.41	---	152.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-7	4/23/93	167.61	15.84	---	151.77	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<0.5	---	(i)	---
MW-7	7/12/93	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	10/21/93	167.61	21.61	---	146.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
MW-7	1/21/94	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)	1/21/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
MW-7	4/20/94	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	8/1/94	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	12/23/94	167.61	15.00	---	152.61	---	---	---	---	---	---		---
MW-7	1/26/95	167.61	14.69	---	152.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		7.0
MW-7	6/8/95	167.61	19.87	---	147.74	---	---	---	---	---	---		---
MW-7	8/22/95	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	10/27/95	167.61	22.53	---	145.08	---	---	---	---	---	---		---
MW-7	1/25/96	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	4/19/96	167.61	17.09	---	150.52	---	---	---	---	---	---		---
MW-7	7/23/96	167.61	21.02	---	146.59	---	---	---	---	---	---		---
MW-7	11/11/96	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	1/21/97	167.61	15.06	---	152.55	---	---	---	---	---	---		---
MW-7	4/29/97	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	8/21/97	167.61	21.59	---	146.02	---	---	---	---	---	---		---

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	11/5/97	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	2/3/98	167.61	9.97	---	157.64	---	---	---	---	---	---		---
MW-7	5/28/98	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	12/30/98	167.61	18.33	---	149.28	---	---	---	---	---	---		---
MW-7	2/2/99	167.61	12.33	---	149.28	---	---	---	---	---	---		---
MW-7	5/10/99	167.61	13.52	---	154.09	---	---	---	---	---	---		---
MW-7	8/24/99	167.61	14.01	---	153.60	---	---	---	---	---	---		---
MW-7	11/3/99	167.61	19.91	---	147.70	---	---	---	---	---	---		---
MW-7	3/1/00	167.61	19.89	---	147.72	---	---	---	---	---	---		---
MW-7	4/21/00	167.61	17.94	---	149.67	---	---	---	---	---	---		---
MW-7	7/31/00	167.61	17.33	---	150.28	---	---	---	---	---	---		---
MW-7	11/20/00	167.61	18.41	---	149.20	---	---	---	---	---	---		---
MW-7	2/18/01	167.61	15.13	---	152.48	---	---	---	---	---	---		---
MW-7	6/7/01	167.61	18.75	---	148.86	---	---	---	---	---	---		---
MW-7	9/5/01	167.61	20.48	---	147.13	---	---	---	---	---	---		---
MW-7	11/30/01	167.61	20.11	---	147.50	---	---	---	---	---	---		---
MW-7	2/20/02	167.61	18.40	---	149.21	---	---	---	---	---	---		---
MW-7	6/20/02	167.61	18.62	---	148.99	---	---	---	---	---	---		---
MW-7	9/11/02	167.61	20.05	---	147.56	---	---	---	---	---	---		---
MW-7	**11/12/02**	**167.61**	**21.13**	**---**	**146.48**	**---**	**---**	**---**	**---**	**---**	**---**		**---**
MW-8	3/7/91	165.74	16.72	---	149.02	2.7	780	450	64	310	---		---
MW-8	6/27/91	165.74	---	---	---	12000	3400	1100	240	750	---		---
MW-8	9/27/91	165.74	---	---	---	41	5700	5200	1100	4300	---		---
MW-8	12/18/91	165.74	---	---	---	3.2	990	150	120	250	---		---
MW-8	4/1/91	165.74	12.54	---	153.20	15000	3600	2600	410	1900	---		---
MW-8	7/3/92	165.74	18.78	---	146.96	72000	19000	32000	3000	15000	---		---
MW-8	10/5/92	165.74	20.48	0.01	145.27	---	---	---	---	---	---		---
MW-8	1/13/93	165.74	12.87	0.01	152.88	---	---	---	---	---	---		---
MW-8	4/23/93	165.74	13.90	SHEEN	151.84	---	---	---	---	---	---		---
MW-8	7/12/93	165.74	18.30	SHEEN	147.44	---	---	---	---	---	---		---
MW-8	10/21/93	165.74	21.91	0.95	144.54	---	---	---	---	---	---		---
MW-8	1/21/94	165.74	19.12	0.03	146.64	---	---	---	---	---	---		---
MW-8	4/20/94	165.74	19.28	0.03	146.48	26000	1700	4100	960	4000	632	(i)	1.1
MW-8	8/1/94	165.74	---	---	---	---	---	---	---	---	---		---
MW-8	12/23/94	165.74	13.81	0.03	151.95	---	---	---	---	---	---		---
MW-8	1/26/95	165.74	---	---	---	---	---	---	---	---	---		---
MW-8	6/8/95	165.74	17.82	0.29	148.14	---	---	---	---	---	---		---

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-8		8/22/95	165.74	19.41	0.20	146.48	---	---	---	---	---	---	---
MW-8		10/27/95	165.74	20.47	0.14	145.38	---	---	---	---	---	---	---
MW-8		1/25/96	165.74	13.35	0.22	152.56	---	---	---	---	---	---	---
MW-8		4/19/96	165.74	14.40	0.20	151.49	---	---	---	---	---	---	---
MW-8		7/23/96	165.74	18.35	0.14	147.50	---	---	---	---	---	---	---
MW-8		11/11/96	165.74	19.41	0.02	146.35	---	---	---	---	---	---	---
MW-8		1/21/97	165.74	12.29	0.01	153.46	---	---	---	---	---	---	---
MW-8	(e)	4/29/97	165.74	---	---	---	---	---	---	---	---	---	---
MW-8		8/21/97	165.74	19.61	---	146.13	240000	1100	9300	4100	31100	ND<1000	5.2
MW-8		11/5/97	165.74	19.45	0.10	146.37	57000	790	2700	2300	15200	ND<1000	5.0
MW-8		2/3/98	165.74	9.33	0.03	156.43	---	---	---	---	---	---	---
MW-8		2/4/98	---	---	---	---	94000	570	1500	2100	15200	ND<2500	5.5
MW-8	(e)	5/28/98	165.74	---	---	---	---	---	---	---	---	---	---
MW-8		12/30/98	165.74	15.48	0.05	150.30	120000	460	2300	2200	15000	150	---
MW-8		2/2/99	165.74	18.29	---	147.45	82000	450	2200	3700	26000	ND<500	---
MW-8		5/10/99	165.74	15.62	---	150.12	28000	740	1800	1100	5800	ND<25	---
MW-8		8/24/99	165.74	18.41	---	147.33	75000	530	1400	3300	21000	150	---
MW-8		11/3/99	165.74	18.71	---	147.03	70000	600	1300	3600	20500	750	---
MW-8		3/1/00	165.74	19.37	---	146.37	27000	1600	1200	2600	6600	120	---
MW-8	(e)	4/21/00	165.74	---	---	---	---	---	---	---	---	---	---
MW-8	(e)	7/31/00	165.74	---	---	---	---	---	---	---	---	---	---
MW-8		11/20/00	165.74	17.42	---	148.32	1300000	1400	1700	20000	16000	5700	---
MW-8	(e)	2/18/01	165.74	---	---	---	---	---	---	---	---	---	---
MW-8	(e)	6/7/01	165.74	---	---	---	---	---	---	---	---	---	---
MW-8	(j)	9/5/01	165.74	21.45	0.04	144.32	---	---	---	---	---	---	---
MW-8	(h)	11/30/01	165.74	18.31	---	147.43	---	---	---	---	---	---	---
MW-8	(e)	12/6/01	165.74	---	---	---	---	---	---	---	---	---	---
MW-8		2/20/02	165.74	14.02	---	151.72	20000	163	114	403	3810	80.4	---
MW-8		*6/20/02*	*165.74*	*17.56*	---	*148.18*	*28000*	*466*	*141*	*962*	*5850*	*2520*	---
MW-8		9/11/02	165.74	19.45	---	146.29	190000	1500	670	4500	23000	1200	---
MW-8		**11/12/02**	**165.74**	**19.15**	**SHEEN**	**146.59**	**420**	**6.4**	**2.9**	**16**	**110**	**31**	**---**
MW-9		3/7/91	166.20	16.79	---	149.41	7.1	220	4	2.4	2400	---	---
MW-9		6/27/91	166.20	---	---	---	3600	520	400	85	310	---	---
MW-9		9/27/91	166.20	---	---	---	3.2	720	150	50	180	---	---
MW-9		12/18/91	166.20	---	---	---	ND	2.5	1.1	0.3	5.8	---	---
MW-9		4/1/91	166.20	12.89	---	153.31	12000	2000	2600	360	1600	---	---
MW-9		7/3/92	166.20	18.89	---	147.31	5700	17000	840	230	800	---	---

