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URS

Environmental Health

FEB 26 2003

Alameda County

February 24, 2003

Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Fourth Quarter 2002 Groundwater Monitoring Report**
Former BP Service Station #11126
1700 Powell Street
Emeryville, California
URS Project #38485985/38486245

Dear Mr. Seery:

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 #11126, located at 1700 Powell Street, Emeryville, 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

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

Attachment: Fourth Quarter 2002 Groundwater Monitoring Report

cc: Mr. Scott Hooton, BP Oil Company, Environmental Resources Management, 295 SW 41st Street, Building 13, Suite N, Renton, Washington 98055-4931
Ms. Liz Sewell, Risk Management and Remediation Group, Conoco Philips, 76 Broadway, Sacramento, California ~~95212~~ 95818
(916) 558-7604

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893.3600
Fax: 510.874.3268

REPORT

FOURTH QUARTER 2002 GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11126
1700 POWELL STREET
EMERYVILLE, CALIFORNIA

Prepared for
BP GEM

February 24, 2003

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

38485985/38486245

Date: February 24, 2003

Quarter: 4Q 02

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11126	Address:	1700 Powell Street, Emeryville, CA
BP Environmental Engineer:			Scott Hooton
Consulting Co./Contact Person:			URS Corporation/ Leonard Niles
Consultant Project No.:			38485985/38486245
Primary Agency/Regulatory ID No.:			Alameda County Health Care Services Agency

WORK PERFORMED THIS QUARTER (Fourth – 2002):

1. Performed fourth quarter 2002 groundwater monitoring event on December 13, 2002.
2. Prepared and submitted third quarter 2002 groundwater monitoring report.

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.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-1 through MW-9 quarterly
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None currently
Approximate Depth to Groundwater:	3.97 (MW-9) to 7.87 (MW-4) feet
Groundwater Gradient (direction):	South and east
Groundwater Gradient (magnitude):	0.02 feet per foot

DISCUSSION:

TPH-g was detected in eight of the nine wells sampled at concentrations ranging from 120 µg/L (MW-8) to 69,000 µg/L (MW-2). Benzene was detected in four of the nine wells sampled at concentrations ranging from 12 µg/L (MW-5) to 11,000 µg/L (MW-9). MTBE was detected in all nine wells sampled at concentrations ranging from 60 µg/L (MW-3) to 98,000 µg/L (MW-2). Groundwater elevations across the site increased by an average of approximately 0.18 feet this quarter, and the groundwater flow direction was divided into southerly and easterly components at a calculated hydraulic gradient of 0.02 feet per foot.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – December 13, 2002
- Attachment A – Concentration and Water Level Trends (MW-4)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment D - EDCC Report and EDF/Geowell Submittal Confirmation

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11126
1700 Powell Street, Emeryville, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-1	11/4/1992	7.76	4.96	—	2.80	5300	—	1100	480	ND<0.5	1500	— (k)	—	—	—	PACE
MW-1	10/12/1993	7.76	5.26	—	2.50	3600	—	970	71	100	550	6111 (k)	—	—	—	PACE
MW-1	2/15/1994	7.76	4.98	—	2.78	17000	—	4200	510	360	1600	5495 (k)	—	—	3.9	PACE
MW-1	5/11/1994	7.76	4.55	—	3.21	5500	—	2900	37	56	64	705 (k)	—	—	8.0	PACE
MW-1	8/1/1994	7.76	5.51	—	2.25	15000	—	3600	740	510	2800	9718 (d)(k)	—	—	2.9	PACE
QC-1 (e)	8/1/1994	—	—	—	—	16000	—	3600	750	510	2800	9800 (d)	—	—	—	PACE
MW-1	10/18/1994	7.76	5.11	—	2.65	16000	—	1800	61	160	890	15668 (k)	—	—	2.9	PACE
QC-1 (e)	10/18/1994	—	—	—	—	16000	—	1900	64	170	950	—	—	—	—	PACE
MW-1	1/13/1995	7.76	3.05	—	4.71	220	—	7	ND<0.5	1	23	—	—	—	6.6	ATI
QC-1 (e)	1/13/1995	—	—	—	—	590	—	88	0.7	ND<0.5	55	—	—	—	—	ATI
MW-1	4/13/1995	7.76	3.84	—	3.92	9300	—	4000	300	200	950	—	—	—	7.7	ATI
MW-1	7/11/1995	7.76	3.60	—	4.16	15000	—	2200	84	ND<25	2500	—	—	—	8.8	ATI
MW-1	11/2/1995	7.76	4.58	—	3.18	19000	—	920	ND<100	ND<100	430	52000	—	—	7.3	ATI
MW-1	2/5/1996	7.76	4.43	—	3.33	4600	—	1400	330	54	247	8700	—	—	3.2	SPL
MW-1	4/24/1996	7.76	4.00	—	3.76	2000	—	510	33	61	228	4500	—	—	7.5	SPL
MW-1	7/15/1996	7.76	4.30	—	3.46	—	—	—	—	—	—	—	—	—	—	—
MW-1	7/16/1996	7.76	—	—	—	12000	—	2800	170	390	1630	64000	—	—	7.9	SPL
QC-1 (e)	7/16/1996	—	—	—	—	12000	—	2800	160	390	1610	63000	—	—	—	SPL
MW-1	7/30/1996	7.76	4.64	—	3.12	—	—	—	—	—	—	—	—	—	—	—
MW-1	8/12/1996	7.76	—	—	—	11000	—	2500	160	ND<10	1740	440000	—	—	7.0	SPL
MW-1	11/4/1996	7.76	5.98	—	1.78	—	—	—	—	—	—	—	—	—	—	—
MW-1	11/5/1996	7.76	—	—	—	53000	—	1300	43	100	349	42000/190000 (f)	—	—	6.6	SPL
MW-1	5/17/1997	7.76	4.65	—	3.11	52000	—	1958	55	305	1216	140198	—	—	5.7	SPL
MW-1	8/11/1997	7.76	4.90	—	2.86	25000	—	540	6.7	ND<5.0	57	360000	—	—	7.9	SPL
MW-1	11/17/1997	7.76	6.12	—	1.64	93000	—	1200	31	180	40	400000	—	—	7.6	SPL
MW-1	1/29/1998	7.76	4.90	—	2.86	4800	—	320	24	52	19.9	ND<50	—	—	6.6	SPL
MW-1	6/22/1998	7.76	4.62	—	3.14	63000	—	180	ND<5.0	15	69	57000	—	—	6.0	
MW-1	12/30/1998	7.76	5.41	—	2.35	22000	—	2500	24	120	400	15000/13000 (f)	—	—	—	SPL
MW-1	3/9/1999	7.76	3.40	—	4.36	16000	—	2000	84	290	510	13000	—	—	—	SPL
MW-1	6/23/1999	7.76	4.60	—	3.16	9600	—	4500	21	160	260	24000	—	—	—	SPL
MW-1	9/23/1999	7.76	4.21	—	3.55	3800	—	1600	32	150	240	7100	—	—	—	SPL
MW-1	12/28/1999	7.76	4.10	—	3.66	3400	—	ND<2200	17	53	130	5500	—	—	—	PACE
MW-1	3/22/2000	7.76	5.51	—	2.25	6400	—	1100	45	190	330	4900	—	—	—	PACE
MW-1	5/26/2000	7.76	4.79	—	2.97	110000	—	700	44	140	250	320000	—	—	—	PACE
MW-1	9/6/2000	7.76	5.19	—	2.57	5600	—	1000	13	57	90	19000	—	—	—	PACE
MW-1	9/15/2000	7.76	5.73	—	2.03	—	—	—	—	—	—	—	—	—	—	—
MW-1	12/11/2000	7.76	5.82	—	1.94	5500	—	1160	47.1	155	292	3900	—	—	—	PACE
MW-1 (h)	3/29/2001	7.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-1	6/27/2001	7.76	5.49	—	2.27	6100	—	1200	12.9	17.3	77.9	1780	—	—	—	PACE
MW-1	9/19/2001	7.76	6.19	—	1.57	1800	—	102	ND<12.5	ND<12.5	ND<37.5	1090	—	—	—	PACE
MW-1	12/28/2001	7.76	5.27	—	2.49	4000	—	540	11.8	20.4	64.6	1120	—	—	—	PACE
MW-1	3/12/2002	7.76	5.68	—	2.08	3700	—	491	8.39	12.4	27.3	1020	—	—	—	PACE

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (a) (Feet)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (b) (Feet)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-1	6/13/2002*	7 76	5.54	---	2.22	1900	---	255	ND<12.5	ND<12.5	ND<25	6490	---	---	---	PACE
MW-1	9/6/2002	7.76	5.56	---	2 20	1100	---	170	5.1	2.2	20	550	---	---	---	SEQ
MW-1 (o)	**12/13/2002**	**7.76**	**5.45**	---	**2.31**	**2700**	---	**610**	**10**	**18**	**67**	**470**	---	---	---	**SEQ**

