URS

Alameda County

JUN 2 7 2003

Environmental Health

June 20, 2003

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

Re: **Second Quarter 2003 Groundwater Monitoring Report**
Former BP Service Station #11117
7210 Bancroft Avenue
Oakland, California
URS Project #38486242

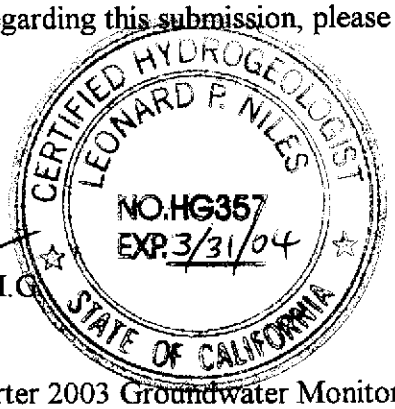
Dear Mr. Hwang:

On behalf of the Group Environmental Management Company (a BP affiliated company), URS Corporation (URS) is submitting the *Second Quarter 2003 Groundwater Monitoring Report* for the Former BP Service Station #11117, located at 7210 Bancroft Avenue, Oakland, California.

If you have any questions regarding this submission, please call me at (510) 874-1720.

Sincerely,

URS CORPORATION



Leonard P. Niles

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

Enclosure: Second Quarter 2003 Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, P.O. Box 6549 Moraga, CA 94570
Ms. Liz Sewell, ConocoPhillips, 76 Broadway, Sacramento, CA 95818

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

REPORT

SECOND QUARTER 2003 GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11117
7210 BANCROFT AVENUE
OAKLAND, CALIFORNIA

Prepared for
BP GEM

June 20, 2003

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

38486242

Date: June 20, 2003

Quarter: 2Q 03

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11117	Address:	7210 Bancroft Avenue, Oakland, CA
BP Environmental Engineer:			Paul Supple
Consulting Co./Contact Person:			URS Corporation/ Leonard Niles
Consultant Project No.:			38486242
Primary Agency/Regulatory ID No.:			Alameda County Health Care Service Agency

WORK PERFORMED THIS QUARTER (Second – 2003):

1. Performed second quarter groundwater monitoring event on May 12, 2003.
2. Prepared and submitted first quarter 2003 groundwater monitoring report.
3. Prepare and submit second quarter 2003 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Third – 2003):

1. Perform third quarter 2003 groundwater monitoring event.
2. Prepare and submit third quarter 2003 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-1, -2, -4, -6, -7, -10 quarterly; Wells MW-3 and MW-9 semi-annually (first and third quarter); Well MW-8 annually (first quarter)
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None currently
Approximate Depth to Groundwater:	13.63 (MW-8) to 21.44 (MW-7) feet
Groundwater Gradient (direction):	North-Northwest
Groundwater Gradient (magnitude):	0.055 feet per foot

DISCUSSION:

TPH-g was detected in three out of six wells sampled at concentrations ranging from 1,500 µg/L (MW-10) to 150,000 µg/L (MW-2). Benzene was detected in two wells at concentrations of 7,600 µg/L (MW-4) to 16,000 µg/L (MW-2). MTBE was detected in five wells at concentrations ranging from 36 µg/L (MW-6) to 26,000 µg/L (MW-4). During the next quarterly monitoring event, groundwater samples will be analyzed by EPA Method 8260 for oxygenates including ethanol, as a one-time event.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – May 12, 2003
- 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 #11117
7210 Bancroft Avenue, Oakland, 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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-1	1/5/92	49.80		33.16	---	16.64		57000	50000		2400	1000	1100	3100	---		ND	---	---
MW-1	1/10/92	49.80		33.16	---	16.64		---	---		---	---	---	---	---		---	---	---
MW-1	6/5/92	49.80		29.01	---	20.79		31000	---		2800	2100	800	2300	---		---	---	---
MW-1	7/24/92	49.80		29.45	---	20.35		---	---		---	---	---	---	---		---	---	---
MW-1	7/27/92	49.80		29.45	---	20.35		---	---		---	---	---	---	---		---	---	---
MW-1	9/15/92	49.80		30.53	---	19.27		40000	1200	(c)	3400	3000	1300	3400	---		---	---	ANA
QC-1 (d)	9/15/92	---		---	---	---		36000	---		3800	3400	1400	3800	---		---	---	ANA
MW-1	12/15/92	49.80		31.26	---	18.54		27000	1100	(c)	1700	580	700	1900	---		---	---	ANA
QC-1 (d)	12/15/92	---		---	---	---		22000	---		1500	440	510	1300	---		---	---	ANA
MW-1	3/15/93	49.80		24.80	---	25.00		17000	580		1700	1200	590	1800	---	(l)	---	---	PACE
QC-1 (d)	3/15/93	---		---	---	---		15000	---		1100	860	440	1400	---	(l)	---	---	PACE
MW-1	6/7/93	49.80		25.01	---	24.79		750	100		0.8	0.8	ND<0.5	ND<0.5	---	(l)	---	---	PACE
QC-1 (d)	6/7/93	---		---	---	---		720	---		0.7	0.7	ND<0.5	ND<0.5	---	(l)	---	---	PACE
MW-1	9/23/93	49.80		28.70	---	21.10		40000	770		4000	500	920	3000	6619	(e)(l)	---	---	PACE
MW-1	12/27/93	49.80		28.66	---	21.14		27000	---		2000	400	940	2600	13558	(e)(l)	---	---	PACE
QC-1 (d)	12/27/93	---		---	---	---		21000	---		1700	380	830	2400	9219	(e)(l)	---	---	PACE
MW-1	4/5/94	49.80		26.37	---	23.43		27000	---		3400	930	950	2900	8595	(e)(l)	---	---	PACE
QC-1 (d)	4/5/94	---		---	---	---		29000	---		3700	1000	1000	3100	9672	(e)(l)	---	1.3	PACE
MW-1	7/22/94	49.80		26.54	---	23.26		1700	---		220	2.3	2.0	3.4	262	(e)(l)	---	2.0	PACE
MW-1	10/13/94	49.80		27.46	---	22.34		1200	---		250	21	ND<0.5	3.2	321	(e)(l)	---	2.6	PACE
MW-1	1/25/95	49.80		20.96	---	28.84		1000	---		420	8	13	4	---		---	---	ATI
MW-1	4/19/95	49.80		19.59	---	30.21		5200	---		420	51	230	340	---		---	6.0	ATI
MW-1	7/5/95	49.80		19.61	---	30.19		320	---		4.2	ND<0.50	ND<0.50	ND<1.0	---		---	4.6	ATI
MW-1	10/5/95	49.80		24.40	---	25.40		5800	---		1000	40	31	180	7800		---	2.3	ATI
MW-1	1/12/96	49.80		25.44	---	24.36		370	---		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	3.7	ATI
MW-1	4/22/96	49.80		18.02	---	31.78		ND<50	---		ND<0.5	ND<1	ND<1	ND<1	ND<10		---	3.9	SPL
MW-1	7/2/96	49.80		19.72	---	30.08		---	---		---	---	---	---	---		---	---	---
MW-1	7/3/96	49.80		---	---	---		ND<250	---		ND<2.5	ND<5	ND<5	ND<5	ND<50		---	3.6	SPL
MW-1	11/8/96	49.80		19.98	---	29.82		ND<50	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.3	SPL
MW-1	1/3/97	49.80		19.49	---	30.31		ND<50	---		ND<0.5	14	ND<1.0	ND<1.0	ND<10		---	4.6	SPL
MW-1	4/28/97	49.80		20.20	---	29.60		ND<50	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.9	SPL
MW-1	7/1/97	49.80		22.53	---	27.27		ND<50	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.9	SPL
MW-1	10/2/97	49.80		24.27	---	25.53		ND<50	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.6	SPL
MW-1	1/9/98	49.80		21.07	---	28.73		ND<50	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.2	SPL
MW-1	5/6/98	49.80		14.94	---	34.86		60	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
MW-1	7/21/98	49.80		15.11	---	34.69		70	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
MW-1	12/30/98	49.80		19.95	---	29.85		---	---		---	---	---	---	---		---	---	---