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

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)
MW-9		10/5/92	166.20	20.52	---	145.68	1400	440	17	14	100	---		---
MW-9		1/13/93	166.20	12.92	---	153.28	11000	1200	1700	340	1400	---	(i)	---
QC-1	(c)	1/13/93	---	---	---		11000	1200	1600	330	1300	---	(i)	---
MW-9		4/23/93	166.20	14.08	---	152.12	24000	2800	4500	730	3400	---	(i)	---
MW-9		7/12/93	166.20	18.44	---	147.76	13000	1400	1100	360	1400	20.8	(i)	---
QC-1	(c)	7/12/93	---	---	---	---	10000	1200	900	310	1200	---		---
MW-9		10/21/93	166.20	21.81	0.89	145.06	---	---	---	---	---	---		---
MW-9		1/21/94	166.20	19.28	---	146.92	---	---	---	---	---	---		---
MW-9		4/20/94	166.20	19.72	---	146.48	43000	2800	6800	1300	7900	768	(i)	1.7
QC-1	(c)	4/20/94	---	---	---	---	45000	2700	6800	1200	8200	740	(d)	---
MW-9		8/1/94	166.20	20.18	0 05	146.06	---	---	---	---	---	---		---
MW-9		12/23/94	166.20	14.22	0.02	152.00	---	---	---	---	---	---		---
MW-9		1/26/95	166.20	11.85	0.13	154.45	---	---	---	---	---	---		---
MW-9		6/8/95	166.20	18.33	0.80	148.47	---	---	---	---	---	---		---
MW-9		8/22/95	166.20	19.95	0.01	146.26	---	---	---	---	---	---		---
MW-9		10/27/95	166.20	20.88	0.01	145.33	---	---	---	---	---	---		---
MW-9		1/25/96	166.20	13.84	0.07	152.41	---	---	---	---	---	---		---
MW-9	(e)	4/19/96	166.20	---	---	---	---	---	---	---	---	---		---
MW-9		7/23/96	166.20	18.84	0.03	147.38	---	---	---	---	---	---		---
MW-9		11/11/96	166.20	19.91	0.01	146.30	---	---	---	---	---	---		---
MW-9		1/21/97	166.20	12.93	0.01	153.28	---	---	---	---	---	---		---
MW-9		4/29/97	166.20	18.03	SHEEN	148.17	---	---	---	---	---	---		---
MW-9		4/30/97	166.20	---	---	---	78000	1900	3600	3100	20600	ND<5000		5.5
MW-9		8/21/97	166.20	19.56	0.01	146.65	110000	2100	3400	2300	18800	ND<500		5.1
MW-9		11/5/97	166.20	20.59	0.01	145.62	59000	1400	1700	2200	17000	ND<500		4.5
MW-9		2/3/98	166.20	10.56	---	155.64	55000	490	1200	1400	10200	ND<1000		4.9
MW-9		5/28/98	166.20	14.21	0.01	152.00	41000	250	1200	1500	11400	ND<250		3.8
QC-1	(c)	5/28/98	---	---	---	---	53000	290	830	1400	10500	ND<500		---
MW-9		12/30/98	166.20	15.61	---	150.59	83000	860	1300	2400	21000	180		---
MW-9		2/2/99	166.20	12.33	---	153.87	75000	530	960	1900	17000	ND<50		---
MW-9		5/10/99	166.20	15.67	---	150.53	22000	600	1500	1100	4400	72		---
MW-9		8/24/99	166.20	19.10	---	147.10	85000	850	1300	1700	20000	ND<250		---
MW-9		11/3/99	166.20	19.58	---	146.62	72000	700	780	1900	19000	ND<5.0		---
MW-9		3/1/00	166.20	13.19	---	153.01	34000	78	490	1100	8200	63		---
MW-9		4/21/00	166.20	14.29	---	151.91	55000	260	920	1500	16000	ND<5.0		---
MW-9		7/31/00	166.20	15.01	---	151.19	1200000	1500	6300	15000	120000	1600		---
MW-9		11/20/00	166.20	18.23	---	147.97	320000	3500	19000	5000	40000	3900		---
MW-9		2/18/01	166.20	13.14	---	153.06	32000	290	417	1180	10400	121		---

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-9	6/7/01	166.20	17.41	---	148.79	96000	421	704	2330	17300	223		---
MW-9	9/5/01	166.20	20.56	---	145.64	39000	445	323	1240	8940	310		---
MW-9	11/30/01	166.20	17.42	---	148.78	60000	310	586	1890	14200	285		---
MW-9	2/20/02	166.20	13.87	---	152.33	14000	64	122	897	2650	293		---
MW-9	6/20/02	166.20	18.22	---	147.98	29000	307	168	1100	5670	208		---
MW-9	9/11/02	166.20	20.27	---	145.93	230000	1400	680	3600	23000	ND<2500		---
MW-9	**11/12/02**	**166.20**	**19.40**	**SHEEN**	**146.80**	**840**	**5.8**	**3.6**	**28**	**160**	**21**		**---**
MW-10	3/7/91	167.01	18.09	---	148.92	1.6	120	190	32	230	---		---
MW-10	6/27/91	167.01	---	---	---	12000	7300	500	150	300	---		---
MW-10	9/27/91	167.01	---	---	---	57	12000	7200	1400	4600	---		---
MW-10	12/18/91	167.01	---	---	---	5.3	2500	120	36	79	---		---
MW-10	4/1/91	167.01	13.92	---	153.09	ND	ND	ND	ND	ND	---		---
MW-10	7/3/92	167.01	19.92	---	147.09	8600	5100	1300	180	690	---		---
MW-10	10/5/92	167.01	21.92	0.19	145.23	---	---	---	---	---	---		---
MW-10	1/13/93	167.01	14.43	0.03	152.60	---	---	---	---	---	---		---
MW-10	4/23/93	167.01	15.26	0.06	151.80	---	---	---	---	---	---		---
MW-10	7/12/93	167.01	19.78	0.45	147.57	---	---	---	---	---	---		---
MW-10	10/21/93	167.01	22.90	0.69	144.63	---	---	---	---	---	---		---
MW-10	1/21/94	167.01	20.25	0.06	146.81	---	---	---	---	---	---		---
MW-10	4/20/94	167.01	20.74	---	146.27	100000	12000	24000	2400	14000	1577	(d)(i)	1.0
MW-10	8/1/94	167.01	22.00	0.28	145.22	---	---	---	---	---	---		---
MW-10	12/23/94	167.01	16.08	0.25	151.12	---	---	---	---	---	---		---
MW-10	1/26/95	167.01	13.68	0.80	153.93	---	---	---	---	---	---		---
MW-10	6/8/95	167.01	19.08	0.75	148.49	---	---	---	---	---	---		---
MW-10	8/22/95	167.01	20.73	0.70	146.81	---	---	---	---	---	---		---
MW-10	10/27/95	167.01	21.69	0.63	145.79	---	---	---	---	---	---		---
MW-10	1/25/96	167.01	15.05	0.81	152.57	---	---	---	---	---	---		---
MW-10	4/19/96	167.01	16.26	0.58	151.19	---	---	---	---	---	---		---
MW-10	7/23/96	167.01	20.18	0.62	147.30	---	---	---	---	---	---		---
MW-10	11/11/96	167.01	21.20	0.20	145.96	---	---	---	---	---	---		---
MW-10	1/21/97	167.01	13.66	0.14	153.46	---	---	---	---	---	---		---
MW-10	4/29/97	167.01	18.71	0.21	148.46	---	---	---	---	---	---		---
MW-10	4/30/97	167.01	---	---	---	170000	9700	38000	4700	30500	ND<5000		5.6
MW-10	8/21/97	167.01	20.19	0.14	146.93	170000	9500	35000	4300	27100	ND<5000		5.3