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-2	11/4/1992	8.56	5.88	---	2.68	12000	---	3900	1300	ND<0.5	2300	---	(k)	---	---	---	PACE
QC-1 (e)	11/4/1992	---	---	---	---	12000	---	3200	980	ND<0.5	1900	---		---	---	---	PACE
MW-2	10/12/1993	8.56	6.29	---	2.27	4500	---	3400	180	230	940	442	(k)	---	---	---	PACE
MW-2	2/15/1994	8.56	5.56	---	3.00	2000	---	430	270	28	390	127	(k)	---	---	4.0	PACE
QC-1 (e)	2/15/1994	---	---	---	---	1800	---	290	160	14	250	---		---	---	---	PACE
MW-2	5/11/1994	8.56	5.17	---	3.39	14000	---	3900	1200	440	1900	953	(k)	---	---	8.9	PACE
QC-1 (e)	5/11/1994	---	---	---	---	15000	---	5600	1500	470	2000	740	(d)	---	---	---	PACE
MW-2	8/1/1994	8.56	5.43	---	3.13	8200	---	3000	420	230	680	1676	(k)	---	---	2.6	PACE
MW-2	10/18/1994	8.56	5.71	---	2.85	9000	---	2000	140	150	420	2417	(k)	---	---	7.2	PACE
MW-2	1/13/1995	8.56	4.67	---	3.89	7900	---	2200	42	ND<5	770	---		---	---	6.8	ATI
MW-2	4/13/1995	8.56	4.37	---	4.19	33000	---	8000	2500	1100	6600	---		---	---	7.5	ATI
QC-1 (e)	4/13/1995	---	---	---	---	25000	---	6500	1500	110	5300	---		---	---	---	ATI
MW-2	7/11/1995	8.56	4.51	---	4.05	19000	---	3300	99	7.5	4600	---		---	---	7.8	ATI
QC-1 (e)	7/11/1995	---	---	---	---	28000	---	6800	1000	900	4900	---		---	---	---	ATI
MW-2	11/2/1995	8.56	5.55	---	3.01	20000	---	3800	1200	570	2700	15000		---	---	7.3	ATI
QC-1 (e)	11/2/1995	---	---	---	---	22000	---	4000	1200	600	2700	19000		---	---	---	ATI
MW-2	2/5/1996	8.56	5.10	---	3.46	1200	---	320	220	26	187	99		---	---	2.2	SPL
QC-1 (e)	2/5/1996	---	---	---	---	910	---	290	180	19	137	93		---	---	---	SPL
MW-2	4/24/1996	8.56	4.95	---	3.61	ND<500	---	70	22	ND<10	61	ND<50		---	---	7.0	SPL
QC-1 (e)	4/24/1996	---	---	---	---	ND<500	---	100	30	ND<10	71	ND<100		---	---	---	SPL
MW-2	7/15/1996	8.56	5.40	---	3.16	---	---	---	---	---	---	---		---	---	---	---
MW-2	7/16/1996	8.56	---	---	---	12000	---	3300	1400	250	2610	1400		---	---	7.8	SPL
MW-2	7/30/1996	8.56	5.44	---	3.12	---	---	---	---	---	---	---		---	---	---	---
MW-2	11/4/1996	8.56	7.06	---	1.50	---	---	---	---	---	---	---		---	---	---	---
MW-2	11/5/1996	8.56	---	---	---	7200	---	1400	230	38	2110	1100		---	---	7.4	SPL
QC-1 (e)	11/5/1996	---	---	---	---	9200	---	1300	170	ND<25	2240	1100		---	---	---	SPL
MW-2	5/17/1997	8.56	5.77	---	2.79	570	---	42	ND<5.0	5.0	60	210		---	---	6.9	SPL
MW-2	8/11/1997	8.56	5.71	---	2.85	6300	---	1800	130	86	397	2400		---	---	8.5	SPL
MW-2	11/17/1997	8.56	6.91	---	1.65	2400	---	220	30	33	259	130		---	---	7.9	SPL
MW-2	1/29/1998	8.56	4.61	---	3.95	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	6.2	SPL
MW-2	6/22/1998	8.56	4.80	---	3.76	4200	---	640	150	120	650	560		---	---	5.4	SPL
MW-2	12/30/1998	8.56	5.21	---	3.35	---	---	---	---	---	---	---		---	---	---	---
MW-2	6/23/1999	8.56	5.30	---	3.26	---	---	---	---	---	---	---		---	---	---	---
MW-2	9/23/1999	8.56	4.75	---	3.81	3800	---	760	19	210	960	910		---	---	---	SPL
MW-2	12/28/1999	8.56	4.51	---	4.05	---	---	---	---	---	---	---		---	---	---	---
MW-2	3/22/2000	8.56	4.21	---	4.35	2500	---	780	17	44	270	2800		---	---	---	PACE
MW-2	5/26/2000	8.56	4.66	---	3.90	---	---	---	---	---	---	---		---	---	---	---
MW-2	9/6/2000	8.56	4.71	---	3.85	3700	---	1200	5.5	12	170	12000		---	---	---	PACE
MW-2	9/15/2000	8.56	4.74	---	3.82	---	---	---	---	---	---	---		---	---	---	---
MW-2	12/11/2000	8.56	4.79	---	3.77	---	---	---	---	---	---	---		---	---	---	---
MW-2 (h)	3/29/2001	8.56	---	---	---	---	---	---	---	---	---	---		---	---	---	---
MW-2 (j)	6/27/2001	8.56	---	---	---	---	---	---	---	---	---	---		---	---	---	---

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-2 (j)	9/19/2001	8.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2 (j)	12/28/2001	8.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2	3/12/2002	8.56	4.25	—	4.31	26000	—	1160	4.39	61.1	171	37300	—	—	—	PACE
MW-2	6/13/2002*	8.56	4.94	—	3.62	18000	—	578	ND<50	ND<50	ND<100	84600	—	—	—	PACE
MW-2	9/6/2002	8.56	5.23	—	3.33	26000	—	440	ND<50	ND<50	ND<50	45000	—	—	—	SEQ
MW-2 (o)	**12/13/2002**	**8.56**	**4.94**	—	**3.62**	**69000**	—	**1200**	**ND<500**	**ND<500**	**ND<500**	**98000**	—	—	—	**SEQ**

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MW-3	11/4/1992	8.25	6.38	---	1.87	200	690	1.6	ND<0.5	ND<0.5	1.1	---	(k) ND<5000	ND	---	PACE
MW-3	10/12/1993	8 25	5.84	---	2.41	270	2100	5.0	0.7	ND<0.5	2.6	96.3	(k) ND<5000	ND	---	PACE
QC-1 (e)	10/12/1993	---	---	---	---	150	---	5.6	0.6	ND<0.5	1.6	---	---	---	---	PACE
MW-3	2/15/1994	8.25	6.60	---	1.65	140	2.3	5.7	ND<0.5	ND<0.5	ND<0.5	30.1	(k) 90	ND	3.9	PACE
MW-3	5/11/1994	8.25	5.86	---	2.39	190	2500	2.7	1.9	ND<0.5	1.9	51	(d)(k) ND<5000	ND	9.2	PACE
MW-3	8/1/1994	8 25	6.13	---	2.12	120	1300	1.3	ND<0.5	0.5	1.1	17.6	(k) ND<5000	ND	2.9	PACE
MW-3	10/18/1994	8.25	6.39	---	1.86	100	2200	2.3	ND<0.5	ND<0.5	ND<0.5	21	(k) ND<5000	ND	3.6	PACE
MW-3	1/13/1995	8.25	5.47	---	2.78	ND<50	970	0.8	ND<0.5	ND<0.5	ND<1	---	---	ND	7.7	ATI
MW-3	4/13/1995	8.25	5.17	---	3.08	530	ND<500	8.7	1.9	ND<0.5	3.9	---	2100	ND	8.4	ATI
MW-3	7/11/1995	8.25	5.37	---	2.88	78	2100	0.57	ND<0.50	ND<0.50	ND<1.0	---	1900	ND	8.3	ATI
MW-3	11/2/1995	8.25	6.29	---	1.96	250	2000	0 73	ND<0.50	ND<0.50	1.8	270	1400	ND	8.3	ATI
MW-3	2/5/1996	8.25	5.80	---	2.45	ND<50	1600	ND<0.5	ND<1	ND<1	2.7	11	9000	ND	3.5	SPL
MW-3	4/24/1996	8.25	5.69	---	2.56	ND<50	2800	ND<5	ND<10	ND<10	ND<10	150	6000	ND	8.6	SPL
MW-3	7/15/1996	8.25	6.18	---	2.07	ND<250	3700	ND<2.5	ND<5	ND<5	ND<5	ND<50	1000	ND	7.7	SPL
MW-3	7/30/1996	8.25	6.04	---	2.21	---	---	---	---	---	---	---	---	---	---	---
MW-3	11/4/1996	8.25	7.84	---	0.41	---	---	---	---	---	---	---	---	---	---	---
MW-3	11/5/1996	8.25	---	---	---	90	890	ND<0.5	ND<1.0	ND<1.0	ND<1.0	30	2000	ND	6.8	SPL
MW-3	5/17/1997	8.25	6.49	---	1.76	ND<50	2100	ND<0.5	ND<1.0	ND<1.0	ND<1.0	52	700	ND	6.3	SPL
MW-3	8/11/1997	8.25	6.15	---	2.10	490	1900	ND<2.5	ND<5.0	ND<5.0	ND<5.0	170	ND<5000	ND	7.4	SPL
MW-3	11/17/1997	8.25	7.15	---	1.10	120	2500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	46	ND<5000	ND	7.0	SPL
MW-3	1/29/1998	8.25	5.10	---	3.15	270	1700	0.53	ND<1.0	ND<1.0	ND<1.0	330	2000	ND	6.4	SPL
MW-3	6/22/1998	8.25	5.50	---	2.75	200	2200	ND<0.5	ND<1.0	ND<1.0	ND<1.0	130	ND<5	ND	5.5	SPL
MW-3	12/30/1998	8.25	6.68	---	1.57	---	---	---	---	---	---	---	---	---	---	---
MW-3	3/9/1999	8.25	5.53	---	2.72	60	840	ND<1.0	ND<1.0	ND<1.0	ND<1.0	19	7600	---	---	SPL
MW-3	6/23/1999	8.25	6.60	---	1.65	---	---	---	---	---	---	---	---	---	---	---
MW-3	9/23/1999	8.25	6.17	---	2.08	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/28/1999	8.25	6.00	---	2.25	---	---	---	---	---	---	---	---	---	---	---
MW-3	3/22/2000	8.25	4.77	---	3.48	690	ND<58	4 2	3 1	0.81	2.7	2900	13000	---	---	PACE
MW-3	5/26/2000	8.25	5.28	---	2.97	---	---	---	---	---	---	---	---	---	---	---
MW-3	9/15/2000	8.25	5.58	---	2.67	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/11/2000	8.25	11.74	---	-3.49 (i)	---	---	---	---	---	---	---	---	---	---	---
MW-3	3/29/2001	8.25	5.04	---	3.21	650	ND<50	ND<2.5	ND<2.5	ND<2.5	ND<7.5	680	6540	---	---	PACE
MW-3	6/27/2001	8.25	5.62	---	2.63	460	690	ND<2.5	ND<2.5	ND<2.5	ND<7.5	560	ND<5000	---	---	PACE
MW-3	9/19/2001	8.25	5.80	---	2.45	ND<500	520	ND<5.0	ND<5.0	ND<5.0	ND<15	464	ND<5000	---	---	PACE
MW-3	12/28/2001	8.25	4.85	---	3.40	180	550	ND<0.5	ND<0.5	ND<0.5	ND<1.0	180	ND<5000	---	---	PACE
MW-3	3/12/2002	8.25	4.39	---	3.86	410	1300	ND<2.5	ND<2.5	ND<2.5	ND<5.0	443	ND<5000	---	---	PACE
MW-3	6/13/2002*	8.25	5.38	---	2.87	ND<250	2600	ND<2.5	ND<2.5	ND<2.5	ND<5.0	395	ND<5000	---	---	PACE
MW-3	9/6/2002	8.25	5.68	---	2.57	ND<200	---	ND<2.0	ND<2 0	ND<2.0	ND<2.0	650	---	---	---	SEQ
MW-3 (o)	**12/13/2002**	**8.25**	**5.37**	---	**2.88**	**ND<50**	**980**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**60**	**7000**	---	---	**SEQ**