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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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-1	2/2/99	49.80		19.12	---	30.68		420	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	390	---	---	SPL
MW-1	5/10/99	49.80		15.51	---	34.29		---	---	---	---	---	---	---	---	---	---
MW-1	9/23/99	49.80		21.65	---	28.15		440	---	49	ND<1.0	ND<1.0	ND<1.0	910	---	---	SPL
MW-1	12/23/99	49.80		22.32	---	27.48		---	---	---	---	---	---	---	---	---	---
MW-1	3/27/00	49.80		15.72	---	34.08		2500	---	230	3.0	83	36	4400	---	---	PACE
MW-1	5/22/00	49.80		16.92	---	32.88		---	---	---	---	---	---	---	---	---	---
MW-1	8/31/00	49.80		20.12	---	29.68		1700	---	18	5.5	7.9	5.0	510	---	---	PACE
MW-1	12/11/00	49.80		20.72	---	29.08		---	---	---	---	---	---	---	---	---	---
MW-1	3/20/01	49.80		15.91	---	33.89		880	---	38.2	ND<0.5	24.1	ND<1.5	391	---	---	PACE
MW-1	6/19/01	49.80		18.38	---	31.42		---	---	---	---	---	---	---	---	---	---
MW-1	9/20/01	49.80		21.23	---	28.57		3200	---	400	19.8	42	32.5	2510	---	---	PACE
MW-1	12/27/01	49.80		16.72	---	33.08		750	---	70.1	0.536	4.74	3.76	649	---	---	PACE
MW-1	2/28/02	49.80		15.25	---	34.55		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	8.7	---	---	PACE
MW-1	6/28/02	49.80		16.57	---	33.23		110	---	0.977	ND<0.5	0.818	ND<1.0	8.35	---	---	PACE
MW-1	09/12/2002*	49.80		18.41	---	31.39		98	---	2.7	1.5	1.5	5.4	48	---	---	SEQ
MW-1	12/12/02	49.80		20.26	---	29.54		210	---	1.9	ND<0.50	ND<0.50	ND<0.50	32	---	---	SEQ
MW-1	3/10/03	49.80		16.22	---	33.58		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.2	---	---	SEQ
MW-1	**5/12/03**	**49.80**		**14.30**	**---**	**35.50**		**ND<50**	**---**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<2.5**	**---**	**---**	**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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-2	1/5/92	51.07		DRY	---	DRY		---	---		---	---	---	---	---		---	---	---
MW-2	1/10/92	51.07		DRY	---	DRY		---	---		---	---	---	---	---		---	---	---
MW-2	6/5/92	51.07		30.05	---	21.02		11000	---		2000	180	490	1900	---		---	---	---
MW-2	7/24/92	51.07		30.72	---	20.35		---	---		---	---	---	---	---		---	---	---
MW-2	7/27/92	51.07		30.52	---	20.55		---	---		---	---	---	---	---		---	---	---
MW-2	9/15/92	51.07		31.56	---	19.51		75000	3200	(c)	2000	6500	2300	13000	---		---	---	ANA
MW-2	12/15/92	51.07		32.40	---	18.67		34000	1600	(c)	6200	8900	2000	7900	---		---	---	ANA
MW-2	3/15/93	51.07		26.14	---	24.93		150000	8400		12000	18000	3200	22000	82000	(e)	---	---	PACE
MW-2 (f)	6/7/93	51.07		26.38	SHEEN	24.69		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	9/23/93	51.07		31.43	1.92	21.08		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	12/27/93	51.07		34.07	1.07	17.80		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	4/5/94	51.07		30.44	3.30	23.11		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	7/22/94	51.07		28.51	0.80	23.16		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	10/13/94	51.07		29.33	0.70	22.27		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	1/25/95	51.07		25.55	4.25	28.71		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	4/19/95	51.07		19.78	0.12	31.38		---	---		---	---	---	---	---		---	---	---
MW-2	7/5/95	51.07		20.88	0.09	30.26		140000	---		14000	30000	3500	26000	---		---	---	ATI
MW-2 (f)	10/5/95	51.07		24.68	0.10	26.47		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	1/12/96	51.07		25.72	0.06	25.40		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	4/22/96	51.07		19.33	0.08	31.80		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	7/2/96	51.07		20.01	0.04	31.09		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	11/8/96	51.07		20.28	0.01	30.80		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	1/3/97	51.07		19.87	0.02	31.22		---	---		---	---	---	---	---		---	---	---
MW-2	4/28/97	51.07		20.59	0.01	30.49		560000	---		1200	1300	290	2310	6100		---	3.9	SPL
MW-2	7/1/97	51.07		22.90	0.01	28.18		24000	---		15000	16000	4900	24400	63000		---	3.7	SPL
QC-1 (d)	7/1/97	---		---	---	---		150000	---		14000	13000	1800	14200	57000		---	---	SPL
MW-2	10/2/97	51.07		24.65	0.02	26.44		---	---		---	---	---	---	---		---	---	---
MW-2	10/3/97	51.07		---	---	---		250000	---		32000	39000	6000	42000	160000		---	4.5	SPL
MW-2	1/9/98	51.07		21.22	0.01	29.86		420000	---		23000	29000	5800	43000	75000		---	4.0	SPL
QC-1 (d)	1/9/98	---		---	---	---		300000	---		20000	25000	5200	37000	84000		---	---	SPL
MW-2	5/6/98	51.07		15.10	0.01	35.98		180000	---		25000	26000	3400	22900	35000		---	3.7	SPL
MW-2	7/21/98	51.07		15.31	0.01	35.77		270000	---		21000	20000	2700	18800	34000		---	3.8	SPL
MW-2	12/30/98	51.07		21.10	0.10	30.05		300000	---		22000	24000	4200	26000	89000/9500(	(j)	---	---	SPL
MW-2	2/2/98	51.07		20.11	---	30.96		410000	---		27000	43000	6700	50000	20000		---	---	SPL
MW-2	5/10/99	51.07		16.68	---	34.39		220000	---		20000	20000	2800	20000	100000		---	---	SPL
MW-2	9/23/99	51.07		22.50	---	28.57		160000	---		21000	24000	2900	20000	44000		---	---	SPL
MW-2 (k)	12/23/99	51.07		22.64	---	28.43		170000	---		25000	41000	3100	24000	40000		---	---	PACE