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		11/5/97	167.01	20.52	0.02	146.51	80000	3800	12000	2700	15700	ND<500		4.4
MW-10		2/3/98	167.01	10.62	0.01	156.40	—	—	—	—	—	—		—
MW-10		2/4/98	—	—	—	—	72000	500	1300	1700	12000	ND<1000		5.1
MW-10		5/28/98	167.01	15.46	—	151.55	220000	3200	24000	5200	43000	ND<1000		4.8
MW-10		12/30/98	167.01	16.65	—	150 36	110000	3500	14000	5800	50000	ND<50		—
MW-10		2/2/99	167.01	14.58	—	152.43	74000	1000	2800	1000	26000	860		—
MW-10		5/10/99	167.01	15.72	—	151.29	81000	2800	2800	3000	17000	220		—
MW-10		8/24/99	167.01	19.85	—	147.16	54000	3500	3800	1500	9100	ND<250		—
MW-10		11/3/99	167.01	20.00	—	147.01	30000	3000	3500	1200	5000	31		—
MW-10		3/1/00	167.01	14.62	—	152.39	62000	320	1200	1100	26000	4400		—
MW-10		4/21/00	167.01	15.46	—	151.55	88000	2700	7400	3700	35000	2400		—
MW-10	(e)	7/31/00	167.01	—	—	—	—	—	—	—	—	—		—
MW-10		11/20/00	167.01	18.74	—	148.27	78000	3800	5500	2800	13000	450		—
MW-10		2/18/01	167.01	14.10	—	152.91	39000	1050	1160	1550	14700	4180		—
MW-10		6/7/01	167.01	18.78	—	148.23	76000	2460	2840	3330	20700	635		—
MW-10		9/5/01	167.01	21.40	0.01	145.62	25000	2510	2070	1090	4540	189		—
MW-10		11/30/01	167.01	18.50	—	148.51	100000	2480	5720	3890	22800	325		—
MW-10		2/20/02	167.01	14.39	—	152.62	49000	2170	3070	1960	12300	1090		—
MW-10		6/20/02	167.01	18.80	—	148.21	44000	2040	3050	1690	8430	224		—
MW-10		9/11/02	167.01	20.52	—	146.49	28000	1200	2700	1400	6800	ND<250		—
MW-10	**(j)**	**11/12/02**	**167.01**	**20.37**	**0.07**	**146.64**	—	—	—	—	—	—		—
RW-1		7/9/90	168.01	—	1.21	—	—	—	—	—	—	—		—
RW-1		12/21/90	168.01	—	0.01	—	—	—	—	—	—	—		—
RW-1		3/7/91	168.01	17.62	SHEEN	150.39	—	—	—	—	—	—		—
RW-1		6/27/91	168.01	—	0.04	—	—	—	—	—	—	—		—
RW-1		9/27/91	168.01	—	0.02	—	—	—	—	—	—	—		—
RW-1		12/18/91	168.01	—	0.02	—	—	—	—	—	—	—		—
RW-1		4/1/91	168.01	14.40	0.11	153.69	—	—	—	—	—	—		—
RW-1		7/3/92	168.01	20.66	SHEEN	147.35	—	—	—	—	—	—		—
RW-1		10/5/92	168.01	23.34	0.08	144.73	—	—	—	—	—	—		—
RW-1		1/13/93	168.01	16.59	0.05	151.46	—	—	—	—	—	—		—
RW-1		4/23/93	168.01	16.17	0.18	151.98	—	—	—	—	—	—		—
RW-1		7/12/93	168.01	20.18	0.06	147.88	—	—	—	—	—	—		—
RW-1		10/21/93	168.01	25.70	0.56	142.73	—	—	—	—	—	—		—
RW-1		1/21/94	168.01	21.24	0.40	147.07	—	—	—	—	—	—		—
RW-1		4/20/94	168.01	32.20	—	135.81	—	—	—	—	—	—		—
RW-1		8/1/94	168 01	21.70	—	146.31	29000	580	950	300	7800	1200	(d)	1.1