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-4	11/4/1992	8.12	6.66	—	1.46	340	—	4.5	ND<0.5	4.3	ND<0.5	—	(k)	—	—	—	PACE
MW-4	10/12/1993	8.12	6.87	—	1.25	160	—	5.8	1.4	0.8	2.7	261	(k)	—	—	—	PACE
MW-4	2/15/1994	8.12	6.61	—	1.51	110	—	4.4	0.7	ND<0.5	2.5	118	(d)(k)	—	—	4.3	PACE
MW-4	5/11/1994	8.12	5.89	—	2.23	120	—	0.5	0.8	ND<0.5	ND<0.5	137	(d)(k)	—	—	9.3	PACE
MW-4	8/1/1994	8.12	6.87	—	1.25	140	—	0.7	2.0	5.2	15	138	(k)	—	—	3.3	PACE
MW-4	10/18/1994	8.12	6.62	—	1.50	140	—	3.5	ND<0.5	0.5	ND<0.5	197	(k)	—	—	3.0	PACE
MW-4	1/13/1995	8.12	7.27	—	0.85	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<1	—		—	—	7.9	ATI
MW-4	4/13/1995	8.12	6.51	—	1.61	73	—	1.2	ND<0.5	ND<0.5	ND<1	—		—	—	9.9	ATI
MW-4	7/11/1995	8.12	6 21	—	1.91	82	—	0.57	ND<0.50	ND<0.50	ND<1.0	—		—	—	7.2	ATI
MW-4	11/2/1995	8.12	6.78	—	1.34	71	—	1.4	0.96	0.99	2.8	140		—	—	8.6	ATI
MW-4	2/5/1996	8.12	6.41	—	1.71	ND<50	—	ND<5	ND<10	ND<10	ND<10	200		—	—	4 4	SPL
MW-4	4/24/1996	8.12	6.18	—	1.94	ND<250	—	ND<2.5	ND<5	ND<5	ND<5	510		—	—	8.3	SPL
MW-4	7/15/1996	8.12	6.63	—	1.49	ND<50	—	5.7	ND<1	ND<1	ND<1	550		—	—	7.4	SPL
MW-4	7/30/1996	8.12	6.34	—	1.78	—	—	—	—	—	—	—		—	—	—	—
MW-4	11/4/1996	8.12	8.27	—	-0.15	—	—	—	—	—	—	—		—	—	—	—
MW-4	11/5/1996	8.12	—	—	—	460	—	ND<2.5	11	ND<5.0	ND<5.0	620/610	(f)	—	—	7.3	SPL
MW-4	5/17/1997	8.12	7.00	—	1.12	—	—	—	—	—	—	—		—	—	—	—
MW-4	8/11/1997	8.12	6.81	—	1.31	—	—	—	—	—	—	—		—	—	—	—
MW-4	11/17/1997	8.12	9.19	—	-1.07	840	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	880		—	—	7.3	SPL
MW-4	1/29/1998	8.12	7.94	—	0.18	—	—	—	—	—	—	—		—	—	—	—
MW-4	6/22/1998	8.12	7.49	—	0.63	—	—	—	—	—	—	—		—	—	—	—
MW-4	12/30/1998	8.12	8.21	—	-0.09	—	—	—	—	—	—	—		—	—	—	—
MW-4	3/9/1999	8.12	7.70	—	0.42	1200	—	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2000		—	—	—	SPL
MW-4	6/23/1999	8.12	8.81	—	-0.69	—	—	—	—	—	—	—		—	—	—	—
MW-4	9/23/1999	8.12	8.32	—	-0.20	—	—	—	—	—	—	—		—	—	—	—
MW-4	12/28/1999	8.12	8.21	—	-0.09	—	—	—	—	—	—	—		—	—	—	—
MW-4	3/22/2000	8.12	6.74	—	1.38	910	—	ND<0.5	ND<0.5	0.54	1.7	3800		—	—	—	PACE
MW-4	5/26/2000	8.12	5.13	—	2.99	—	—	—	—	—	—	—		—	—	—	—
MW-4	9/15/2000	8.12	8.20	—	-0.08	—	—	—	—	—	—	—		—	—	—	—
MW-4	12/11/2000	8.12	8.31	—	-0.19	—	—	—	—	—	—	—		—	—	—	—
MW-4 (h)	3/29/2001	8.12	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-4	6/27/2001	8.12	7.57	—	0.55	2800	—	18.9	ND<2.5	ND<2.5	ND<7.5	4220		—	—	—	PACE
MW-4	9/19/2001	8.12	7.87	—	0 25	2500	—	ND<5.0	ND<5.0	ND<5.0	ND<15	3340		—	—	—	PACE
MW-4	12/28/2001	8.12	7.80	—	0.32	4400	—	ND<5.0	ND<5.0	ND<5.0	ND<10	5330		—	—	—	PACE
MW-4	3/12/2002	8.12	4.53	—	3.59	6400	—	71.5	ND<5.0	ND<5.0	ND<10	8440		—	—	—	PACE
MW-4	6/13/2002*	8.12	6.21	—	1.91	1800	—	7.5	ND<5.0	5.03	13.1	6870		—	—	—	PACE
MW-4	9/6/2002	8.12	7.78	—	0.34	ND<2000	—	ND<20	ND<20	ND<20	ND<20	9600		—	—	—	SEQ
MW-4 (o)	**12/13/2002**	**8.12**	**7.87**	—	**0.25**	**5600**	—	**ND<50**	**ND<50**	**ND<50**	**ND<50**	**8600**		—	—	—	**SEQ**

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-5	10/12/1993	7.69	6.01	—	1.68	—	—	—	—	—	—	—	(k)	—	—	—	PACE
MW-5	10/13/1993	7.69	—	—	—	2300	—	160	10	ND<0.5	26	—	(k)	—	—	—	PACE
MW-5	2/15/1994	7.69	5.74	—	1.95	5100	—	710	16	33	35	153	(d)(k)	—	—	4.0	PACE
MW-5	5/11/1994	7.69	5.28	—	2.41	11000	—	1100	39	110	57	165	(d)(k)	—	—	8.0	PACE
MW-5	8/1/1994	7.69	5.84	—	1.85	9000	—	730	35	61	41	196	(d)(k)	—	—	2.6	PACE
MW-5	10/18/1994	7.69	6.01	—	1.68	7800	—	330	30	27	27	559	(k)	—	—	5.6	PACE
MW-5	1/13/1995	7.69	4.74	—	2.95	ND<500	—	290	6	ND<5	18	—		—	—	6.8	ATI
MW-5	4/13/1995	7.69	5.50	—	2.19	9100	—	400	15	52	27	—		—	—	7.4	ATI
MW-5	7/11/1995	7.69	5.75	—	1.94	7300	—	390	13	28	23	—		—	—	7.2	ATI
MW-5	11/3/1995	7.69	6 65	—	1.04	7200	—	270	15	38	23	200		—	—	8.4	ATI
MW-5	2/5/1996	7.69	4.83	—	2.86	4600	—	370	15	53	28	ND<50		—	—	1.9	SPL
MW-5	4/24/1996	7.69	6.09	—	1.60	3000	—	180	ND<10	32	14	ND<100		—	—	8.1	SPL
MW-5	7/15/1996	7.69	6.57	—	1.12	—	—	—	—	—	—	—		—	—	—	—
MW-5	7/16/1996	7.69	—	—	—	ND<50	—	190	ND<10	31	16	ND<100		—	—	8.3	SPL
MW-5	7/30/1996	7.69	5.61	—	2 08	—	—	—	—	—	—	—		—	—	—	—
MW-5	8/12/1996	7.69	—	—	—	2000	—	150	12	25	18.2	ND<50		—	—	7.6	SPL
MW-5	11/4/1996	7.69	8.25	—	-0.56	—	—	—	—	—	—	—		—	—	—	—
MW-5	11/5/1996	7.69	—	—	—	5200	—	42	5.5	13	ND<5.0	1700		—	—	7.4	SPL
MW-5	5/17/1997	7.69	6.95	—	0.74	80	—	0.56	ND<1.0	ND<1.0	ND<1.0	46		—	—	6.7	SPL
MW-5	8/11/1997	7.69	6.72	—	0.97	2700	—	20	12	6.7	9.7	1900		—	—	8.5	SPL
MW-5	11/17/1997	7.69	9.49	—	-1.80	8400	—	25	12	8.7	5.4	13000		—	—	7.9	SPL
MW-5	1/29/1998	7.69	7.88	—	-0.19	110000	—	2500	110	180	589	180000		—	—	6.8	SPL
MW-5	6/22/1998	7.69	7.40	—	0.29	4400	—	47	10	29	20.5	47		—	—	6.6	SPL
MW-5	12/30/1998	7.69	6.13	—	1.56	6000	—	18	9.1	22	16	63/44	(f)	—	—	—	SPL
MW-5	3/9/1999	7.69	4 79	—	2.90	4600	—	8.8	5.5	12	11	24		—	—	—	SPL
MW-5	6/23/1999	7.69	5.95	—	1.74	3400	—	1500	8.9	54	87	7500		—	—	—	SPL
MW-5	9/23/1999	7.69	5.43	—	2.26	2600	—	510	14	140	650	580		—	—	—	SPL
MW-5	12/28/1999	7.69	5.30	—	2.39	3500	—	900	18	57	140	4800		—	—	—	PACE
MW-5 (h)	3/22/2000	7.69	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-5 (h)	5/26/2000	7.69	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-5 (h)	9/6/2000	7 69	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-5 (h)	9/15/2000	7.69	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-5 (h)	12/11/2000	7.69	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-5 (h)	3/29/2001	7.69	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-5 (j)	6/27/2001	7.69	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-5 (j)	9/19/2001	7.69	—	—	—	—	—	—	—	—	—	—		—	—	—	—
MW-5	12/28/2001	7.69	4.65	—	3.04	4600	—	19.9	24.6	16.2	57	72.3		—	—	—	PACE
MW-5	3/12/2002	7.69	5.35	—	2.34	5100	—	45.4	13.7	22	38.9	31.6		—	—	—	PACE
MW-5	6/13/2002	7.69	5.34	—	2.35	2900	—	31.8	ND<12.5	ND<12.5	ND<25	616		—	—	—	PACE
MW-5	9/6/2002	7.69	5.46	—	2.23	3400	—	23	5.5	ND<5.0	11	230		—	—	—	SEQ
MW-5 (o)	**12/13/2002**	**7.69**	**5.47**	—	**2.22**	**2500**	—	**12**	**9.3**	**4.6**	**8.8**	**110**		—	—	—	**SEQ**