Table 1
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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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-2	3/27/00	51.07		16.88	---	34.19		140000	---	15000	25000	3400	21000	19000	---	---	PACE
MW-2	5/22/00	51.07		17.75	---	33.32		150000	---	18000	31000	3500	22000	26000	---	---	PACE
MW-2	8/31/00	51.07		21.97	---	29.10		200000	---	16000	26000	2500	16000	38000	---	---	PACE
MW-2	12/11/00	51.07		22.05	---	29.02		130000	---	18600	30000	3250	20600	21700	---	---	PACE
MW-2	3/20/01	51.07		17.75	---	33.32		140000	---	15900	24800	3700	22100	12900	---	---	PACE
MW-2	6/19/01	51.07		20.15	---	30.92		130000	---	15100	19500	3300	21400	20300	---	---	PACE
MW-2	9/20/01	51.07		22.14	---	28.93		110000	---	12400	12600	2230	13000	39500	---	---	PACE
MW-2	12/27/01	51.07		18.17	---	32.90		150000	---	17500	26000	3050	19500	27500	---	---	PACE
MW-2	2/28/02	51.07		17.42	---	33.65		120000	---	13900	18800	3030	19600	17300	---	---	PACE
MW-2	06/28/2002***	51.07		17.04	---	34.03		3700	---	190	23.3	139	287	826	---	---	PACE
MW-2	09/12/2002*	51.07		19.52	---	31.55		100,000	---	13,000	22,000	3,600	20,000	18,000	---	---	SEQ
MW-2	12/12/02	51.07		21.08	---	29.99		120,000	---	13,000	21,000	4,400	25,000	16,000	---	---	SEQ
MW-2	3/10/03	51.07		17.84	---	33.23		100,000	---	17,000	21,000	3,400	20,000	4,400	---	---	SEQ
MW-2	**5/12/03**	**51.07**		**16.66**	**---**	**34.41**		**150,000**	**---**	**16,000**	**24,000**	**3,500**	**22,000**	**3,600**	**---**	**---**	**SEQ**

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7210 Bancroft Avenue, Oakland, 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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-3	1/5/92	49.95		33.69	---	16.26		7400	4000	790	23	210	40	---		ND	---	---
MW-3	1/10/92	49.95		33.74	---	16.21		---	---	---	---	---	---	---		---	---	---
MW-3	6/5/92	49.95		29.65	---	20.30		2000	---	130	5.3	93	20	---		---	---	---
MW-3	7/24/92	49.95		30.14	---	19.81		---	---	---	---	---	---	---		---	---	---
MW-3	7/27/92	49.95		30.14	---	19.81		---	---	---	---	---	---	---		---	---	---
MW-3	9/15/92	49.95		31.07	---	18.88		450	ND<50	55	3.1	34	7.1	---		---	---	ANA
MW-3	12/15/92	49.95		31.93	---	18.02		12000	710 (c)	940	ND<50	310	120	---		---	---	ANA
MW-3	3/15/93	49.95		25.71	---	24.24		ND<50	60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	---	PACE
MW-3	6/7/93	49.95		25.80	---	24.15		150	ND<50	3.6	ND<0.5	0.9	1.3	---	(l)	---	---	PACE
MW-3	9/23/93	49.95		29.18	---	20.77		---	---	---	---	---	---	---		---	---	---
MW-3	9/24/93	49.95		---	---	---		160	ND<50	8.4	ND<0.5	3.7	1.3	15.3	(l)	---	---	PACE
MW-3	12/27/93	49.95		29.25	---	20.70		9400	---	1100	48	530	120	2871	(e)(l)	---	---	PACE
MW-3	4/5/94	49.95		26.84	---	23.11		7000	---	860	19	330	52	10414	(l)	---	2.0	PACE
MW-3	7/22/94	49.95		26.90	---	23.11		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	2.1	PACE
MW-3	10/13/94	49.95		27.83	---	22.12		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	2.6	PACE
MW-3	1/25/95	49.95		21.65	---	28.30		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	ATI
MW-3	4/19/95	49.95		19.33	---	30.62		2400	---	170	8.0	130	27	---		---	5.0	ATI
MW-3	7/5/95	49.95		20.27	---	29.68		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	4.4	ATI
MW-3	10/5/95	49.95		23.73	---	26.22		2300	---	210	3.1	10	5.1	2400		---	4.2	ATI
MW-3	1/12/96	49.95		24.84	---	25.11		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	4.1	ATI
MW-3	4/22/96	49.95		18.60	---	31.35		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	4.4	SPL
MW-3	7/2/96	49.95		18.88	---	31.07		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	4.2	SPL
MW-3	11/8/96	49.95		19.14	---	30.81		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.4	SPL
MW-3	1/3/97	49.95		18.72	---	31.23		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.6	SPL
MW-3	4/28/97	49.95		19.38	---	30.57		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.2	SPL
MW-3	7/1/97	49.95		21.65	---	28.30		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
MW-3	10/2/97	49.95		23.45	---	26.50		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.5	SPL
MW-3	1/9/98	49.95		20.10	---	29.85		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.1	SPL
MW-3	5/6/98	49.95		15.57	---	34.38		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
MW-3	7/21/98	49.95		15.88	---	34.07		51	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL
QC-1 (d)	7/21/98	---		---	---	---		60	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	SPL
MW-3	12/30/98	49.95		20.30	---	29.65		---	---	---	---	---	---	---		---	---	SPL
MW-3	2/2/99	49.95		19.75	---	30.20		ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	SPL
MW-3	5/10/99	49.95		16.17	---	33.78		---	---	---	---	---	---	---		---	---	---
MW-3	9/23/99	49.95		22.05	---	27.90		---	---	---	---	---	---	---		---	---	---
MW-3	12/23/99	49.95		22.55	---	27.40		---	---	---	---	---	---	---		---	---	---
MW-3	3/27/00	49.95		16.40	---	33.55		350	---	22	ND<0.5	ND<0.5	ND<0.5	580		---	---	PACE