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		12/23/94	168.01	16.02		—	151.99	1300	25	8.6	1.4	69	616	(i)	1.8
RW-1		1/26/95	168.01	13.78		---	154.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—		—
QC-1	(c)	1/26/95	---	—		---	—	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	—		---
RW-1		6/8/95	168.01	20.05		—	147.96	1300	130	ND<1.0	ND<1.0	36	—		---
RW-1		8/22/95	168.01	21.74		—	146.27	3300	230	13	4.9	280	ND<25	(d)	6 6
QC-1	(c)	8/22/95	---	—		---	—	2800	210	9.3	4.3	250	ND<25	(d)	—
RW-1		10/27/95	168.01	32.00		---	136.01	---	—	---	—	—	—		—
RW-1		10/30/95	168.01	—		—	—	230	1.4	ND<1.0	ND<1.0	ND<2.0	650		6.9
QC-1	(c)	10/30/95	—	---		—	---	240	1.6	ND<1.0	ND<1.0	ND<2.0	630		---
RW-1		1/25/96	168.01	15.41		—	152.60	15000	3400	930	330	2500	5300		—
RW-1		4/19/96	168.01	16.83		---	151.18	35000	5500	3300	1700	9400	14000		7.6
QC-1	(c)	4/19/96	---	—		---	—	33000	5600	3200	1700	8800	15000		—
RW-1		7/23/96	168.01	20.76		—	147.25	46000	3600	2300	900	5100	36000		7.4
QC-1	(c)	7/23/96	—	---		—	—	47000	3700	2500	930	5300	35000		---
RW-1		11/11/96	168.01	21.73		—	146.28	34000	3000	1200	880	4600	22000		8.3
QC-1	(c)	11/11/96	—	—		—	---	31000	2900	1000	860	4600	22000		---
RW-1		1/21/97	168.01	14.20		---	153.81	260	40	16	2.7	34	1500		6.1
QC-1	(c)	1/21/97	—	—		---	—	270	42	17	2.7	36	1500		---
RW-1		4/29/97	168.01	19.15		—	148.86	32000	3100	590	1300	6000	46000		5.3
RW-1		8/21/97	168.01	20.67		—	147.34	7600	730	58	370	1780	9500		4.7
RW-1		11/5/97	168.01	21.01		—	147.00	39000	2300	86	1300	3840	56000		4.5
RW-1		2/3/98	168.01	10.68		---	157.33	3400	31	11	29	161	3200		5.1
RW-1		5/28/98	168.01	15.55		—	152.46	2000	90	15	60	305	2700		4.3
RW-1		12/30/98	168.01	17.35		—	150.66	—	---	---	---	---	---		---
RW-1		2/2/99	168.01	14.58		---	153.43	82000	2300	120	2000	3200	51000/78000	(g)	---
RW-1		5/10/99	168.01	16.00		---	152.01	15000	620	88	340	660	61000		---
RW-1		8/24/99	168.01	20.00		---	148.01	52000	1400	170	2200	2900	37000		---
RW-1		11/3/99	168.01	20.39		---	147.62	17000	2500	86	1500	970	54000		---
RW-1		3/1/00	168.01	12.97		---	155.04	17000	580	78	790	1100	13000		---
RW-1		4/21/00	168.01	16 02		---	151.99	31000	2100	100	1400	1100	39000		---
RW-1		7/31/00	168.01	21.89		---	146.12	47000	1300	170	2700	2300	30000		---
RW-1	(h)	11/20/00	168.01	19.15		---	148.86	---	---	---	---	---	---		---
RW-1		2/18/01	168.01	15.35		---	152.66	14000	589	89	600	712	13000		---
RW-1		6/7/01	168.01	19.09		---	148.92	28000	1140	68.2	504	530	19100		---
RW-1	(j)	9/5/01	168.01	22.06		0.02	145.97	---	---	---	---	---	---		---
RW-1		11/30/01	168.01	19.53		---	148.48	20000	405	39.4	545	740	8260		---
RW-1		2/20/02	168.01	15.99		---	152.02	13000	469	29	434	655	7240		---
RW-1	(j)	6/20/02	168.01	19.31	(l)	—	---	---	---	---	---	---	---		---

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	(j)	9/11/02	168.01	21.07	0.03	146.96	---	---	---	---	---	---		---
RW-1	**(j)**	**11/12/02**	**168.01**	**20.92**	**0.02**	147.11	---	---	---	---	---	---		---
QC-2	(f)	10/5/92	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	1/13/93	---	---	---	---	ND<50	ND<0.5	ND<0 5	ND<0.5	ND<0.5	---	(i)	---
QC-2	(f)	4/23/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(i)	---
QC-2	(f)	7/12/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	10/21/93	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	1/21/94	---	---	---	---	ND<50	ND<0.5	2.1	ND<0.5	2.1	---		---
QC-2	(f)	4/20/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	4/20/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	12/23/94	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---
QC-2	(f)	1/26/95	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---
QC-2	(f)	6/8/95	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---
QC-2	(f)	8/22/95	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	(d)	---
QC-2	(f)	10/30/95	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---
QC-2	(f)	1/25/96	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0 50	ND<1.0	ND<5.0		---
QC-2	(f)	4/19/96	---	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station
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
PACE	Pace, Inc.
ANA	Anametrix, Inc.
ATI	Analytical Technologies, Inc.
CEI	Ceimic Corporation
SPL	Southern Petroleum Laboratories

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.

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

EXPLANATION

- Existing monitoring well location
- Proposed monitoring well location
- Groundwater recovery well location
- GRADIENT 0.005 — Groundwater gradient (ft/ft)
- XX.XX — Groundwater elevation contour in feet above MSL, dashed where inferred
- Well — Well designation
- ELEV — Groundwater elevation (MSL)
- TPH-g, Benzene, MTBE — TPH-g, Benzene and MTBE concentrations are in micrograms per liter (µg/L)

N

0 15 30 60

Scale (ft)

MW-6
146.62
NS
NS
NS

MW-3
147.33
NS
NS
NS

MW-9
146.80
840
5.8
21

MW-1
147.40
NS
NS
NS

MW-4
148.14
NS
NS
NS

RW-1
147.11
NS
NS
NS

MW-2
146.80
46,000
4,100
1,900

MW-8
146.59
420
6.4
31

MW-10
146.64
NS
NS
NS

MW-7
146.48
NS
NS
NS

MW-5
146.13
390
55
210

MW-11

MW-12

147.00
147.5
148.0
146.5

GRADIENT 0.005

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

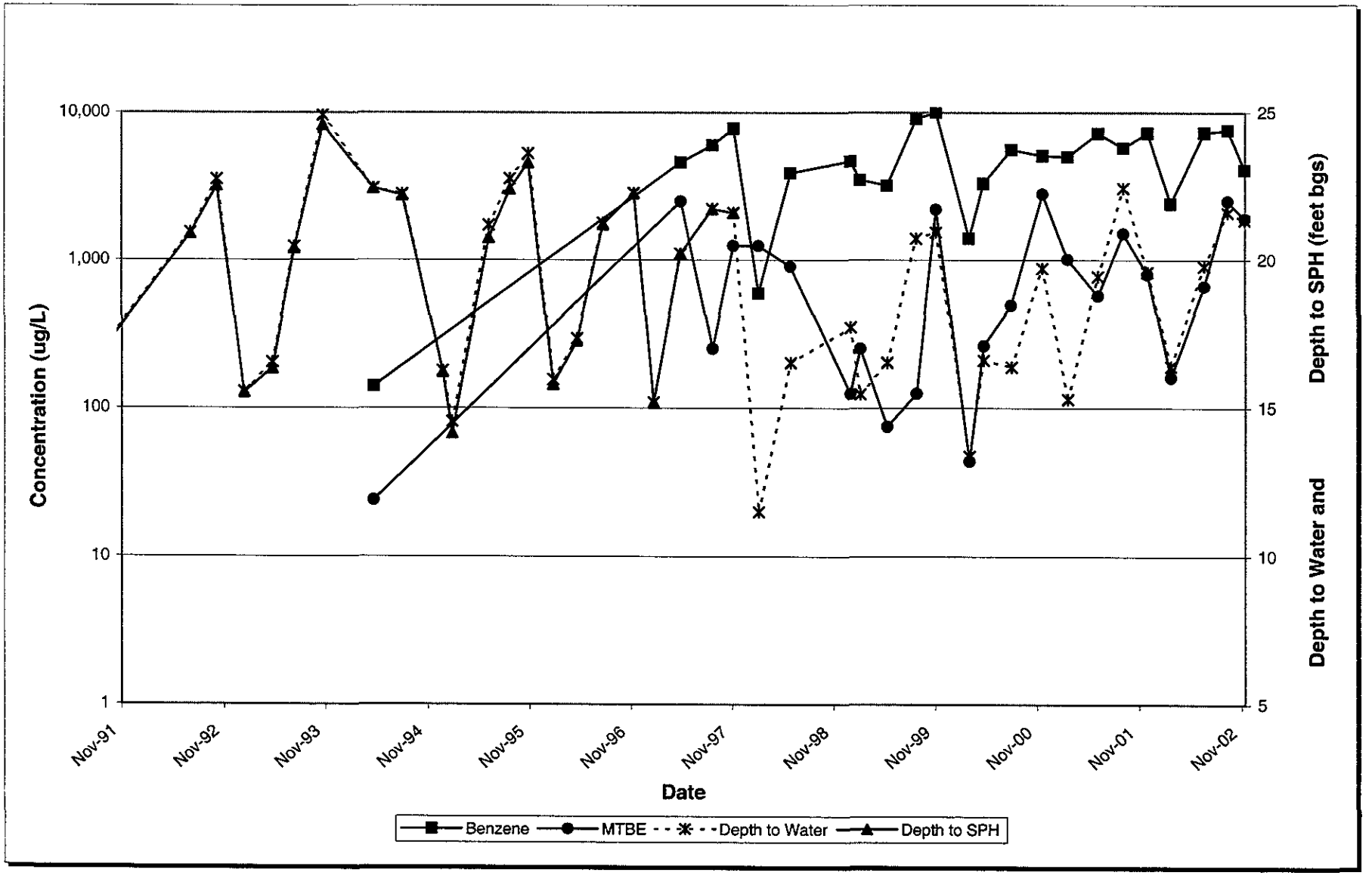
URS	Project No. 38485986 Former BP Service Station #11132 3201 35th Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Fourth Quarter 2002 (November 12, 2002)	FIGURE 1