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-6	10/12/1993	8.52	6 59	—	1.93	63	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	44.4	(k)	—	—	—	PACE
MW-6	2/15/1994	8.52	6.31	—	2.21	68	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	38.1	(d)(k)	—	—	3.1	PACE
MW-6	5/11/1994	8.52	6.15	—	2.37	68	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	48.5	(d)(k)	—	—	8.7	PACE
MW-6	8/1/1994	8.52	6.46	—	2.06	91	—	ND<0.5	ND<0.5	ND<0.5	0.6	59.6	(k)	—	—	2.4	PACE
MW-6	10/18/1994	8.52	6.72	—	1.80	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	84.6	(k)	—	—	6.0	PACE
MW-6	1/13/1995	8.52	5 95	—	2.57	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<1	—		—	—	7.0	ATI
MW-6	4/13/1995	8.52	5.44	—	3.08	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<1	—		—	—	8.5	ATI
MW-6	7/11/1995	8.52	5.68	—	2.84	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—		—	—	8.4	ATI
MW-6	11/2/1995	8.52	6.57	—	1.95	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	35		—	—	8.3	ATI
MW-6	2/5/1996	8.52	6.27	—	2.25	ND<50	—	ND<5	ND<10	ND<10	ND<10	ND<100		—	—	2.2	SPL
MW-6	4/24/1996	8.52	5.95	—	2.57	ND<250	—	ND<2.5	ND<5	ND<5	ND<5	62		—	—	8.0	SPL
MW-6	7/15/1996	8.52	6.39	—	2.13	ND<250	—	ND<2.5	ND<5	ND<5	ND<5	ND<50		—	—	8.0	SPL
MW-6	7/30/1996	8.52	6.44	—	2.08	—	—	—	—	—	—	—		—	—	—	—
MW-6	11/4/1996	8.52	8.05	—	0.47	—	—	—	—	—	—	—		—	—	—	—
MW-6	11/5/1996	8.52	—	—	—	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		—	—	7.3	SPL
MW-6	5/17/1997	8.52	6.75	—	1.77	—	—	—	—	—	—	—		—	—	—	—
MW-6	8/11/1997	8.52	6.48	—	2.04	—	—	—	—	—	—	—		—	—	—	—
MW-6	11/17/1997	8.52	9.27	—	-0.75	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		—	—	7.7	SPL
MW-6	1/29/1998	8.52	7.98	—	0.54	—	—	—	—	—	—	—		—	—	—	—
MW-6	6/22/1998	8.52	7.68	—	0.84	—	—	—	—	—	—	—		—	—	—	—
MW-6	12/30/1998	8.52	6.98	—	1.54	—	—	—	—	—	—	—		—	—	—	—
MW-6	3/9/1999	8.52	5.90	—	2.62	—	—	—	—	—	—	—		—	—	—	—
MW-6	6/23/1999	8.52	6.93	—	1.59	—	—	—	—	—	—	—		—	—	—	—
MW-6	9/23/1999	8.52	6.45	—	2.07	—	—	—	—	—	—	—		—	—	—	—
MW-6	12/28/1999	8.52	6.33	—	2.19	—	—	—	—	—	—	—		—	—	—	—
MW-6	3/22/2000	8.52	5.15	—	3.37	—	—	—	—	—	—	—		—	—	—	—
MW-6	5/26/2000	8.52	5.72	—	2.80	—	—	—	—	—	—	—		—	—	—	—
MW-6	9/15/2000	8.52	6.02	—	2.50	—	—	—	—	—	—	—		—	—	—	—
MW-6	12/11/2000	8.52	6.20	—	2.32	—	—	—	—	—	—	—		—	—	—	—
MW-6	3/29/2001	8.52	5.34	—	3.18	750	—	ND<2.5	2.91	ND<2.5	11.8	820		—	—	—	PACE
MW-6	6/27/2001	8.52	6.00	—	2.52	760	—	32.9	ND<2.5	ND<2.5	ND<7.5	968		—	—	—	PACE
MW-6	9/19/2001	8.52	6.22	—	2.30	ND<500	—	ND<5.0	ND<5.0	ND<5.0	ND<15	879		—	—	—	PACE
MW-6 (n)	12/28/2001	8.52	4.71	—	3.81	—	—	—	—	—	—	—		—	—	—	—
MW-6	3/12/2002	8.52	4.96	—	3.56	ND<500	—	ND<5.0	ND<5.0	ND<5.0	ND<10	244		—	—	—	PACE
MW-6	6/13/2002*	8.52	5.78	—	2.74	ND<250	—	ND<2.5	ND<2.5	ND<2.5	ND<5.0	413		—	—	—	PACE
MW-6	9/6/2002	8.52	6.14	—	2.38	130	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	240		—	—	—	SEQ
MW-6 (o)	**12/13/2002**	**8.52**	**6.05**	—	**2.47**	**140**	—	**ND<1.0**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**200**		—	—	—	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11126
1700 Powell Street, Emeryville, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-7	10/12/1993	7.61	6.14	—	1.47	ND<50	—	ND<0.5	ND<0.5	ND<0.5	0.7	ND<5.0	(k)	—	—	—	PACE
MW-7	2/15/1994	7.61	5.88	—	1.73	78	—	ND<0.5	ND<0.5	ND<0.5	0.6	ND<5.0	(k)	—	—	4.0	PACE
MW-7	5/11/1994	7.61	5.76	—	1.85	70	—	ND<0.5	ND<0.5	ND<0.5	0.9	11.5	(k)	—	—	9.1	PACE
MW-7	8/1/1994	7.61	5.97	—	1.64	77	—	ND<0.5	ND<0.5	ND<0.5	0.5	182	(k)	—	—	2.5	PACE
MW-7	10/18/1994	7.61	6.24	—	1.37	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	51.7	(k)	—	—	6.3	PACE
MW-7	1/13/1995	7.61	5.39	—	2.22	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<1	—		—	—	8.2	ATI
MW-7	4/13/1995	7.61	5.17	—	2.44	63	—	ND<0.5	ND<0.5	ND<0.5	1.4	—		—	—	8.4	ATI
MW-7	7/11/1995	7.61	5.25	—	2.36	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—		—	—	7.9	ATI
MW-7	11/2/1995	7.61	6.19	—	1.42	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	55		—	—	8.0	ATI
MW-7	2/5/1996	7.61	5.69	—	1.92	ND<50	—	ND<0.5	ND<1	ND<1	ND<1	40		—	—	1.9	SPL
MW-7	4/24/1996	7.61	5.59	—	2.02	ND<250	—	ND<2.5	ND<5	ND<5	ND<5	53		—	—	8.2	SPL
MW-7	7/15/1996	7.61	6.07	—	1.54	ND<250	—	ND<2.5	ND<5	ND<5	ND<5	ND<50		—	—	7.8	SPL
MW-7	7/30/1996	7.61	6.04	—	1.57	—	—	—	—	—	—	—		—	—	—	—
MW-7	11/4/1996	7.61	7.76	—	-0.15	—	—	—	—	—	—	—		—	—	—	—
MW-7	11/5/1996	7.61	—	—	—	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		—	—	7.8	SPL
MW-7	5/17/1997	7.61	6.42	—	1.19	—	—	—	—	—	—	—		—	—	—	—
MW-7	8/11/1997	7.61	6.06	—	1.55	—	—	—	—	—	—	—		—	—	—	—
MW-7	11/17/1997	7.61	9.07	—	-1.46	ND<50	—	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		—	—	7.1	SPL
MW-7	1/29/1998	7.61	7.44	—	0.17	—	—	—	—	—	—	—		—	—	—	—
MW-7	6/22/1998	7.61	7.39	—	0.22	—	—	—	—	—	—	—		—	—	—	—
MW-7	12/30/1998	7.61	5.51	—	2.10	—	—	—	—	—	—	—		—	—	—	—
MW-7	3/9/1999	7.61	5.57	—	2.04	—	—	—	—	—	—	—		—	—	—	—
MW-7	6/23/1999	7.61	6.69	—	0.92	—	—	—	—	—	—	—		—	—	—	—
MW-7	9/23/1999	7.61	6.23	—	1.38	—	—	—	—	—	—	—		—	—	—	—
MW-7	12/28/1999	7.61	6.08	—	1.53	—	—	—	—	—	—	—		—	—	—	—
MW-7	3/22/2000	7.61	4.88	—	2.73	—	—	—	—	—	—	—		—	—	—	—
MW-7	5/26/2000	7.61	5.42	—	2.19	—	—	—	—	—	—	—		—	—	—	—
MW-7	9/15/2000	7.61	5.79	—	1.82	—	—	—	—	—	—	—		—	—	—	—
MW-7	12/11/2000	7.61	5.93	—	1.68	—	—	—	—	—	—	—		—	—	—	—
MW-7	3/29/2001	7.61	5.24	—	2.37	600	—	ND<2.5	ND<2.5	ND<2.5	ND<7.5	636		—	—	—	PACE
MW-7	6/27/2001	7.61	5.69	—	1.92	590	—	ND<2.5	ND<2.5	ND<2.5	ND<7.5	739		—	—	—	PACE
MW-7	9/19/2001	7.61	5.89	—	1.72	560	—	ND<5.0	ND<5.0	ND<5.0	ND<15	1190		—	—	—	PACE
MW-7	12/28/2001	7.61	4.53	—	3.08	910	—	22.7	ND<2.5	ND<2.5	ND<5.0	856		—	—	—	PACE
MW-7	3/12/2002	7.61	4.71	—	2.90	620	—	ND<2.5	ND<2.5	ND<2.5	ND<5.0	675		—	—	—	PACE
MW-7	6/13/2002*	7.61	5.21	—	2.40	860	—	ND<2.5	ND<2.5	ND<2.5	ND<5.0	1470		—	—	—	PACE
MW-7	9/6/2002	7.61	5.77	—	1.84	350	—	ND<2.5	ND<2.5	ND<2.5	ND<2.5	690		—	—	—	SEQ
MW-7 (o)	**12/13/2002**	**7.61**	**5.65**	—	**1.96**	**1300**	—	**ND<10**	**ND<10**	**ND<10**	**ND<10**	**1800**		—	—	—	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11126
1700 Powell Street, Emeryville, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-8	10/12/1993	8.60	5.86	---	2.74	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11 1	(k)	---	---	---	PACE
MW-8	2/15/1994	8.60	5.50	---	3.10	380	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	---	3.3	PACE
MW-8	5/11/1994	8.60	5.09	---	3.51	330	---	ND<0.5	1.2	ND<0.5	1.9	ND<5.0	(k)	---	---	8.5	PACE
MW-8	8/1/1994	8.60	5.20	---	3.40	260	---	ND<0.5	1.2	2.9	5.8	ND<5.0	(k)	---	---	2.3	PACE
MW-8	10/18/1994	8.60	5.70	---	2.90	82	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k)	---	---	6.4	PACE
MW-8	1/13/1995	8.60	4.96	---	3.64	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	6.9	ATI
MW-8	4/13/1995	8.60	5.40	---	3.20	270	---	ND<0.5	ND<0.5	ND<0.5	4.4	---		---	---	8.4	ATI
MW-8	7/11/1995	8.60	6.01	---	2.59	320	---	ND<0.50	ND<0.50	ND<0.50	3.5	---		---	---	8.0	ATI
MW-8	11/2/1995	8.60	6.81	---	1.79	100	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	8.7	ATI
MW-8	2/5/1996	8.60	6.12	---	2.48	ND<50	---	ND<5	ND<10	ND<10	ND<10	ND<100		---	---	1.5	SPL
MW-8	4/24/1996	8.60	6.23	---	2.37	ND<50	---	ND<5	ND<10	ND<10	ND<10	ND<100		---	---	8.7	SPL
MW-8	7/15/1996	8.60	6.70	---	1.90	ND<250	---	ND<2.5	ND<5	ND<5	ND<5	ND<50		---	---	8.4	SPL
MW-8	7/30/1996	8.60	6.64	---	1.96	---	---	---	---	---	---	---		---	---	---	---
MW-8	11/4/1996	8.60	8.36	---	0.24	---	---	---	---	---	---	---		---	---	---	---
MW-8	11/5/1996	8.60	---	---	---	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	7.2	SPL
MW-8	5/17/1997	8.60	7.03	---	1.57	---	---	---	---	---	---	---		---	---	---	---
MW-8	8/11/1997	8.60	6.05	---	2.55	---	---	---	---	---	---	---		---	---	---	---
MW-8	11/17/1997	8.60	9.14	---	-0.54	ND<50	---	ND<0.5	ND<1.0	ND<1 0	ND<1.0	ND<10		---	---	7.7	SPL
MW-8	1/29/1998	8.60	7.90	---	0.70	---	---	---	---	---	---	---		---	---	---	---
MW-8	6/22/1998	8.60	7.72	---	0.88	---	---	---	---	---	---	---		---	---	---	---
MW-8 (h)	12/30/1998	8.60	---	---	---	---	---	---	---	---	---	---		---	---	---	---
MW-8 (h)	3/9/1999	8.60	---	---	---	---	---	---	---	---	---	---		---	---	---	---
MW-8	6/23/1999	8.60	4.70	---	3.90	---	---	---	---	---	---	---		---	---	---	---
MW-8	9/23/1999	8.60	4.22	---	4.38	---	---	---	---	---	---	---		---	---	---	---
MW-8	12/28/1999	8.60	4.12	---	4 48	---	---	---	---	---	---	---		---	---	---	---
MW-8	3/22/2000	8 60	4.71	---	3.89	---	---	---	---	---	---	---		---	---	---	---
MW-8	5/26/2000	8.60	4.98	---	3.62	---	---	---	---	---	---	---		---	---	---	---
MW-8	9/15/2000	8.60	4.62	---	3.98	---	---	---	---	---	---	---		---	---	---	---
MW-8	12/11/2000	8.60	4.77	---	3.83	---	---	---	---	---	---	---		---	---	---	---
MW-8 (h)	3/29/2001	8.60	---	---	---	---	---	---	---	---	---	---		---	---	---	---
MW-8	6/27/2001	8.60	5.11	---	3.49	570	---	ND<2.5	ND<2.5	2.58	ND<7.5	3.43		---	---	---	PACE
MW-8	9/19/2001	8.60	5.00	---	3.60	ND<500	---	ND<5.0	ND<5.0	ND<5.0	ND<15	ND<5.0		---	---	---	PACE
MW-8	12/28/2001	8.60	4.15	---	4.45	440	---	ND<0.5	ND<0.5	0.975	ND<1.0	6.27		---	---	---	PACE
MW-8	3/12/2002	8.60	4.35	---	4.25	330	---	ND<2.5	ND<2.5	ND<2.5	ND<5.0	8.69		---	---	---	PACE
MW-8	6/13/2002*	8.60	5.09	---	3.51	ND<500	---	ND<5.0	ND<5.0	ND<5.0	ND<10	16.4		---	---	---	PACE
MW-8	9/6/2002	8.60	5.18	---	3.42	98	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	76		---	---	---	SEQ
MW-8 (o)	**12/13/2002**	**8.60**	**4.84**	---	**3.76**	**120**	---	**ND<0.5**	**ND<0.5**	**0.94**	**0.52**	**140**		---	---	---	**SEQ**