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Former BP Service Station #11117
7210 Bancroft Avenue, Oakland, 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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-3	5/22/00	49.95		9.49**	---	40.46		---	---	---	---	---	---	---	---	---	---
MW-3	8/31/00	49.95		13.02**	---	36.93		---	---	---	---	---	---	---	---	---	---
MW-3	12/11/00	49.95		13.30**	---	36.65		---	---	---	---	---	---	---	---	---	---
MW-3	3/20/01	49.95		16.49	---	33.46		1000	---	66.4	0.597	6.96	ND<1.5	398	---	---	PACE
MW-3	6/19/01	49.95		18.82	---	31.13		---	---	---	---	---	---	---	---	---	---
MW-3	9/20/01	49.95		21.59	---	28.36		230	---	ND<0.5	0.593	ND<0.5	ND<1.5	289	---	---	PACE
MW-3	12/27/01	49.95		17.37	---	32.58		---	---	---	---	---	---	---	---	---	---
MW-3	2/28/02	49.95		15.81	---	34.14		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	0.58	---	---	PACE
MW-3	6/28/02	49.95		17.09	---	32.86		---	---	---	---	---	---	---	---	---	---
MW-3	09/12/2002*	49.95		18.80	---	31.15		52	---	3.3	8.6	1.7	12	11	---	---	SEQ
MW-3	12/12/02	49.95		20.57	---	29.38		---	---	---	---	---	---	---	---	---	---
MW-3	3/10/03	49.95		16.68	---	33.27		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	---	---	SEQ
MW-3	**5/12/03**	**49.95**		**14.72**	**---**	**35.23**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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Former BP Service Station #11117
7210 Bancroft Avenue, Oakland, 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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-4	7/24/92	50.76		30.02	---	20.74		42000	---		3200	3600	1400	4100	---		---	---	---
MW-4	7/27/92	50.76		30.02	---	20.74		---	---		---	---	---	---	---		---	---	---
MW-4	9/15/92	50.76		31.14	---	19.62		55000	1700	(c)	7600	13000	2800	9500	---		---	---	ANA
MW-4	12/15/92	50.76		31.98	---	18.78		36000	2200	(c)	3700	4700	1200	4000	---		---	---	ANA
MW-4	3/15/93	50.76		25.34	---	25.42		69000	1200		7600	15000	2500	11000	---	(l)	---	---	PACE
MW-4	6/7/93	50.76		25.67	---	25.09		73000	2500		10000	19000	3400	14000	---	(l)	---	---	PACE
MW-4	9/23/93	50.76		29.37	---	21.39		---	---		---	---	---	---	---		---	---	---
MW-4	9/24/93	50.76		---	---	---		68000	5700		11000	2100	8600	990	390	(l)	---	---	PACE
QC-1 (d)	9/24/93	---		---	---	---		59000	---		5300	10000	2200	8400	309	(l)	---	---	PACE
MW-4	12/27/93	50.76		29.40	---	21.36		32000	---		2500	4400	1300	4400	387	(l)	---	---	PACE
MW-4	4/5/94	50.76		27.09	---	23.67		64000	---		6500	14000	1900	9600	413	(l)	---	1.4	PACE
MW-4	7/22/94	50.76		27.33	---	23.43		85000	---		10000	20000	3200	13000	796	(l)	---	0.8	PACE
QC-1 (d)	7/22/94	---		---	---	---		85000	---		11000	21000	3300	14000	435	(l)	---	---	PACE
MW-4	10/13/94	50.76		28.25	---	22.51		51000	---		7100	13000	2100	8900	506	(e)(l)	---	2.9	PACE
QC-1 (d)	10/13/94	---		---	---	---		51000	---		7400	13000	2100	9100	773	(l)	---	---	PACE
MW-4	1/25/95	50.76		21.85	---	28.91		26000	---		3600	9600	1200	6400	---		---	---	ATI
QC-1 (d)	1/25/95	---		---	---	---		28000	---		4200	12000	1500	7800	---		---	---	ATI
MW-4	4/19/95	50.76		19.44	---	31.32		89000	---		12000	24000	3500	18000	---		---	5.1	ATI
QC-1 (d)	4/19/95	---		---	---	---		100000	---		12000	26000	3800	21000	---		---	---	ATI
MW-4	7/5/95	50.76		20.52	---	30.24		130000	---		13000	29000	3300	25000	---		---	4.3	ATI
MW-4	10/5/95	50.76		24.23	---	26.53		110000	---		10000	23000	3600	17000	34000		---	2.1	ATI
MW-4	1/12/96	50.76		25.34	---	25.42		46000	---		3500	8300	1100	8000	3000		---	3.3	ATI
QC-1 (d)	1/12/96	---		---	---	---		40000	---		3500	9000	1200	8700	4300		---	---	ATI
MW-4	4/22/96	50.76		19.13	---	31.63		40000	---		5100	9600	980	11800	29000		---	3.2	SPL
QC-1 (d)	4/22/96	---		---	---	---		61000	---		8300	16000	1600	15200	36000		---	---	SPL
MW-4	7/2/96	50.76		20.67	---	30.09		74000	---		9800	21000	2100	16600	41000		---	3.4	SPL
QC-1 (d)	7/2/96	---		---	---	---		78000	---		9800	21000	1900	15300	42000		---	---	SPL
MW-4	11/8/96	50.76		20.95	---	29.81		100000	---		7900	16000	2500	13700	37000		---	3.7	SPL
QC-1 (d)	11/8/96	---		---	---	---		110000	---		9100	20000	3000	15400	39000		---	---	SPL
MW-4	1/3/97	50.76		20.54	---	30.22		99000	---		17000	30000	4300	22700	79000		---	4.2	SPL
QC-1 (d)	1/3/97	---		---	---	---		66000	---		12000	19000	2900	15000	69000		---	---	SPL
MW-4	4/28/97	50.76		21.28	---	29.48		130000	---		12000	28000	3800	21000	37000		---	3.9	SPL
QC-1 (d)	4/28/97	---		---	---	---		110000	---		11000	26000	3200	18200	34000		---	---	SPL
MW-4	7/1/97	50.76		23.61	---	27.15		110000	---		16000	25000	4900	24400	37000		---	3.6	SPL
MW-4	10/2/97	50.76		25.39	---	25.37		---	---		---	---	---	---	---		---	---	---
MW-4	10/3/97	50.76		---	---	---		66000	---		8200	8600	2700	13400	80000		---	4.4	SPL
QC-1 (d)	10/3/97	---		---	---	---		71000	---		8600	8700	2900	13500	84000		---	---	SPL