X:\x env\ waste\BP GEM\Sites\LNites Sites\1111.32\Reports\Monitoring\Qtr.4, 2002\GWEC-AS_11-12.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 # 021112-BA2 Date 11/12/02 Client BP 11132

Site 3201 35th Ave, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	SPH	22.28	.37	236.8	22.65	44.26	TOC	
MW-2	2					21.34	31.45		
MW-3	2					19.84	34.22		
MW-4	2					22.22	38.98		
MW-5	2					19.01	30.43		
MW-6	2					18.78	34.35		
MW-7	2					21.13	34.30		
MW-8	2	odor/ sheen				19.15	34.00		
MW-9	2	odor/ sheen				19.40	29.25		
MW-10	2	SPH	20.30	.07	44.8	20.37	33.84		
RW-1	6	SPH	20.90	.02	117.6	20.92	38.37		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 021112-BA2	Station # 11132
Sampler: Brian Allord	Date: 11/12/02
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth:	Depth to Water: 22.65
Depth to Free Product: 22.28	Thickness of Free Product (feet): .37
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	=	Calculated Volume
—	x	SPH	=	— Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
SPH Encountered – Samples Not Taken					
		Bailed ~ 2368 mL			

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 #: 021112-BA2	Station # 11132
Sampler: Brian Allcorn	Date: 11/12/02
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 31.45	Depth to Water: 21.34
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.

1.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 4.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1620	67.8	7.7	2009	1.5	very cloudy gray odor/sheen
1622	68.0	7.0	2054	3.0	semi-cloudy gray odor/sheen
1624	67.7	6.9	2040	4.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Time: 1630 Sampling Date: 11/12/02

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

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other: Oxygenates, 1,2-DCA, EDB, 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 #: 021112-BA2	Station # 11132
Sampler: Brian Allord	Date: 11/12/02
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.43	Depth to Water: 19.01
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.

1.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1355	69.7	7.5	1206	1.75	very cloudy gray mild odor
1358	69.0	7.1	1206	3.5	"
1401	68.7	7.0	1212	5.25	"

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Time: 1405 Sampling Date: 11/12/02

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

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other: Oxygenates, 1,2-DCA, EDB, 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 #: 021112-BA2	Station # 11132
Sampler: Brian Allcorn	Date: 11/12/02
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.00	Depth to Water: 19.15
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	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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1425	67.4	7.5	1546	2.5	very cloudy gray strong odor/sheen
1428	67.3	7.0	1561	5.0	"
1431	67.1	6.9	1559	7.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 8

Sampling Time: 1435 Sampling Date: 11/12/02

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

Analyzed for: (TPH-G) BTEX (MTBE) TPH-D Other: Oxygenates, 1,2-DCA, EDB, 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 #: 021112-BA2	Station # 11132
Sampler: Brian Allcorn	Date: 11/12/02
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.95	Depth to Water: 19.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	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.

1.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1455	69.8	7.7	1111	1.75	very cloudy gray strong odor / sheen
1457	68.8	7.2	1114	3.5	"
1459	67.8	7.2	1115	5.25	"

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Time: 1505 Sampling Date: 11/12/02

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

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: Oxygenates, 1,2-DCA, EDB, 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 #: 021112-BA2	Station # 11132
Sampler: Brian Allord	Date: 11/12/02
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.84	Depth to Water: 20.37
Depth to Free Product: 20.30	Thickness of Free Product (feet): .07
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	=	Calculated Volume
—		SPH		— Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
SPH	Encountered - Samples not Taken				
		Bailed ~ 44.8 mL			

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 #: 021112-BA2	Station # 11132
Sampler: Brian Allcorn	Date: 11/12/02
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 38.37	Depth to Water: 20.92
Depth to Free Product: 20.90	Thickness of Free Product (feet): .02
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	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 SPH (Specified Volumes) = ___ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
SPH	Encountered	- Samples	not Taken		
			Bailed ~	117.6 mL	

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

Chain of Custody Record

bp

Project Name
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 11/12/02 Requested Due Date (mm/dd/yy) Standard

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

Send To:	
Lab Name:	SEQUOIA
Lab Address:	885 Jarvis Dr.
	Morgan Hill, CA 95037
Lab PM:	Latonya Pelt
Tele/Fax:	408-776-9600 / 408-782-6308
Report Type & QC Level:	Send EDF Reports
BP/GEM Account No.:	400-6-21124

BP/GEM Facility No.:	
BP/GEM Facility Address:	3201 35TH AVENUE, OAKLAND, CA
Site ID No.	11132
Site Lat/Long:	
California Global ID #:	T0600100213
BP/GEM PM Contact:	Scott Hooton
Address:	
Tele/Fax:	

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:	510-874-3101 / 510-874-3268
Consultant/Contractor PM:	Robert Horwath
Invoice to:	Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Work Release No:	

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	Requested Analysis: TPH –D (8015)	Requested Analysis: MTBE (8021)	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	~~1405~~ 1630		X				6				X	X		X	X	X	X	
2	MW-5	1405		X				6				X	X		X	X	X	X	
3	MW-8	1435		X				6				X	X		X	X	X	X	
4	MW-9	1505		X				6				X	X		X	X	X	X	
5																			
6																			
7																			
8																			
9																			
10																			

Sampler's Name:	Brian Alcorn	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Blaine Tech Services						
Shipment Date:							
Shipment Method:							
Shipment Tracking No:							

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

Custody Seals In Place Yes___ No___ Temperature Blank Yes___ No___ Cooler Temperature on Receipt ___ °F/C Trip Blank Yes___ No___

WELLHEAD INSPECTION CHECKLIST

Client BP Date 11/12/02

Site Address 3201 35th Ave, OAKLAND

Job Number 021112-BA2 Technician BRIAN ALLGOOD

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	X							
MW-2	X							
MW-3	X							
MW-4	X							
MW-5		X						
MW-6	X							
MW-7	X							
MW-8	~~X~~ NO			X				
MW-9				X				
MW-10	X							
RW-1	X							

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:

23

added equip. rinse water 7

any other adjustments

TOTAL GALS. RECOVERED 30

loaded onto BTS vehicle # 14

BTS event # 021112-BA2

time 1645

date 11/12/02

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

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

18 December, 2002

Robert Horwath
URS Corporation
500 12th Street, Suite 100
Oakland, CA 94607

RE: BP Heritage Site #11132, Oakland, CA
Sequoia Work Order: MLK0476

Enclosed are the results of analyses for samples received by the laboratory on 11/13/02 14:30. 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	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MLK0476-01	Water	11/12/02 16:30	11/13/02 14:30
MW-5	MLK0476-02	Water	11/12/02 14:05	11/13/02 14:30
MW-8	MLK0476-03	Water	11/12/02 14:35	11/13/02 14:30
MW-9	MLK0476-04	Water	11/12/02 15:05	11/13/02 14:30

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

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MLK0476-01) Water Sampled: 11/12/02 16:30 Received: 11/13/02 14:30									
Gasoline Range Organics (C6-C10)	**46000**	5000	ug/l	100	2K26003	11/26/02	11/26/02	8015Bm/8021B	HC-21
Benzene	**4100**	50	"	"	"	"	"	"	
Toluene	**4300**	50	"	"	"	"	"	"	
Ethylbenzene	**1900**	50	"	"	"	"	"	"	
Xylenes (total)	**10000**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1900**	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*135 %*	*55-142*		"	"	"	"	
MW-5 (MLK0476-02) Water Sampled: 11/12/02 14:05 Received: 11/13/02 14:30									
Gasoline Range Organics (C6-C10)	**390**	50	ug/l	1	2K25002	11/25/02	11/25/02	8015Bm/8021B	HC-21
Benzene	**55**	0.50	"	"	"	"	"	"	
Toluene	**0.89**	0.50	"	"	"	"	"	"	
Ethylbenzene	**3.4**	0.50	"	"	"	"	"	"	
Xylenes (total)	**3.5**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**210**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*55-142*		"	"	"	"	
MW-8 (MLK0476-03) Water Sampled: 11/12/02 14:35 Received: 11/13/02 14:30									
Gasoline Range Organics (C6-C10)	**420**	50	ug/l	1	2K25002	11/25/02	11/26/02	8015Bm/8021B	HC-21
Benzene	**6.4**	0.50	"	"	"	"	"	"	
Toluene	**2.9**	0.50	"	"	"	"	"	"	
Ethylbenzene	**16**	0.50	"	"	"	"	"	"	
Xylenes (total)	**110**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**31**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.8 %*	*55-142*		"	"	"	"	

Sequoia Analytical

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www.sequoialabs.com

URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MLK0476-04) Water Sampled: 11/12/02 15:05 Received: 11/13/02 14:30									
Gasoline Range Organics (C6-C10)	**840**	50	ug/l	1	2K25002	11/25/02	11/26/02	8015Bm/8021B	HC-21
Benzene	**5.8**	0.50	"	"	"	"	"	"	
Toluene	**3.6**	0.50	"	"	"	"	"	"	
Ethylbenzene	**28**	0.50	"	"	"	"	"	"	
Xylenes (total)	**160**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**21**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.2 %*	*55-142*		"	"	"	"	

Sequoia Analytical

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URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MLK0476-01) Water Sampled: 11/12/02 16:30 Received: 11/13/02 14:30									
Ethanol	ND	4000	ug/l	100	2K26008	11/26/02	11/26/02	EPA 8260B	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	O-09
Methyl tert-butyl ether	**1200**	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	**110**	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*78-129*		"	"	"	"	
MW-5 (MLK0476-02) Water Sampled: 11/12/02 14:05 Received: 11/13/02 14:30									
Ethanol	ND	200	ug/l	5	2K26008	11/26/02	11/26/02	EPA 8260B	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	O-09
Methyl tert-butyl ether	**160**	2.5	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*78-129*		"	"	"	"	
MW-8 (MLK0476-03) Water Sampled: 11/12/02 14:35 Received: 11/13/02 14:30									
Ethanol	ND	10000	ug/l	250	2K26008	11/26/02	11/26/02	EPA 8260B	
tert-Butyl alcohol	ND	5000	"	"	"	"	"	"	O-09
Methyl tert-butyl ether	**2700**	120	"	"	"	"	"	"	
Di-isopropyl ether	ND	120	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	120	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	120	"	"	"	"	"	"	
1,2-Dichloroethane	ND	120	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	120	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MLK0476-04) Water Sampled: 11/12/02 15:05 Received: 11/13/02 14:30									
Ethanol	ND	2000	ug/l	50	2K26008	11/26/02	11/26/02	EPA 8260B	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	O-09
Methyl tert-butyl ether	**220**	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*78-129*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2K25002 - EPA 5030B [P/T]										
Blank (2K25002-BLK1)				Prepared & Analyzed: 11/25/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.47*		"	*10.0*		*94.7*	*55-142*			
Laboratory Control Sample (2K25002-BS1)				Prepared & Analyzed: 11/25/02						
Gasoline Range Organics (C6-C10)	120	50	ug/l				62-134			
Benzene	8.73	0.50	"	10.0		87.3	68-140			
Toluene	8.91	0.50	"	10.0		89.1	76-127			
Ethylbenzene	9.49	0.50	"	10.0		94.9	77-130			
Xylenes (total)	27.3	0.50	"	30.0		91.0	78-128			
Surrogate: a,a,a-Trifluorotoluene	*10.2*		"	*10.0*		*102*	*55-142*			
Laboratory Control Sample (2K25002-BS2)				Prepared & Analyzed: 11/25/02						
Gasoline Range Organics (C6-C10)	262	50	ug/l	250		105	62-134			
Surrogate: a,a,a-Trifluorotoluene	*9.04*		"	*10.0*		*90.4*	*55-142*			
Matrix Spike (2K25002-MS1)		**Source: MLK0383-03**		Prepared & Analyzed: 11/25/02						
Gasoline Range Organics (C6-C10)	595	50	ug/l	550	140	82.7	62-134			
Benzene	9.56	0.50	"	6.60	ND	145	68-140			QM-07
Toluene	33.4	0.50	"	39.7	ND	84.1	76-127			
Ethylbenzene	8.22	0.50	"	9.20	ND	89.3	77-130			
Xylenes (total)	38.7	0.50	"	46.1	ND	83.9	78-128			
Surrogate: a,a,a-Trifluorotoluene	*9.31*		"	*10.0*		*93.1*	*55-142*			

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URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2K25002 - EPA 5030B [P/T]										
Matrix Spike Dup (2K25002-MSD1)		**Source: MLK0383-03**		Prepared & Analyzed: 11/25/02						
Gasoline Range Organics (C6-C10)	634	50	ug/l	550	140	89.8	62-134	6.35	41	
Benzene	9.54	0.50	"	6.60	ND	145	68-140	0.209	30	QM-07
Toluene	33.4	0.50	"	39.7	ND	84.1	76-127	0.00	30	
Ethylbenzene	7.94	0.50	"	9.20	ND	86.3	77-130	3.47	21	
Xylenes (total)	39.3	0.50	"	46.1	ND	85.2	78-128	1.54	21	
Surrogate: a,a,a-Trifluorotoluene	*9.43*		"	*10.0*		*94.3*	*55-142*			
Batch 2K26003 - EPA 5030B [P/T]										
Blank (2K26003-BLK1)				Prepared & Analyzed: 11/26/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.98*		"	*10.0*		*99.8*	*55-142*			
Laboratory Control Sample (2K26003-BS1)				Prepared & Analyzed: 11/26/02						
Benzene	10.3	0.50	ug/l	10.0		103	68-140			
Toluene	10.6	0.50	"	10.0		106	76-127			
Ethylbenzene	10.7	0.50	"	10.0		107	77-130			
Xylenes (total)	32.2	0.50	"	30.0		107	78-128			
Surrogate: a,a,a-Trifluorotoluene	*10.9*		"	*10.0*		*109*	*55-142*			
Laboratory Control Sample (2K26003-BS2)				Prepared & Analyzed: 11/26/02						
Gasoline Range Organics (C6-C10)	250	50	ug/l	250		100	62-134			
Surrogate: a,a,a-Trifluorotoluene	*11.8*		"	*10.0*		*118*	*55-142*			