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
MW-9	10/12/1993	8.08	5.66	0.08	2.48	—	—	—	—	—	—	—	—	—	—	—
MW-9	2/15/1994	8.08	5.32	0.05	2.80	—	—	—	—	—	—	—	—	—	—	—
MW-9	5/11/1994	8.08	5.57	—	2.51	—	—	—	—	—	—	—	—	—	—	—
MW-9	8/1/1994	8.08	6.25	—	1.83	—	—	—	—	—	—	—	—	—	—	—
MW-9	10/18/1994	8.08	5.59	0.13	2.59	—	—	—	—	—	—	—	—	—	—	—
MW-9	1/13/1995	8.08	4.42	0.14	3.77	—	—	—	—	—	—	—	—	—	—	—
MW-9	4/13/1995	8.08	4.06	0.11	4.10	—	—	—	—	—	—	—	—	—	—	—
MW-9	7/11/1995	8.08	4.21	0.08	3.93	—	—	—	—	—	—	—	—	—	—	—
MW-9	11/2/1995	8.08	5.22	0.05	2.90	—	—	—	—	—	—	—	—	—	—	—
MW-9	2/5/1996	8.08	4.76	0.01	3.33	—	—	—	—	—	—	—	—	—	—	—
MW-9	4/24/1996	8.08	4.62	0.09	3.53	—	—	—	—	—	—	—	—	—	—	—
MW-9	7/15/1996	8.08	5.11	0.04	3.00	—	—	—	—	—	—	—	—	—	—	—
MW-9	7/30/1996	8.08	5.15	—	2.93	—	—	—	—	—	—	—	—	—	—	—
MW-9	11/4/1996	8.08	6.75	0.01	1.34	—	—	—	—	—	—	—	—	—	—	—
MW-9	5/17/1997	8.08	5.42	—	2.66	97000	—	16000	7700	2300	18400	40000	—	—	7.0	SPL
QC-1 (e)	5/17/1997	—	—	—	—	97000	—	16000	8200	2300	17300	39000	—	—	—	SPL
MW-9	8/11/1997	8.08	5.37	—	2.71	71000	—	12000	340	2100	4300	26000	—	—	9.1	SPL
QC-1 (e)	8/11/1997	—	—	—	—	100000	—	14000	360	3200	5790	27000	—	—	—	SPL
MW-9	11/17/1997	8.08	5.62	Sheen	2.46	100000	—	22000	4800	3100	17900	32000	—	—	8.3	SPL
QC-1 (e)	11/17/1997	—	—	—	—	100000	—	24000	5300	3500	19300	35000	—	—	—	SPL
MW-9	1/29/1998	8.08	4.07	Sheen	4.01	250000	—	20000	21000	3100	18500	110000	—	—	6.6	SPL
QC-1 (e)	1/29/1998	—	—	—	—	250000	—	20000	20000	3100	18400	110000	—	—	—	SPL
MW-9	6/22/1998	8.08	4.28	—	3.80	280000	—	21000	18000	3800	21200	110000	—	—	5.8	SPL
QC-1 (e)	6/22/1998	—	—	—	—	290000	—	20000	17000	3800	21200	110000	—	—	—	SPL
MW-9	12/30/1998	8.08	4.95	—	3.13	150000	—	10000	3800	2000	9600	86000/89000 (f)	—	—	—	SPL
MW-9	3/9/1999	8.08	3.95	—	4.13	82000	—	6800	570	1400	4700	100000	—	—	—	SPL
MW-9	6/23/1999	8.08	5.12	—	2.96	41000	—	11000	820	2300	5200	92000	—	—	—	SPL
MW-9	9/23/1999	8.08	4.74	—	3.34	57000	—	12000	5400	1900	9500	89000	—	—	—	SPL
MW-9	12/28/1999	8.08	4.58	—	3.50	46000	—	15000	490	2500	3500	100000	—	—	—	PACE
MW-9	3/22/2000	8.08	3.90	—	4.18	86000	—	18000	1800	2300	6800	120000	—	—	—	PACE
MW-9	5/26/2000	8.08	4.15	—	3.93	82000	—	17000	680	1800	3800	100000	—	—	—	PACE
MW-9	9/6/2000	8.08	4.47	—	3.61	100000	—	19000	280	2400	6400	84000	—	—	—	PACE
MW-9	9/15/2000	8.08	4.34	—	3.74	—	—	—	—	—	—	—	—	—	—	—
MW-9	12/11/2000	8.08	4.41	—	3.67	110000	—	14400	768	2610	6670	123000	—	—	—	PACE
MW-9 (h)	3/29/2001	8.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-9 (m)	6/26/2001	8.08	5.03	0.13	3.15 (l)	—	—	—	—	—	—	—	—	—	—	—
MW-9 (m)	9/19/2001	8.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-9	12/28/2001	8.08	3.73	—	4.35	110000	—	15000	1500	2280	5530	60900	—	—	—	PACE
MW-9	3/12/2002	8.08	4.93	—	3.15	88000	—	12500	2600	2800	8950	44000	—	—	—	PACE
MW-9	6/13/2002*	8.08	4.13	—	3.95	59000	—	9870	161	2560	5560	35600	—	—	—	PACE
MW-9	9/6/2002	8.08	4.39	—	3.69	47000	—	10000	ND<100	2100	4600	31000	—	—	—	SEQ
MW-9 (o)	**12/13/2002**	**8.08**	**3.97**	—	**4.11**	**57000**	—	**11000**	**1000**	**2300**	**5800**	**28000**	—	—	—	**SEQ**

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Former BP Service Station #11126
1700 Powell Street, Emeryville, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB
QC-2 (g)	11/5/1992	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	10/12/1993	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	2/15/1994	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	5/11/1994	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	8/1/1994	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	10/18/1994	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---	PACE
QC-2 (g)	1/13/1995	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	ATI
QC-2 (g)	4/13/1995	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	---	---	ATI
QC-2 (g)	7/11/1995	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	---	ATI
QC-2 (g)	11/2/1995	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	---	ATI
QC-2 (g)	2/5/1996	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL
QC-2 (g)	4/24/1996	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL
QC-2 (g)	7/16/1996	---	---	---	---	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	---	---	SPL

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11126
1700 Powell Street, Emeryville, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	HVOC (ug/L)	DO (ppm)	LAB

ABBREVIATIONS:

TPH-G Total petroleum hydrocarbons as gasoline
TPH-D Total petroleum hydrocarbons as diesel
B Benzene
T Toluene
E Ethylbenzene
X Total xylenes
MTBE Methyl tert butyl ether
TOG Total oil and grease
HVOC Halogenated volatile organic compounds
DO Dissolved oxygen
ug/L Micrograms per liter
ppm Parts per million
ND Not detected above reported detection limit
--- Not analyzed/applicable/measurable
PACE Pace, Inc.
ATI Analytical Technologies, Inc.
SPL Southern Petroleum Laboratories
SEQ Sequoia Analytical
TOC Top of Casing
DTW Depth to Water
GWE Groundwater Elevation

NOTES:

(a) Top of casing elevations surveyed relative to an established benchmark with an elevation of 8.11 feet above mean sea level.

(b) Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.

(c) Detection limits vary; see laboratory report.

(d) A copy of the documentation for this data is included in Appendix C of Alisto report 10-061-07-004.

(e) Blind duplicate.

(f) EPA Methods 8020/8260 used.

(g) Travel blank.

(h) Inaccessible.

(i) Depth to water anomalous; groundwater elevation not used in contouring.

(j) Well paved over.

(k) A copy of the documentation for this data can be found in Blaine Tech Services report 010627-Z-1.
MTBE data for the November 4, 1992 sampling event has been destroyed.
No chromatograms could be located for MTBE data from well MW-5, sampled on October 12, 1993.

(l) Groundwater elevation is an estimate.