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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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-4	1/9/98	50.76		21.25	---	29.51		100000	---	9700	3200	1500	4700	92000	---	3.8	SPL
MW-4	5/6/98	50.76		15.96	---	34.80		430000	---	6900	31000	11000	56000	ND<5000	---	3.9	SPL
QC-1 (d)	5/6/98	---		---	---	---		440000	---	8000	39000	14000	70000	ND<5000	---	---	SPL
MW-4	7/21/98	50.76		16.1	---	34.66		250000	---	11000	26000	5500	26900	29000	---	3.7	SPL
QC-1 (d)	7/21/98	---		---	---	---		210000	---	11000	27000	5600	26800	29000	---	---	SPL
MW-4	12/30/98	50.76		20.91	---	29.85		370000	---	11000	22000	8500	40000	90000/9200((j)	---	---	SPL
MW-4	2/2/99	50.76		20.13	---	30.63		190000	---	4100	19000	4800	32000	28000	---	---	SPL
MW-4	5/10/99	50.76		16.63	---	34.13		2700	---	23	7.1	8.1	25	120	---	---	SPL
MW-4	9/23/99	50.76		22.48	---	28.28		180000	---	11000	29000	7000	38000	12000	---	---	SPL
MW-4 (k)	12/23/99	50.76		22.94	---	27.82		66000	---	6300	5200	2200	7800	35000	---	---	PACE
MW-4	3/27/00	50.76		16.84	---	33.92		120000	---	8700	12000	3800	16000	27000	---	---	PACE
MW-4	5/22/00	50.76		17.85	---	32.91		110000	---	7600	16000	4400	20000	25000	---	---	PACE
MW-4	8/31/00	50.76		21.71	---	29.05		110000	---	8800	7600	3400	14000	18000	---	---	PACE
MW-4	12/11/00	50.76		22.05	---	28.71		70000	---	4580	3480	2550	9220	24400	---	---	PACE
MW-4	3/20/01	50.76		17.68	---	33.08		100000	---	7100	4530	2540	9370	63100	---	---	PACE
MW-4	6/19/01	50.76		19.40	---	31.36		180000	---	7430	14600	5400	25300	36100	---	---	PACE
MW-4 (f)	9/20/01	50.76		22.01	0.03 (m)	28.75		---	---	---	---	---	---	---	---	---	---
MW-4	12/27/01	50.76		17.96	---	32.80		120000	---	6880	9030	2840	14600	32300	---	---	PACE
MW-4	2/28/02	50.76		17.06	---	33.70		80000	---	4920	5450	2220	12300	35900	---	---	PACE
MW-4	6/28/02	50.76		17.76	---	33.00		48000	---	2780	2770	1530	6790	25100	---	---	PACE
MW-4	09/12/2002*	50.76		19.45	---	31.31		46,000	---	4,500	6,800	2,600	10,000	9,100	---	---	SEQ
MW-4	12/12/02	50.76		21.29	---	29.47		36,000	---	5,200	3,400	2,000	6,500	12,000	---	---	SEQ
MW-4	3/10/03	50.76		17.16	---	33.60		70,000	---	7,000	4,800	3,300	13,000	29,000	---	---	SEQ
MW-4	**5/12/03**	**50.76**		**14.51**	**---**	**36.25**		**75,000**	**---**	**7,600**	**3,700**	**3,400**	**13,000**	**26,000**	**---**	**---**	**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)		Organic Lead (ug/L)	DO (ppm)	LAB
MW-6	7/24/92	50.32		30.63	---	19.69		ND	---	1.6	ND	ND	ND	---		---	---	---
MW-6	7/27/92	50.32		30.63	---	19.69		---	---	---	---	---	---	---		---	---	---
MW-6	9/15/92	50.32		31.52	---	18.80		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
MW-6	12/15/92	50.32		32.42	---	17.90		58	ND<50	1.3	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
MW-6	3/15/93	50.32		26.29	---	24.03		ND<50	ND<50	ND<0.5	0.6	ND<0.5	0.7	---	(l)	---	---	PACE
MW-6	6/7/93	50.32		26.33	---	23.99		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	1.5	---	(l)	---	---	PACE
MW-6	9/23/93	50.32		29.64	---	20.68		---	---	---	---	---	---	---		---	---	---
MW-6	9/24/93	50.32		--	---	---		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28.5	(l)	---	---	PACE
MW-6	12/27/93	50.32		29.75	---	20.57		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	55.4	(e)(l)	---	---	PACE
MW-6	4/5/94	50.32		27.26	---	23.06		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	295	(e)(l)	---	1.7	PACE
MW-6	7/22/94	50.32		27.34	---	22.98		350	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	419	(e)(l)	---	4.5	PACE
MW-6 (g)	10/13/94	50.32		---	---	---		---	---	---	---	---	---	---		---	---	---
MW-6	1/25/95	50.32		22.16	---	28.16		240	---	6	ND<0.5	ND<0.5	ND<1	---		---	---	ATI
MW-6 (g)	4/19/95	50.32		---	---	---		---	---	---	---	---	---	---		---	---	---
MW-6	7/5/95	50.32		20.80	---	29.52		180	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	4.9	ATI
MW-6	10/5/95	50.32		24.20	---	26.12		860	---	ND<5.0	ND<5.0	ND<5.0	ND<10	3600		---	2.8	ATI
MW-6	1/12/96	50.32		25.30	---	25.02		860	---	ND<5.0	ND<5.0	ND<5.0	ND<10	2800		---	4.2	ATI
MW-6	4/22/96	50.32		19.13	---	31.19		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	470		---	4.3	SPL
MW-6	7/2/96	50.32		20.66	---	29.66		100	---	ND<0.5	ND<1	ND<1	ND<1	1100		---	4.2	SPL
MW-6	11/8/96	50.32		20.98	---	29.34		1100	---	ND<5	ND<10	ND<10	ND<10	1500		---	4.3	SPL
MW-6	1/3/97	50.32		20.53	---	29.79		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	450		---	4.5	SPL
MW-6	4/28/97	50.32		21.25	---	29.07		1400	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3500		---	4.4	SPL
MW-6	7/1/97	50.32		23.40	---	26.92		6100	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	9100		---	3.9	SPL
MW-6	10/2/97	50.32		25.16	---	25.16		---	---	---	---	---	---	---		---	---	---
MW-6	10/3/97	50.32		—	—	---		330	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2600		---	4.4	SPL
MW-6	1/9/98	50.32		21.13	—	29.19		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	4.3	SPL
MW-6	5/6/98	50.32		16.11	—	34.21		410	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	500		---	3.6	SPL
MW-6	7/21/98	50.32		16.33	---	33.99		4300	---	ND<5	ND<10	ND<10	ND<10	3800		---	4.0	SPL
MW-6	12/30/98	50.32		20.89	---	29.43		---	---	---	---	---	---	---		---	---	---
MW-6	2/2/99	50.32		20.20	---	30.12		---	---	---	---	---	---	---		---	---	---
MW-6	5/10/99	50.32		16.75	---	33.57		---	---	---	---	---	---	---		---	---	---
MW-6	9/23/99	50.32		22.55	---	27.77		ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1600		---	---	SPL
MW-6	12/23/99	50.32		23.00	---	27.32		---	---	---	---	---	---	---		---	---	---
MW-6	3/27/00	50.32		16.89	---	33.43		1700	---	4.4	0.54	ND<0.5	1.0	14000		---	---	PACE
MW-6	5/22/00	50.32		18.02	---	32.30		---	---	---	---	---	---	---		---	---	---
MW-6	8/31/00	50.32		21.62	---	28.70		1200	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3900		---	---	PACE
MW-6	12/11/00	50.32		21.81	---	28.51		---	---	---	---	---	---	---		---	---	---