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URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2K26003 - EPA 5030B [P/T]										
Matrix Spike (2K26003-MS1)		**Source: MLK0542-05**		Prepared & Analyzed: 11/26/02						
Gasoline Range Organics (C6-C10)	475	50	ug/l	550	ND	86.4	62-134			
Benzene	9.53	0.50	"	6.60	ND	143	68-140			QM-07
Toluene	43.3	0.50	"	39.7	ND	109	76-127			
Ethylbenzene	9.26	0.50	"	9.20	ND	101	77-130			
Xylenes (total)	46.6	0.50	"	46.1	ND	101	78-128			
Surrogate: a,a,a-Trifluorotoluene	*18.2*		"	*10.0*		*182*	*55-142*			*QM-07*
Matrix Spike Dup (2K26003-MSD1)		**Source: MLK0542-05**		Prepared & Analyzed: 11/26/02						
Gasoline Range Organics (C6-C10)	490	50	ug/l	550	ND	89.1	62-134	3.11	41	
Benzene	8.71	0.50	"	6.60	ND	130	68-140	8.99	30	
Toluene	40.5	0.50	"	39.7	ND	102	76-127	6.68	30	
Ethylbenzene	8.70	0.50	"	9.20	ND	94.6	77-130	6.24	21	
Xylenes (total)	42.8	0.50	"	46.1	ND	92.8	78-128	8.50	21	
Surrogate: a,a,a-Trifluorotoluene	*15.4*		"	*10.0*		*154*	*55-142*			*QM-07*

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URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

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 2K26008 - EPA 5035										
Blank (2K26008-BLK1)				Prepared & Analyzed: 11/26/02						
Ethanol	ND	40	ug/l							
tert-Butyl alcohol	ND	20	"							O-09
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	"							
Surrogate: 1,2-Dichloroethane-d4	*4.60*		"	*5.00*		*92.0*	*78-129*			
Laboratory Control Sample (2K26008-BS1)				Prepared & Analyzed: 11/26/02						
Methyl tert-butyl ether	7.30	0.50	ug/l	10.0		73.0	63-137			
Surrogate: 1,2-Dichloroethane-d4	*4.97*		"	*5.00*		*99.4*	*78-129*			
Laboratory Control Sample (2K26008-BS2)				Prepared & Analyzed: 11/26/02						
Methyl tert-butyl ether	8.35	0.50	ug/l	8.40		99.4	63-137			
Surrogate: 1,2-Dichloroethane-d4	*4.91*		"	*5.00*		*98.2*	*78-129*			
Laboratory Control Sample Dup (2K26008-BSD1)				Prepared: 11/26/02 Analyzed: 11/27/02						
Methyl tert-butyl ether	11.8	0.50	ug/l	10.0		118	63-137	47.1	13	QR-02
Surrogate: 1,2-Dichloroethane-d4	*4.81*		"	*5.00*		*96.2*	*78-129*			
Laboratory Control Sample Dup (2K26008-BSD2)				Prepared: 11/26/02 Analyzed: 11/27/02						
Methyl tert-butyl ether	8.22	0.50	ug/l	8.40		97.9	63-137	1.57	13	
Surrogate: 1,2-Dichloroethane-d4	*4.59*		"	*5.00*		*91.8*	*78-129*			

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URS Corporation	Project: BP Heritage Site #11132, Oakland, CA	MLK0476
500 12th Street, Suite 100	Project Number: BP Heritage Site #11132, Oaklnad, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	12/18/02 09:23

Notes and Definitions

HC-21	Chromatogram Pattern: Gasoline C6-C10
O-09	The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

MLK0476

Project Name

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Date: 11/12/02

Requested Due Date (mm/dd/yy) Standard

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

Send To:	
Lab Name: SEQUOIA	
Lab Address: 885 Jarvis Dr.	
Morgan Hill, CA 95037	
Lab PM: Latonya Pelt	
Tele/Fax: 408-776-9600 / 408-782-6308	
Report Type & QC Level: Send EDF Reports	
BP/GEM Account No.: 400-6-21124	

BP/GEM Facility No.:	
BP/GEM Facility Address:	3201 35TH AVENUE, OAKLAND, CA
Site ID No.	11132
Site Lat/Long:	
California Global ID #:	T0600100213
BP/GEM PM Contact:	Scott Hooton
Address:	
Tele/Fax:	

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:	510-874-3101 / 510-874-3268
Consultant/Contractor PM:	Robert Horwath
Invoice to: Consultant/Contractor or	BP/GEM (Circle one)
BP/GEM Work Release No:	

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G/BTEX (8015/8021)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	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	1630		X			01	6				X	X		X	X	X	X	
2	MW-5	1405		X			02	6				X	X		X	X	X	X	
3	MW-8	1435		X			03	6				X	X		X	X	X	X	
4	MW-9	1505		X			04	6				X	X		X	X	X	X	
5																			
6																			
7																			
8																			
9																			
10																			

Sampler's Name:	Bruce Acuna	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation
Sampler's Company:	Blaine Tech Services		11/13/02	1121	
Shipment Date:			11/13/02	1430	
Shipment Method:					
Shipment Tracking No:					

Accepted By / Affiliation	Date	Time	
	11/13/02	1121	
	11/13	14:30	

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 ___

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): HT
WORKORDER: M1K0476

DATE Received at Lab: 11/13
TIME Received at Lab: 14:30
LOG IN DATE: 11-15-02

Drinking water for regulatory purposes: YES / (NO)
Wastewater for regulatory purposes: YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	#	CLIENT ID	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / (Absent)			MW2	6 VOA HCl	W	11/12	
	Intact / Broken*			MW5	↓	↓	↓	
2. Chain-of-Custody	(Present) / Absent*			MW8				
3. Traffic Reports or Packing List:	Present / (Absent)			MW9				
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*							
10. Sample received within hold time:	(Yes) / No*							
11. Proper Preservatives used:	(Yes) / No*							
12. Temp Rec. at Lab: 3°C (Acceptance range for samples requiring thermal pres.:4+/-2°C)	(Yes) / No**							
**Exception (if any):								

11/13 HT

*If Circled, contact Project Manager and attach record of resolution.