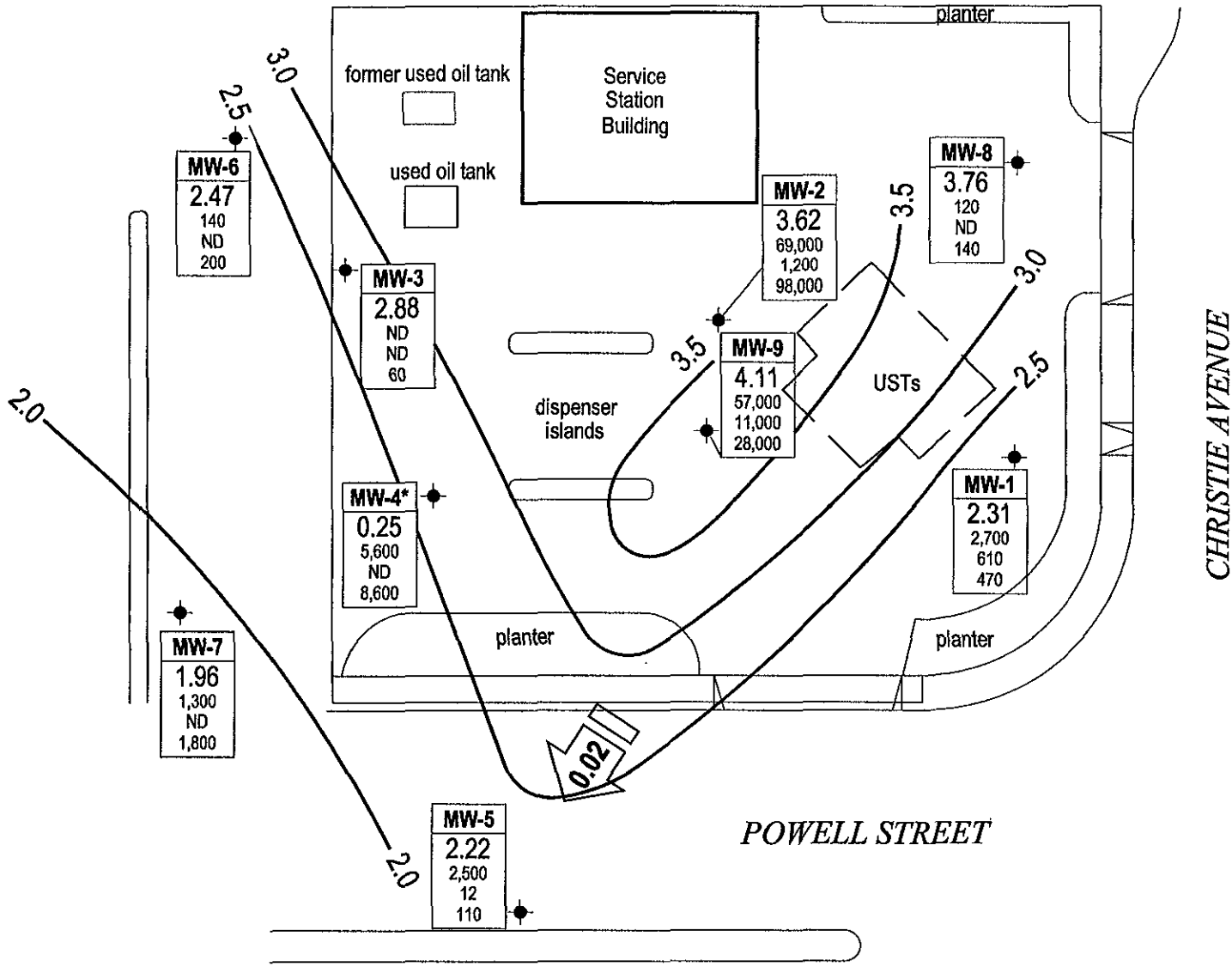
(m) Not sampled due to nature of SPH.

(n) Unable to sample.

(o) EDA Methods 8015B / 8021B used.

* During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.

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



EXPLANATION

- Monitoring well location
- 2.5 — Groundwater elevation contour (ft/MSL)
- Well designation
- ELEV — Groundwater elevation (ft/MSL)
- TPH-g, Benzene and MTBE concentrations in micrograms per liter (µg/L)
- ND — Not detected
- * — Groundwater Data not Used in Contouring
- 0.02 — Groundwater flow direction and gradient (ft/MSL)

NORTH

0 30 60

SCALE IN FEET

NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES.

URS

Project No. 38486245

Former BP Service Station #11126
1700 Powell Street
Emeryville, California

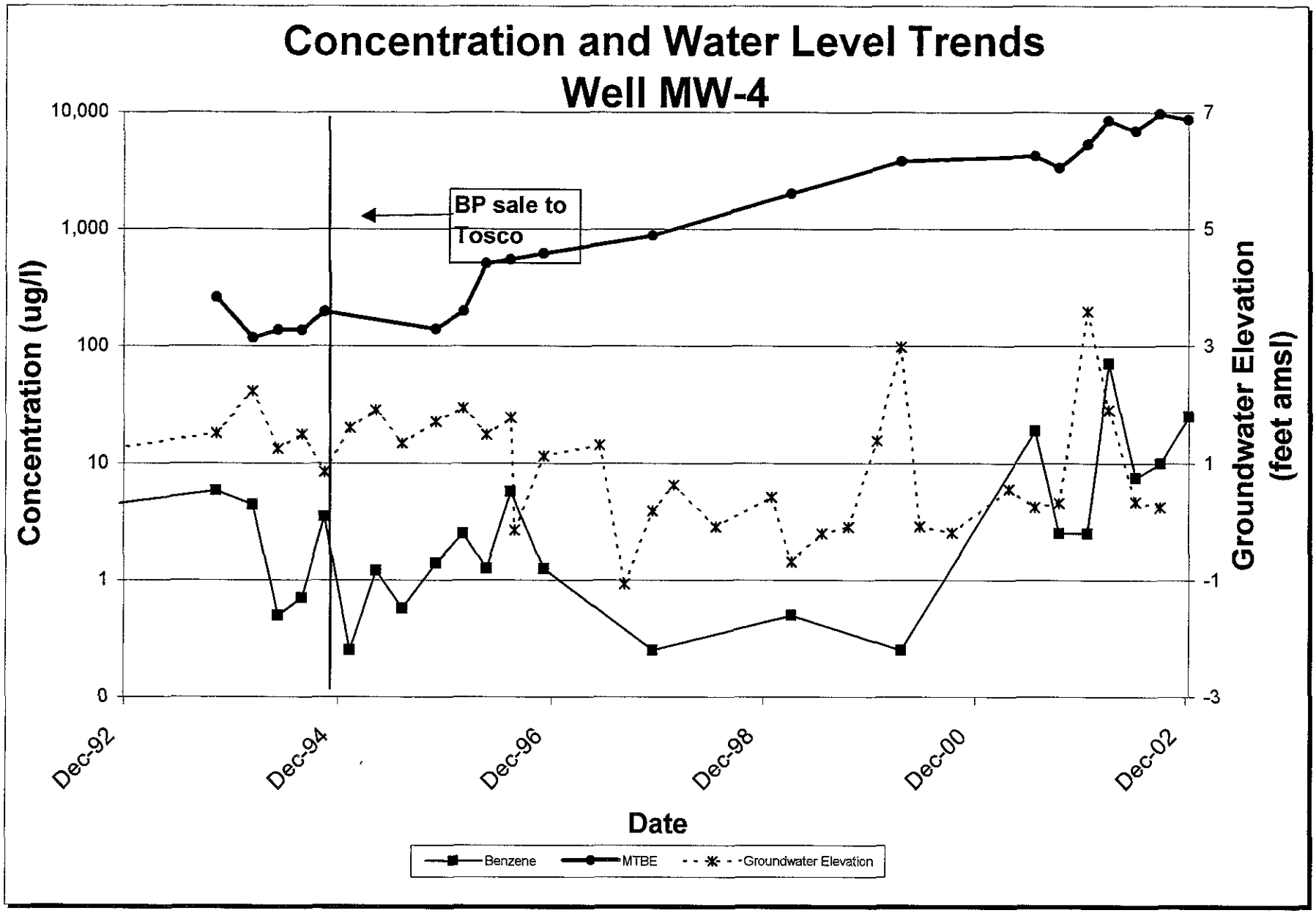
GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP
Fourth Quarter 2002 (December 13, 2002)

FIGURE
1

X:\x_env_waste\BP GEM\Sites\RMH Sites\BP Heritage\111126\Reports\Monitoring\Qtr 4, 2002\GWEC-AS_12-13.dwg

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS (MW-4)


Concentration and Water Level Trends
Well MW-4
Concentration (ug/l)
10,000
1,000
100
10
1
0
Groundwater Elevation (feet amsl)
7
5
3
1
-1
-3
BP sale to Tosco
Dec-92
Dec-94
Dec-96
Dec-98
Dec-00
Dec-02
Date
Benzene
MTBE
Groundwater Elevation

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 # 021213-RH1 Date 12/13/02 Client BP 11126

Site 1700 Powell St., Emeryville

	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	
6	mw-1	2					5.45	11.27		
8	mw-2	2					4.94	11.88		
1-2	mw-3	2					5.37	11.86		
5	mw-4	2					7.87	10.94		
7	mw-5	2					5.47	12.88		
1-2	mw-6	2					6.05	13.45		
4	mw-7	2					5.65	13.91		
3	mw-8	2					4.84 ~~4.94~~	13.77		
9	mw-9	4					3.97	13.72		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 11.27	Depth to Water: 5.95
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.

0.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 2.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1231	65.1	6.7	1923	0.9	cloudy
1233	66.4	6.7	1987	1.8	"
1235	66.9	6.8	2054	2.7	"

Did well dewater? Yes (No) Gallons actually evacuated: 2.7

Sampling Time: 1240 Sampling Date: 12/13/02

Sample I.D.: MW-1 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 #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 11.88	Depth to Water: 4.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: ____

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: ____

Top of Screen: ____

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

1.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1247	66.9	6.7	2040	1.1	blackish
1250	67.4	6.8	2072	2.2	"
1253	67.6	6.8	2137	3.3	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Time: 1258 Sampling Date: 12/13/02

Sample I.D.: MW-2 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 #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 11.86	Depth to Water: 5.37
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 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1106	66.0	6.6	1366	1	Cloudy
1108	66.6	6.8	1460	2	"
1110	67.0	6.8	1550	3	

Did well dewater? Yes (No) Gallons actually evacuated: 3.0

Sampling Time: 1120 Sampling Date: 12/13/02

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

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: TDG

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 #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 10.94	Depth to Water: 7.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

0.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 1.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1213	66.7	7.0	2396	0.5	blackish
1214	67.1	7.1	2506	1.0	"
	well dewatered @ 1.25 gal.				DTW = 10.02
1220	67.3	7.1	2535	1.2	blackish

Did well dewater? (Yes) No		Gallons actually evacuated: 1.2	
Sampling Time: 1220		Sampling Date: 12/13/02	
Sample I.D.: MW-4		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 #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 12.88	Depth to Water: 5.47
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.

1.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1007	68.0	6.2	1005	1.1	Clear
1009	68.0	6.5	1003	2.2	"
1011	68.4	6.5	1004	3.3	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Time: 1016 Sampling Date: 12/13/02

Sample I.D.: MW-5 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 #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.45	Depth to Water: 6.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: ~~Bailer~~ (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: ____

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: ____

Top of Screen: ____

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

1.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1043	67.4	6.8	2700	1.2	blackish
1045	69.0	6.9	2785	2.4	"
1047	69.2	6.9	2480	3.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.6

Sampling Time: 1052 Sampling Date: 12/13/02

Sample I.D.: MW-6 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 #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 13.91	Depth to Water: 5.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: _____

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: _____

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

1.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1153	69.9	7.0	4192	1.3	cloudy, color
1155	70.3	7.0	4235	2.6	blackish
1157	69.1	7.1	3900	3.9	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.9

Sampling Time: 1202 Sampling Date: 12/13/02

Sample I.D.: MW-7 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 #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.77	Depth to Water: 4.84
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.