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11117
7210 Bancroft Avenue, Oakland, 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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-6	3/20/01	50.32		16.97	---	33.35		3300	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	3760	---	---	PACE
MW-6	6/19/01	50.32		19.30	---	31.02		---	---	---	---	---	---	---	---	---	---
MW-6	9/20/01	50.32		22.00	---	28.32		2200	---	2.04	8.1	3.62	13.7	2460	---	---	PACE
MW-6	12/27/01	50.32		17.85	---	32.47		830	---	0.59	ND<0.5	ND<0.5	ND<1.0	1040	---	---	PACE
MW-6	2/28/02	50.32		16.31	---	34.01		1100	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	1450	---	---	PACE
MW-6	6/28/02	50.32		17.57	---	32.75		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	1020	---	---	PACE
MW-6	09/12/2002*	50.32		19.27	---	31.05		190	---	1.9	4.6	1	7.3	480	---	---	SEQ
MW-6	12/12/02	50.32		20.94	---	29.38		270	---	ND<2.5	ND<2.5	ND<2.5	ND<2.5	500	---	---	SEQ
MW-6	3/10/03	50.32		17.11	---	33.21		110	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	190	---	---	SEQ
MW-6	**5/12/03**	**50.32**		**15.18**	**---**	**35.14**		**ND<50**	**---**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**36**	**---**	**---**	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11117
7210 Bancroft Avenue, Oakland, 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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-7	1/25/95	51.40		21.67	---	29.73		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.0	ATI
MW-7	4/19/95	51.40		25.27	---	26.13		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.0	ATI
MW-7	7/5/95	51.40		24.63	---	26.77		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	4.2	ATI
MW-7	10/5/95	51.40		28.21	---	23.19		83	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	77	---	4.5	ATI
MW-7	1/12/96	51.40		29.29	---	22.11		63	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	120	---	4.8	ATI
MW-7	4/22/96	51.40		23.11	---	28.29		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	13	---	4.8	SPL
MW-7	7/2/96	51.40		23.56	---	27.84		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.8	SPL
MW-7	11/8/96	51.40		20.06	---	31.34		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	5.1	SPL
MW-7	1/3/97	51.40		23.42	---	27.98		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.7	SPL
MW-7	4/28/97	51.40		24.12	---	27.28		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.9	SPL
MW-7	7/1/97	51.40		26.40	---	25.00		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.2	SPL
MW-7	10/2/97	51.40		28.14	---	23.26		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.7	SPL
MW-7	1/9/98	51.40		24.02	---	27.38		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.1	SPL
MW-7	5/6/98	51.40		21.00	---	30.40		1900	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1800	---	3.5	SPL
MW-7	7/21/98	51.40		21.17	---	30.23		50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.7	SPL
MW-7	12/30/98	51.40		22.13	---	29.27		---	---	---	---	---	---	---	---	---	---
MW-7	2/2/99	51.40		22.08	---	29.32		---	---	---	---	---	---	---	---	---	---
MW-7	5/10/99	51.40		18.58	---	32.82		---	---	---	---	---	---	---	---	---	---
MW-7	9/23/99	51.40		24.29	---	27.11		70	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	4700	---	---	SPL
MW-7	12/23/99	51.40		24.53	---	26.87		---	---	---	---	---	---	---	---	---	---
MW-7	3/27/00	51.40		18.58	---	32.82		910	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2600	---	---	PACE
MW-7	5/22/00	51.40		19.49	---	31.91		---	---	---	---	---	---	---	---	---	---
MW-7	8/31/00	51.40		22.53	---	28.87		440	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	900	---	---	PACE
MW-7	12/11/00	51.40		22.75	---	28.65		---	---	---	---	---	---	---	---	---	---
MW-7	3/20/01	51.40		18.79	---	32.61		1100	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1210	---	---	PACE
MW-7	6/19/01	51.40		19.82	---	31.58		---	---	---	---	---	---	---	---	---	---
MW-7	9/20/01	51.40		21.35	---	30.05		1300	---	1.21	ND<0.5	ND<0.5	ND<1.5	1550	---	---	PACE
MW-7	12/27/01	51.40		20.36	---	31.04		510	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	643	---	---	PACE
MW-7	2/28/02	51.40		21.86	---	29.54		250	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	317	---	---	PACE
MW-7	6/28/02	51.40		22.64	---	28.76		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	102	---	---	PACE
MW-7	09/12/2002*	51.40		23.51	---	27.89		ND<50	---	ND<0.5	ND<0.5	ND<0.5	1	14	---	---	SEQ
MW-7	12/12/02	51.40		23.75	---	27.65		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	---	---	SEQ
MW-7	3/10/03	51.40		21.25	---	30.15		61	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	99	---	---	SEQ
MW-7	**5/12/03**	**51.40**		**21.44**	**---**	**29.96**		**ND<100**	**---**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**120**	**---**	**---**	**SEQ**