Sample Receipt Log
Revision 2.2 (04/11/02)
Replaces Revision 2.1 (11/10/00)
Effective 04/15/02

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

01/24/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage Site #11132,
Work Order Number:	MLK0476
Global ID:	T0600100213
Lab Report Number:	MLK0476121920021022

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MLK04761219200 21022	MW-2	MLK047601	W	CS	8260+OX	SW5035	11/12/02	11/26/02	11/26/02	2K26008	1	
MLK04761219200 21022	MW-2	MLK047601	W	CS	SW8021F	SW5030B	11/12/02	11/26/02	11/26/02	2K26003	1	
MLK04761219200 21022	MW-5	MLK047602	W	CS	8260+OX	SW5035	11/12/02	11/26/02	11/26/02	2K26008	1	
MLK04761219200 21022	MW-5	MLK047602	W	CS	SW8021F	SW5030B	11/12/02	11/25/02	11/25/02	2K25002	1	
MLK04761219200 21022	MW-8	MLK047603	W	CS	8260+OX	SW5035	11/12/02	11/26/02	11/26/02	2K26008	1	
MLK04761219200 21022	MW-8	MLK047603	W	CS	SW8021F	SW5030B	11/12/02	11/25/02	11/26/02	2K25002	1	
MLK04761219200 21022	MW-9	MLK047604	W	CS	8260+OX	SW5035	11/12/02	11/26/02	11/26/02	2K26008	1	
MLK04761219200 21022	MW-9	MLK047604	W	CS	SW8021F	SW5030B	11/12/02	11/25/02	11/26/02	2K25002	1	
		MLK038303	W	NC	SW8021F	SW5030B	/ /	11/25/02	11/25/02	2K25002	1	
		MLK054205	W	NC	SW8021F	SW5030B	/ /	11/26/02	11/26/02	2K26003	1	
		2K25002BS1	WQ	BS1	SW8021F	SW5030B	/ /	11/25/02	11/25/02	2K25002	1	
		2K25002BS2	WQ	BS2	SW8021F	SW5030B	/ /	11/25/02	11/25/02	2K25002	1	
		2K25002BLK1	WQ	LB1	SW8021F	SW5030B	/ /	11/25/02	11/25/02	2K25002	1	
		2K25002MS1	W	MS1	SW8021F	SW5030B	/ /	11/25/02	11/25/02	2K25002	1	
		2K25002MSD1	W	SD1	SW8021F	SW5030B	/ /	11/25/02	11/25/02	2K25002	1	
		2K26003BS1	WQ	BS1	SW8021F	SW5030B	/ /	11/26/02	11/26/02	2K26003	1	
		2K26003BS2	WQ	BS2	SW8021F	SW5030B	/ /	11/26/02	11/26/02	2K26003	1	
		2K26003BLK1	WQ	LB1	SW8021F	SW5030B	/ /	11/26/02	11/26/02	2K26003	1	
		2K26003MS1	W	MS1	SW8021F	SW5030B	/ /	11/26/02	11/26/02	2K26003	1	
		2K26003MSD1	W	SD1	SW8021F	SW5030B	/ /	11/26/02	11/26/02	2K26003	1	
		2K26008BSD1	WQ	BD1	8260+OX	SW5035	/ /	11/26/02	11/27/02	2K26008	1	
		2K26008BSD2	WQ	BD2	8260+OX	SW5035	/ /	11/26/02	11/27/02	2K26008	1	
		2K26008BS1	WQ	BS1	8260+OX	SW5035	/ /	11/26/02	11/26/02	2K26008	1	
		2K26008BS2	WQ	BS2	8260+OX	SW5035	/ /	11/26/02	11/26/02	2K26008	1	
		2K26008BLK1	WQ	LB1	8260+OX	SW5035	/ /	11/26/02	11/26/02	2K26008	1	

EDFSAMP: Error Summary Log

01/24/03

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

EDFTEST: Error Summary Log

01/24/03

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

EDFRES: Error Summary Log

01/24/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2K25002MS1	MS1	W	SW8021F	PR	11/25/02	1	AAATFBZME
Warning. extra parameter	2K25002MS1	MS1	W	SW8021F	PR	11/25/02	1	GROC6C10
Warning: extra parameter	2K25002MSD1	SD1	W	SW8021F	PR	11/25/02	1	AAATFBZME
Warning: extra parameter	2K25002MSD1	SD1	W	SW8021F	PR	11/25/02	1	GROC6C10
Warning extra parameter	2K26003MS1	MS1	W	SW8021F	PR	11/26/02	1	AAATFBZME
Warning. extra parameter	2K26003MS1	MS1	W	SW8021F	PR	11/26/02	1	GROC6C10
Warning: extra parameter	2K26003MSD1	SD1	W	SW8021F	PR	11/26/02	1	AAATFBZME
Warning: extra parameter	2K26003MSD1	SD1	W	SW8021F	PR	11/26/02	1	GROC6C10
Warning: extra parameter	MLK038303	NC	W	SW8021F	PR	11/25/02	1	AAATFBZME
Warning: extra parameter	MLK038303	NC	W	SW8021F	PR	11/25/02	1	GROC6C10
Warning: extra parameter	MLK047601	CS	W	SW8021F	PR	11/26/02	1	AAATFBZME
Warning: extra parameter	MLK047601	CS	W	SW8021F	PR	11/26/02	1	GROC6C10
Warning extra parameter	MLK047601	CS	W	SW8021F	PR	11/26/02	1	MTBE
Warning extra parameter	MLK047602	CS	W	SW8021F	PR	11/25/02	1	AAATFBZME
Warning: extra parameter	MLK047602	CS	W	SW8021F	PR	11/25/02	1	GROC6C10
Warning: extra parameter	MLK047602	CS	W	SW8021F	PR	11/25/02	1	MTBE
Warning extra parameter	MLK047603	CS	W	SW8021F	PR	11/26/02	1	AAATFBZME
Warning: extra parameter	MLK047603	CS	W	SW8021F	PR	11/26/02	1	GROC6C10
Warning: extra parameter	MLK047603	CS	W	SW8021F	PR	11/26/02	1	MTBE
Warning extra parameter	MLK047604	CS	W	SW8021F	PR	11/26/02	1	AAATFBZME
Warning extra parameter	MLK047604	CS	W	SW8021F	PR	11/26/02	1	GROC6C10
Warning: extra parameter	MLK047604	CS	W	SW8021F	PR	11/26/02	1	MTBE
Warning. extra parameter	MLK054205	NC	W	SW8021F	PR	11/26/02	1	AAATFBZME
Warning: extra parameter	MLK054205	NC	W	SW8021F	PR	11/26/02	1	GROC6C10
Warning: extra parameter	2K25002BLK1	LB1	WQ	SW8021F	PR	11/25/02	1	AAATFBZME

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2K25002BLK1	LB1	WQ	SW8021F	PR	11/25/02	1	GROC6C10
Warning: extra parameter	2K25002BLK1	LB1	WQ	SW8021F	PR	11/25/02	1	MTBE
Warning: extra parameter	2K25002BS1	BS1	WQ	SW8021F	PR	11/25/02	1	AAATFBZME
Warning. extra parameter	2K25002BS2	BS2	WQ	SW8021F	PR	11/25/02	1	AAATFBZME
Warning: extra parameter	2K25002BS2	BS2	WQ	SW8021F	PR	11/25/02	1	GROC6C10
Warning: extra parameter	2K26003BLK1	LB1	WQ	SW8021F	PR	11/26/02	1	AAATFBZME
Warning: extra parameter	2K26003BLK1	LB1	WQ	SW8021F	PR	11/26/02	1	GROC6C10
Warning: extra parameter	2K26003BLK1	LB1	WQ	SW8021F	PR	11/26/02	1	MTBE
Warning: extra parameter	2K26003BS1	BS1	WQ	SW8021F	PR	11/26/02	1	AAATFBZME
Warning: extra parameter	2K26003BS2	BS2	WQ	SW8021F	PR	11/26/02	1	AAATFBZME
Warning: extra parameter	2K26003BS2	BS2	WQ	SW8021F	PR	11/26/02	1	GROC6C10

EDFQC: Error Summary Log

01/24/03

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

EDFCL: Error Summary Log

01/24/03

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

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Submittal Type: GW Monitoring Report

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