1.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1131	70.0	6.6	2138	1.4	cloudy
1134	70.3	6.7	2175	2.8	clear
1136	70.8	6.7	2285	4.2	"

Did well dewater? Yes (No) Gallons actually evacuated: 4.2

Sampling Time: 1141 Sampling Date: 12/13/02

Sample I.D.: MW-8 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 #: 021213-RH1	Station # 11126
Sampler: Ryan H.	Date: 12/13/02
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 13.92	Depth to Water: 3.97
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.

6.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 19.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1312	64.6	6.7	1652	6.5	clear, odor
1317	66.2	6.8	1535	13.0	
	well dewatered	@ 15.0 gal			DTW = 11.82
1320	66.7	6.8	1800	15.0	blackish, odor

Did well dewater? (Yes) No Gallons actually evacuated: 15.0

Sampling Time: 1320 Sampling Date: 12/13/02

Sample I.D.: MW-9 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:
Requested Due Date (mm/dd/yy)

Date: 12/13/02

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

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 1700 POWELL ST., EMERYVILLE, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. 11126	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600100208	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant Tele/Fax: 510-874-3101 / 510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Robert Horwath
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax:	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: TDS	Sample Point Lat/Long and Comments
1	mw-1	1240		X				3				X	X		X				
2	mw-2	1258		X				3				X	X		X				
3	mw-3	1120		X				7	2			5	X	X	X	-		X	
4	mw-4	1220		X				3				X	X		X				
5	MW-5	1016		X				3				X	X		X				
6	mw-6	1052		X				3				X	X		X				
7	mw-7	1202		X				3				X	X		X				
8	MW-8	1141		X				3				X	X		X				
9	mw-9	1320		X				3				X	X		X				
10																			

Sampler's Name: Ryan Hanstedt	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company: Blaine Tech	Ryan Hanstedt / BTS				
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 12/13/02

Site Address 1700 Powell St, Emeryville

Job Number 021213-RH1 Technician Ryan Hunstedt

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						X
mw-4								X
mw-5		X						
mw-6		X						
mw-7		X						
mw-8		X						
mw-9		X						

NOTES: MW-3 bolts stripped

MW-4 one bolt missing, one stripped

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:

11126

Station #

1700 Powell St, Emeryville

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

34.0

added equip. rinse water 2

any other adjustments

TOTAL GALS. RECOVERED 36.0

loaded onto BTS vehicle # 15

BTS event # 021213-RH1

time 1530

date 12/13/02

signature

* *

RECD AT

time

date

/ /

unloaded by signature

ATTACHMENT C

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia Analytical

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

3 January, 2003

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

RE: BP Heritage Site #11126, Emeryville, CA
Sequoia Work Order: MLL0604

Enclosed are the results of analyses for samples received by the laboratory on 12/16/02 18:00. 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

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MLL0604-01	Water	12/13/02 12:40	12/16/02 18:00
MW-2	MLL0604-02	Water	12/13/02 12:58	12/16/02 18:00
MW-3	MLL0604-03	Water	12/13/02 11:20	12/16/02 18:00
MW-4	MLL0604-04	Water	12/13/02 12:20	12/16/02 18:00
MW-5	MLL0604-05	Water	12/13/02 10:16	12/16/02 18:00
MW-6	MLL0604-06	Water	12/13/02 10:52	12/16/02 18:00
MW-7	MLL0604-07	Water	12/13/02 12:02	12/16/02 18:00
MW-8	MLL0604-08	Water	12/13/02 11:41	12/16/02 18:00
MW-9	MLL0604-09	Water	12/13/02 13:20	12/16/02 18:00

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

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Diesel Hydrocarbons (C10-C28) by EPA 8015B modified

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MLL0604-03) Water Sampled: 12/13/02 11:20 Received: 12/16/02 18:00									
Diesel Range Organics (C10-C28)	**980**	94	ug/l	2	2L19042	12/19/02	12/30/02	8015Bm	HC-12
Surrogate: n-Octacosane		*147 %*	*34-123*		"	"	"	"	*S-04*

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MLL0604-03) Water Sampled: 12/13/02 11:20 Received: 12/16/02 18:00									
Oil & Grease	**7.0**	5.0	mg/l	1	2L19029	12/19/02	12/23/02	EPA 1664A	

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MLL0604-01) Water Sampled: 12/13/02 12:40 Received: 12/16/02 18:00									
Gasoline Range Organics	**2700**	250	ug/l	5	2120771	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	**610**	2.5	"	"	"	"	"	"	
Toluene	**10**	2.5	"	"	"	"	"	"	
Ethylbenzene	**18**	2.5	"	"	"	"	"	"	
Xylenes (total)	**67**	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**470**	12	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*65-135*		"	"	"	"	
MW-2 (MLL0604-02) Water Sampled: 12/13/02 12:58 Received: 12/16/02 18:00									
Gasoline Range Organics	**69000**	50000	ug/l	1000	2120771	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	**1200**	500	"	"	"	"	"	"	
Toluene	ND	500	"	"	"	"	"	"	
Ethylbenzene	ND	500	"	"	"	"	"	"	
Xylenes (total)	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	**98000**	2500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92 %*	*65-135*		"	"	"	"	
MW-3 (MLL0604-03) Water Sampled: 12/13/02 11:20 Received: 12/16/02 18:00									
Gasoline Range Organics	ND	50	ug/l	1	2120771	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**60**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*65-135*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MLL0604-04) Water Sampled: 12/13/02 12:20 Received: 12/16/02 18:00									
Gasoline Range Organics	**5600**	5000	ug/l	100	2120771	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	ND	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**8600**	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*65-135*		"	"	"	"	
MW-5 (MLL0604-05) Water Sampled: 12/13/02 10:16 Received: 12/16/02 18:00									
Gasoline Range Organics	**2500**	100	ug/l	2	2120772	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	**12**	1.0	"	"	"	"	"	"	QR-04
Toluene	**9.3**	1.0	"	"	"	"	"	"	
Ethylbenzene	**4.6**	1.0	"	"	"	"	"	"	
Xylenes (total)	**8.8**	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**110**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*65-135*		"	"	"	"	
MW-6 (MLL0604-06) Water Sampled: 12/13/02 10:52 Received: 12/16/02 18:00									
Gasoline Range Organics	**140**	100	ug/l	2	2120772	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**200**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MLL0604-07) Water Sampled: 12/13/02 12:02 Received: 12/16/02 18:00									
Gasoline Range Organics	**1300**	1000	ug/l	20	2120772	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	ND	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	**1800**	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
MW-8 (MLL0604-08) Water Sampled: 12/13/02 11:41 Received: 12/16/02 18:00									
Gasoline Range Organics	**120**	50	ug/l	1	2120772	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.94**	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.52**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**140**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*65-135*		"	"	"	"	
MW-9 (MLL0604-09) Water Sampled: 12/13/02 13:20 Received: 12/16/02 18:00									
Gasoline Range Organics	**57000**	10000	ug/l	200	2120771	12/27/02	12/27/02	EPA 8015B/8021B	
Benzene	**11000**	100	"	"	"	"	"	"	
Toluene	**1000**	100	"	"	"	"	"	"	
Ethylbenzene	**2300**	100	"	"	"	"	"	"	
Xylenes (total)	**5800**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**28000**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Diesel Hydrocarbons (C10-C28) by EPA 8015B modified - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2L19042 - EPA 3510C										
Blank (2L19042-BLK1)				Prepared: 12/19/02 Analyzed: 12/27/02						
Diesel Range Organics (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*46.9*		*"*	*50.0*		*93 8*	*34-123*			
Laboratory Control Sample (2L19042-BS1)				Prepared: 12/19/02 Analyzed: 12/27/02						
Diesel Range Organics (C10-C28)	397	50	ug/l	500		79.4	51-128			
Surrogate: n-Octacosane	*43.5*		*"*	*50.0*		*87 0*	*34-123*			
Laboratory Control Sample Dup (2L19042-BSD1)				Prepared: 12/19/02 Analyzed: 12/27/02						
Diesel Range Organics (C10-C28)	381	50	ug/l	500		76 2	51-128	4.11	27	
Surrogate: n-Octacosane	*42.5*		*"*	*50.0*		*85.0*	*34-123*			

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2L19029 - General Prep										
Blank (2L19029-BLK1)				Prepared: 12/19/02 Analyzed: 12/23/02						
Oil & Grease	ND	5.0	mg/l							
Laboratory Control Sample (2L19029-BS1)				Prepared: 12/19/02 Analyzed: 12/23/02						
Oil & Grease	19.5	5.0	mg/l	20.0		97.5	78-114			
Laboratory Control Sample Dup (2L19029-BSD1)				Prepared: 12/19/02 Analyzed: 12/23/02						
Oil & Grease	19.5	5.0	mg/l	20.0		97 5	78-114	0.00	17	

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120771 - EPA 5030, waters										
Blank (2120771-BLK1)				Prepared & Analyzed: 12/27/02						
Gasoline Range Organics	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	*304*		"	*300*		*101*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*276*		"	*300*		*92*	*65-135*			
Laboratory Control Sample (2120771-BS1)				Prepared & Analyzed: 12/27/02						
Gasoline Range Organics	2650	50	ug/l	2750		96	65-135			
Benzene	41 5	0 50	"	34.0		122	65-135			
Toluene	209	0.50	"	208		100	65-135			
Ethylbenzene	47.9	0.50	"	49.0		98	65-135			
Xylenes (total)	224	0.50	"	241		93	65-135			
Methyl tert-butyl ether	65.7	2.5	"	56.0		117	65-135			
Surrogate: a,a,a-Trifluorotoluene	*337*		"	*300*		*112*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*298*		"	*300*		*99*	*65-135*			
Matrix Spike (2120771-MS1)	**Source: MLL0604-03**			Prepared & Analyzed: 12/27/02						
Gasoline Range Organics	2700	50	ug/l	2750	28	97	65-135			
Benzene	40.9	0.50	"	34.0	ND	120	65-135			
Toluene	202	0.50	"	208	0.34	97	65-135			
Ethylbenzene	46.4	0.50	"	49.0	ND	95	65-135			
Xylenes (total)	221	0.50	"	241	0.41	92	65-135			
Methyl tert-butyl ether	115	2.5	"	56.0	60	98	65-135			
Surrogate: a,a,a-Trifluorotoluene	*329*		"	*300*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*299*		"	*300*		*100*	*65-135*			

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120771 - EPA 5030, waters										
Matrix Spike Dup (2120771-MSD1)	**Source: MLL0604-03**			Prepared & Analyzed: 12/27/02						
Gasoline Range Organics	2750	50	ug/l	2750	28	99	65-135	2	20	
Benzene	42.0	0.50	"	34.0	ND	124	65-135	3	20	
Toluene	209	0.50	"	208	0.34	100	65-135	3	20	
Ethylbenzene	48.2	0.50	"	49.0	ND	98	65-135	4	20	
Xylenes (total)	227	0.50	"	241	0.41	94	65-135	3	20	
Methyl tert-butyl ether	116	2.5	"	56.0	60	100	65-135	0.9	20	
Surrogate: a,a,a-Trifluorotoluene	*329*		"	*300*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*292*		"	*300*		*97*	*65-135*			
Batch 2120772 - EPA 5030, waters										
Blank (2120772-BLK1)				Prepared & Analyzed: 12/27/02						
Gasoline Range Organics	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	*283*		"	*300*		*94*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*298*		"	*300*		*99*	*65-135*			
Laboratory Control Sample (2120772-BS1)				Prepared & Analyzed: 12/27/02						
Gasoline Range Organics	2570	50	ug/l	2750		93	65-135			
Benzene	40.9	0.50	"	34.0		120	65-135			
Toluene	208	0.50	"	208		100	65-135			
Ethylbenzene	43.4	0.50	"	49 0		89	65-135			
Xylenes (total)	221	0 50	"	241		92	65-135			
Methyl tert-butyl ether	53.3	2.5	"	56.0		95	65-135			
Surrogate: a,a,a-Trifluorotoluene	*319*		"	*300*		*106*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*325*		"	*300*		*108*	*65-135*			