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Groundwater Elevation and Analytical Data
Former BP Service Station #11117
7210 Bancroft Avenue, Oakland, 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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-8	1/25/95	50.88		31.59	---	19.29		54	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.1	ATI
MW-8	4/19/95	50.88		19.18	---	31.70		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.1	ATI
MW-8	7/5/95	50.88		19.03	---	31.85		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	4.5	ATI
MW-8	10/5/95	50.88		24.40	---	26.48		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	4.1	ATI
MW-8	1/12/96	50.88		25.51	---	25.37		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	4.6	ATI
MW-8	4/22/96	50.88		18.00	---	32.88		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.8	SPL
MW-8	7/2/96	50.88		19.83	---	31.05		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.5	SPL
MW-8	11/8/96	50.88		20.09	---	30.79		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.7	SPL
MW-8	1/3/97	50.88		19.72	---	31.16		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.4	SPL
MW-8	4/28/97	50.88		20.44	---	30.44		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.1	SPL
MW-8	7/1/97	50.88		22.72	---	28.16		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.8	SPL
MW-8	10/2/97	50.88		24.51	---	26.37		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.2	SPL
MW-8	1/9/98	50.88		21.17	---	29.71		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.5	SPL
MW-8	5/6/98	50.88		18.34	---	32.54		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.6	SPL
MW-8	7/21/98	50.88		18.55	---	32.33		90	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.3	SPL
MW-8	12/30/98	50.88		20.40	---	30.48		---	---	---	---	---	---	---	---	---	---
MW-8	2/2/99	50.88		19.28	---	31.60		---	---	---	---	---	---	---	---	---	---
MW-8	5/10/99	50.88		15.62	---	35.26		---	---	---	---	---	---	---	---	---	---
MW-8	9/23/99	50.88		21.74	---	29.14		---	---	---	---	---	---	---	---	---	---
MW-8	12/23/99	50.88		22.83	---	28.05		---	---	---	---	---	---	---	---	---	---
MW-8	3/27/00	50.88		16.25	---	34.63		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	PACE
MW-8	5/22/00	50.88		17.06	---	33.82		---	---	---	---	---	---	---	---	---	---
MW-8	8/31/00	50.88		21.72	---	29.16		---	---	---	---	---	---	---	---	---	---
MW-8	12/11/00	50.88		22.03	---	28.85		---	---	---	---	---	---	---	---	---	---
MW-8	3/20/01	50.88		16.23	---	34.65		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.991	---	---	PACE
MW-8	6/19/01	50.88		19.35	---	31.53		---	---	---	---	---	---	---	---	---	---
MW-8	9/20/01	50.88		21.95	---	28.93		---	---	---	---	---	---	---	---	---	---
MW-8	12/27/01	50.88		16.98	---	33.90		---	---	---	---	---	---	---	---	---	---
MW-8	2/28/02	50.88		15.38	---	35.50		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	---	---	PACE
MW-8	6/28/02	50.88		16.97	---	33.91		---	---	---	---	---	---	---	---	---	---
MW-8	09/12/2002*	50.88		19.47	---	31.41		---	---	---	---	---	---	---	---	---	---
MW-8	12/12/02	50.88		20.84	---	30.04		---	---	---	---	---	---	---	---	---	---
MW-8	3/10/03	50.88		16.56	---	34.32		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.0	---	---	SEQ
MW-8	**5/12/03**	**50.88**		**13.63**	**---**	**37.25**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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Former BP Service Station #11117
7210 Bancroft Avenue, Oakland, 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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-9	1/25/95	51.05		22.32	---	28.73		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.4	ATI
MW-9	4/19/95	51.05		19.86	---	31.19		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.2	ATI
MW-9	7/5/95	51.05		20.78	---	30.27		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	4.4	ATI
MW-9	10/5/95	51.05		24.33	---	26.72		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	2.3	ATI
QC-1 (d)	10/5/95	---		---	---	---		52	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	160	---	---	ATI
MW-9	1/12/96	51.05		25.44	---	25.61		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	3.2	ATI
MW-9	4/22/96	51.05		18.01	---	33.04		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	11	---	3.5	SPL
MW-9	7/2/96	51.05		19.70	---	31.35		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	3.3	SPL
MW-9	11/8/96	51.05		19.96	---	31.09		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.7	SPL
MW-9	1/3/97	51.05		19.52	---	31.53		ND<250	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	ND<50	---	4.4	SPL
MW-9	4/28/97	51.05		20.22	---	30.83		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.0	SPL
MW-9	7/1/97	51.05		22.59	---	28.46		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.9	SPL
MW-9	10/2/97	51.05		24.33	---	26.72		---	---	---	---	---	---	---	---	---	---
MW-9	10/3/97	51.05		---	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.4	SPL
MW-9	1/9/98	51.05		21.11	---	29.94		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.9	SPL
MW-9	5/6/98	51.05		18.26	---	32.79		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.0	SPL
MW-9	7/21/98	51.05		18.46	---	32.59		70	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.7	SPL
MW-9 (g)	12/30/98	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	2/2/99	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	5/10/99	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	9/23/99	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	12/23/99	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	3/27/00	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	5/22/00	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	8/31/00	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	12/11/00	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	3/20/01	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9 (g)	6/19/01	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	9/20/01	51.05		22.20	---	28.85		6300	---	2.87	ND<0.5	ND<0.5	ND<1.5	8640	---	---	PACE
MW-9	12/27/01	51.05		18.92	---	32.13		---	---	---	---	---	---	---	---	---	---
MW-9	2/28/02	51.05		17.22	---	33.83		19000	---	1560	61.3	84	111	20200	---	---	PACE
MW-9	6/28/02	51.05		18.20	---	32.85		---	---	---	---	---	---	---	---	---	---
MW-9	09/12/2002*	51.05		19.92	---	31.13		5100	---	570	180	ND<25	220	6400	---	---	SEQ
MW-9	12/12/02	51.05		21.78	---	29.27		---	---	---	---	---	---	---	---	---	---
MW-9	3/10/03	51.05		18.25	---	32.80		26,000	---	2,500	ND<100	ND<100	ND<100	33,000	---	---	SEQ
MW-9	**5/12/03**	**51.05**		**16.29**	**---**	**34.76**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11117
7210 Bancroft Avenue, Oakland, 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)	Organic Lead (ug/L)	DO (ppm)	LAB
MW-10	1/9/98	---	(h)	20.97	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.3	SPL
MW-10	5/6/98	---	(h)	18.07	---	---		800	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	980	---	3.9	SPL
MW-10	7/21/98	---	(h)	18.28	---	---		80	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.0	SPL
MW-10	12/30/98	---	(h)	22.22	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	2/2/99	---	(h)	21.83	---	---		940	---	ND<10	ND<10	ND<10	ND<10	690	---	---	SPL
MW-10	5/10/99	---	(h)	17.99	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	9/23/99	---	(h)	22.61	---	---		ND<50	---	ND<1.0	ND<1.0	ND<1.0	1.4	1000	---	---	SPL
MW-10	12/23/99	---	(h)	23.75	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	3/27/00	---	(h)	18.83	---	---		1900	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28000	---	---	PACE
MW-10	5/22/00	---	(h)	19.47	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	8/31/00	---	(h)	22.64	---	---		1700	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13000	---	---	PACE
MW-10	12/11/00	---	(h)	22.84	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	3/20/01	---	(h)	19.57	---	---		16000	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	11900	---	---	PACE
MW-10	6/19/01	---	(h)	20.63	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	9/20/01	---	(h)	23.07	---	---		5800	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	8160	---	---	PACE
MW-10	12/27/01	---	(h)	20.92	---	---		6600	---	17.3	14.5	ND<12.5	ND<25	7750	---	---	PACE
MW-10	2/28/02	---	(h)	18.52	---	---		3600	---	10.8	ND<0.5	ND<0.5	ND<1.0	5380	---	---	PACE
MW-10	6/28/02	---	(h)	18.41	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	2570	---	---	PACE
MW-10	09/12/2002*	---	(h)	20.57	---	---		660	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	3300	---	---	SEQ
MW-10	12/12/02	---	(h)	22.80	---	---		1400	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	3300	---	---	SEQ
MW-10	3/10/03	---	(h)	19.26	---	---		1,700	---	ND<5.0	ND<5.0	5.3	15	2,800	---	---	SEQ
MW-10	**5/12/03**	**---**	**(h)**	**17.90**	**---**	**---**		**1,500**	**---**	**ND<12**	**ND<12**	**ND<12**	**ND<12**	**2,200**	**---**	**---**	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11117
7210 Bancroft Avenue, Oakland, 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)		Organic Lead (ug/L)	DO (ppm)	LAB
QC-2	(i)	9/15/92	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
QC-2	(i)	12/15/92	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
QC-2	(i)	3/15/93	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	---	PACE
QC-2	(i)	6/7/93	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	---	PACE
QC-2	(i)	9/24/93	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	12/27/93	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	4/5/94	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	7/22/94	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	10/13/94	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	1/25/95	---		---	---	---		ND<50	---	ND<0.5	2	0.6	1	---		---	---	ATI
QC-2	(i)	4/19/95	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ATI
QC-2	(i)	7/5/95	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	ATI
QC-2	(i)	10/5/95	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	ATI
QC-2	(i)	1/12/96	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	ATI
QC-2	(i)	4/22/96	---		---	---	---		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	SPL
QC-2	(i)	7/2/96	---		---	---	---		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 #11117
7210 Bancroft Avenue, Oakland, CA