Sequoia Analytical

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

URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120772 - EPA 5030, waters										
Matrix Spike (2120772-MS1)	**Source: MLL0604-08**			Prepared & Analyzed: 12/27/02						
Gasoline Range Organics	2500	50	ug/l	2750	120	87	65-135			
Benzene	40.6	0.50	"	34 0	ND	119	65-135			
Toluene	205	0.50	"	208	0.44	98	65-135			
Ethylbenzene	43.4	0.50	"	49.0	0.94	87	65-135			
Xylenes (total)	219	0.50	"	241	0.52	91	65-135			
Methyl tert-butyl ether	222	2.5	"	56.0	140	146	65-135			QM-07
Surrogate: a,a,a-Trifluorotoluene	*329*		"	*300*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*301*		"	*300*		*100*	*65-135*			
Matrix Spike Dup (2120772-MSD1)	**Source: MLL0604-08**			Prepared & Analyzed: 12/27/02						
Gasoline Range Organics	2620	50	ug/l	2750	120	91	65-135	5	20	
Benzene	40.4	0.50	"	34.0	ND	119	65-135	0 5	20	
Toluene	207	0.50	"	208	0.44	99	65-135	1	20	
Ethylbenzene	43.6	0.50	"	49.0	0.94	87	65-135	0.5	20	
Xylenes (total)	221	0.50	"	241	0.52	91	65-135	0.9	20	
Methyl tert-butyl ether	213	2 5	"	56.0	140	130	65-135	4	20	
Surrogate: a,a,a-Ti ifluorotoluene	*324*		"	*300*		*108*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*328*		"	*300*		*109*	*65-135*			

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URS Corporation	Project: BP Heritage Site #11126, Emeryville, CA	MLL0604
500 12th Street, Suite 100	Project Number: BP Heritage Site #11126, Emeryville, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	01/03/03 13:04

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
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-04	Primary and confirmation results varied by greater than 40% RPD. The results may still be useful for their intended purpose.
S-04	The surrogate recovery for this sample is outside control limits due to interference from the sample matrix.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 12/13/02 Requested Due Date (mm/dd/yy)

MLL 0604

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

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 1700 POWELL ST., EMERYVILLE, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr.	Site ID No. 11126	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600100208	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant: Tele/Fax: 510-874-3101 / 510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Robert Horwath
Report Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.: 400-6-21124	Tele/Fax:	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: TDS	Sample Point Lat/Long and Comments
1	mw-1	1240		X			01	3				X	X		X				
2	mw-2	1255		X			02	3				X	X		X				
3	mw-3	1120		X			03	7	2			5	X	X	X			X	
4	mw-4	1220		X			04	3				X	X		X				
5	mw-5	1016		X			05	3				X	X		X				
6	mw-6	1052		X			06	3				X	X		X				
7	mw-7	1202		X			07	3				X	X		X				
8	mw-8	1141		X			08	3				X	X		X				
9	mw-9	1320		X			09	3				X	X		X				
10																			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Ryan Hansted						
Sampler's Company: Blaine Tech	[signature] BTS	12/13/02	1053	[signature]	12/16/02	1053
Shipment Date:	[signature]	12/16/02		Hatia	12/16	1300
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 ✓

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: UPS
REC. BY (PRINT): HT
WORKORDER: M12060 04

DATE Received at Lab: 12/16/02
TIME Received at Lab: 1700
LOG IN DATE: 12-18-02

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)	01		MW1	3 voa (HCl)	W	12/13	
	Intact / Broken*	02		2	↓	↓	↓	
2. Chain-of-Custody	(Present) / Absent*	03		3	3 voa (HCl)			
3. Traffic Reports or Packing List:	Present / (Absent)	↓			4 1l amber			
					1 1l amber (HCl)			
4. Airbill:	Airbill / Sticker	04		MW4	3 voa (HCl)			
	Present / (Absent)	05		5				
5. Airbill #:		06		6				
6. Sample Labels:	(Present) / Absent	07		7				
7. Sample IDs:	(Listed) / Not Listed	08		8				
	on Chain-of-Custody	09		9	↓	↓	↓	
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*						(12/16/02)	
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):								

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

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 #11126,
Work Order Number:	MLL0604
Global ID:	T0600100208
Lab Report Number:	MLL0604010320031304

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MLL06040103200 31304	MW-1	MLL060401	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120771	1	SEQP
MLL06040103200 31304	MW-2	MLL060402	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120771	1	SEQP
MLL06040103200 31304	MW-3	MLL060403	W	CS	E1664A	METHOD	12/13/02	12/19/02	12/23/02	2L19029	1	
MLL06040103200 31304	MW-3	MLL060403	W	CS	M8015	3510ARO	12/13/02	12/19/02	12/30/02	2L19042	1	
MLL06040103200 31304	MW-3	MLL060403	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120771	1	SEQP
MLL06040103200 31304	MW-4	MLL060404	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120771	1	SEQP
MLL06040103200 31304	MW-5	MLL060405	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120772	1	SEQP
MLL06040103200 31304	MW-6	MLL060406	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120772	1	SEQP
MLL06040103200 31304	MW-7	MLL060407	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120772	1	SEQP
MLL06040103200 31304	MW-8	MLL060408	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120772	1	SEQP
MLL06040103200 31304	MW-9	MLL060409	W	CS	SW8020F	SW5030	12/13/02	12/27/02	12/27/02	2120771	1	SEQP
		2120771BS1	WQ	BS1	SW8020F	SW5030	/ /	12/27/02	12/27/02	2120771	1	SEQP
		2120771BLK1	WQ	LB1	SW8020F	SW5030	/ /	12/27/02	12/27/02	2120771	1	SEQP
		2120771MS1	W	MS1	SW8020F	SW5030	/ /	12/27/02	12/27/02	2120771	1	SEQP
		2120771MSD1	W	SD1	SW8020F	SW5030	/ /	12/27/02	12/27/02	2120771	1	SEQP
		2120772BS1	WQ	BS1	SW8020F	SW5030	/ /	12/27/02	12/27/02	2120772	1	SEQP
		2120772BLK1	WQ	LB1	SW8020F	SW5030	/ /	12/27/02	12/27/02	2120772	1	SEQP
		2120772MS1	W	MS1	SW8020F	SW5030	/ /	12/27/02	12/27/02	2120772	1	SEQP
		2120772MSD1	W	SD1	SW8020F	SW5030	/ /	12/27/02	12/27/02	2120772	1	SEQP
		2L19029BSD1	WQ	BD1	E1664A	METHOD	/ /	12/19/02	12/23/02	2L19029	1	
		2L19029BS1	WQ	BS1	E1664A	METHOD	/ /	12/19/02	12/23/02	2L19029	1	
		2L19029BLK1	WQ	LB1	E1664A	METHOD	/ /	12/19/02	12/23/02	2L19029	1	
		2L19042BSD1	WQ	BD1	M8015	3510ARO	/ /	12/19/02	12/27/02	2L19042	1	
		2L19042BS1	WQ	BS1	M8015	3510ARO	/ /	12/19/02	12/27/02	2L19042	1	
		2L19042BLK1	WQ	LB1	M8015	3510ARO	/ /	12/19/02	12/27/02	2L19042	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	2120771MS1	MS1	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning. extra parameter	2120771MS1	MS1	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	2120771MS1	MS1	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	2120771MSD1	SD1	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	2120771MSD1	SD1	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	2120771MSD1	SD1	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	2120772MS1	MS1	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	2120772MS1	MS1	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	2120772MS1	MS1	W	SW8020F	PR	12/27/02	1	MTBE
Warning' extra parameter	2120772MSD1	SD1	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	2120772MSD1	SD1	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	2120772MSD1	SD1	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	MLL060401	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060401	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning extra parameter	MLL060401	CS	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	MLL060402	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060402	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	MLL060402	CS	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	MLL060403	CS	W	E1664A	PR	12/23/02	1	OILGREASE
Warning: extra parameter	MLL060403	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060403	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning. extra parameter	MLL060403	CS	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	MLL060404	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060404	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning' extra parameter	MLL060404	CS	W	SW8020F	PR	12/27/02	1	MTBE

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MLL060405	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060405	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	MLL060405	CS	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	MLL060406	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060406	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	MLL060406	CS	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	MLL060407	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060407	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	MLL060407	CS	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	MLL060408	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060408	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	MLL060408	CS	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	MLL060409	CS	W	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	MLL060409	CS	W	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	MLL060409	CS	W	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	2120771BLK1	LB1	WQ	SW8020F	PR	12/27/02	1	AAATFBZME
Warning. extra parameter	2120771BLK1	LB1	WQ	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	2120771BLK1	LB1	WQ	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	2120771BS1	BS1	WQ	SW8020F	PR	12/27/02	1	AAATFBZME
Warning. extra parameter	2120771BS1	BS1	WQ	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	2120771BS1	BS1	WQ	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	2120772BLK1	LB1	WQ	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	2120772BLK1	LB1	WQ	SW8020F	PR	12/27/02	1	BR4FBZ
Warning. extra parameter	2120772BLK1	LB1	WQ	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	2120772BS1	BS1	WQ	SW8020F	PR	12/27/02	1	AAATFBZME
Warning: extra parameter	2120772BS1	BS1	WQ	SW8020F	PR	12/27/02	1	BR4FBZ
Warning: extra parameter	2120772BS1	BS1	WQ	SW8020F	PR	12/27/02	1	MTBE
Warning: extra parameter	2L19029BLK1	LB1	WQ	E1664A	PR	12/23/02	1	OILGREASE
Warning: extra parameter	2L19029BS1	BS1	WQ	E1664A	PR	12/23/02	1	OILGREASE

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2L19029BSD1	BD1	WQ	E1664A	PR	12/23/02	1	OILGREASE

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	/ /				

AB2886 Electronic Delivery

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Your EDF file has been succcessfully uploaded!

Confirmation Number: 6663024604
Date/Time of Submittal: 1/28/2003 5:08:15 PM
Facility Global ID: T0600100208
Facility Name: BP MOBIL
Submittal Title: Fourth Quarter 2002 Monitoring Report
Submittal Type: GW Monitoring Report

Logged in as URSCORP-FORMERBP (AUTH_RP) CONTACT SITE ADMINISTRATOR.

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Submittal Title:	**Fourth Quarter 2002 Monitoring Report**
Submittal Date/Time:	**1/28/2003 5:09:48 PM**
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