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
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not analyzed/applicable/measurable
ANA	Anametrix, Inc.
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
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) Concentrations reported as diesel from MW-1, MW-2 and MW-4 are primarily due to the presence of a lighter petroleum product, possibly gasoline or kerosene.

(d) Blind duplicate.

(e) A copy of the documentation for this data is included in Appendix C of Alisto report 10-018-05-004.

(f) Well not sampled due to presence of free product.

(g) Well inaccessible.

(h) Top of casing not surveyed.

(i) Travel blank.

(j) EPA method by 8020\8260.

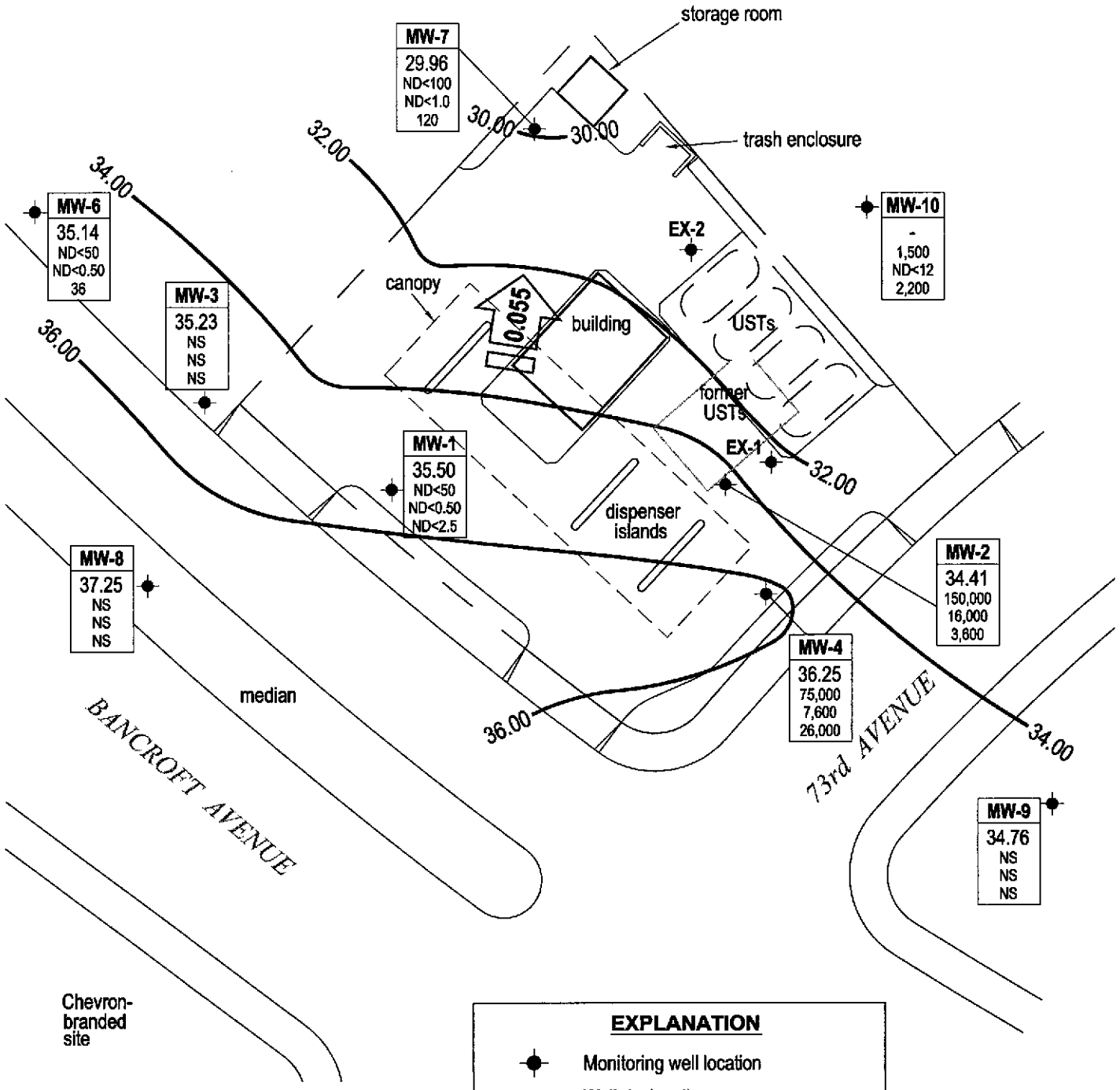
(k) Samples ran outside of EPA recommended hold time.

(l) A copy of the documentation for this data can be found in Blaine Tech Services report 010619-C-2. The MTBE data for the March 15, 1993 and June 7, 1993 events have been destroyed.

(m) Thickness of SPH is only an estimate. The resulting groundwater elevation will not be used in contouring.

* During the third quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP
** Depth to water and resulting groundwater elevation is anamolous and not used in groundwater contouring.
*** Ambiguously low concentrations reported from Cambria. Do not appear to support historic trends.

Source: 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 tenaccuracy of this information.

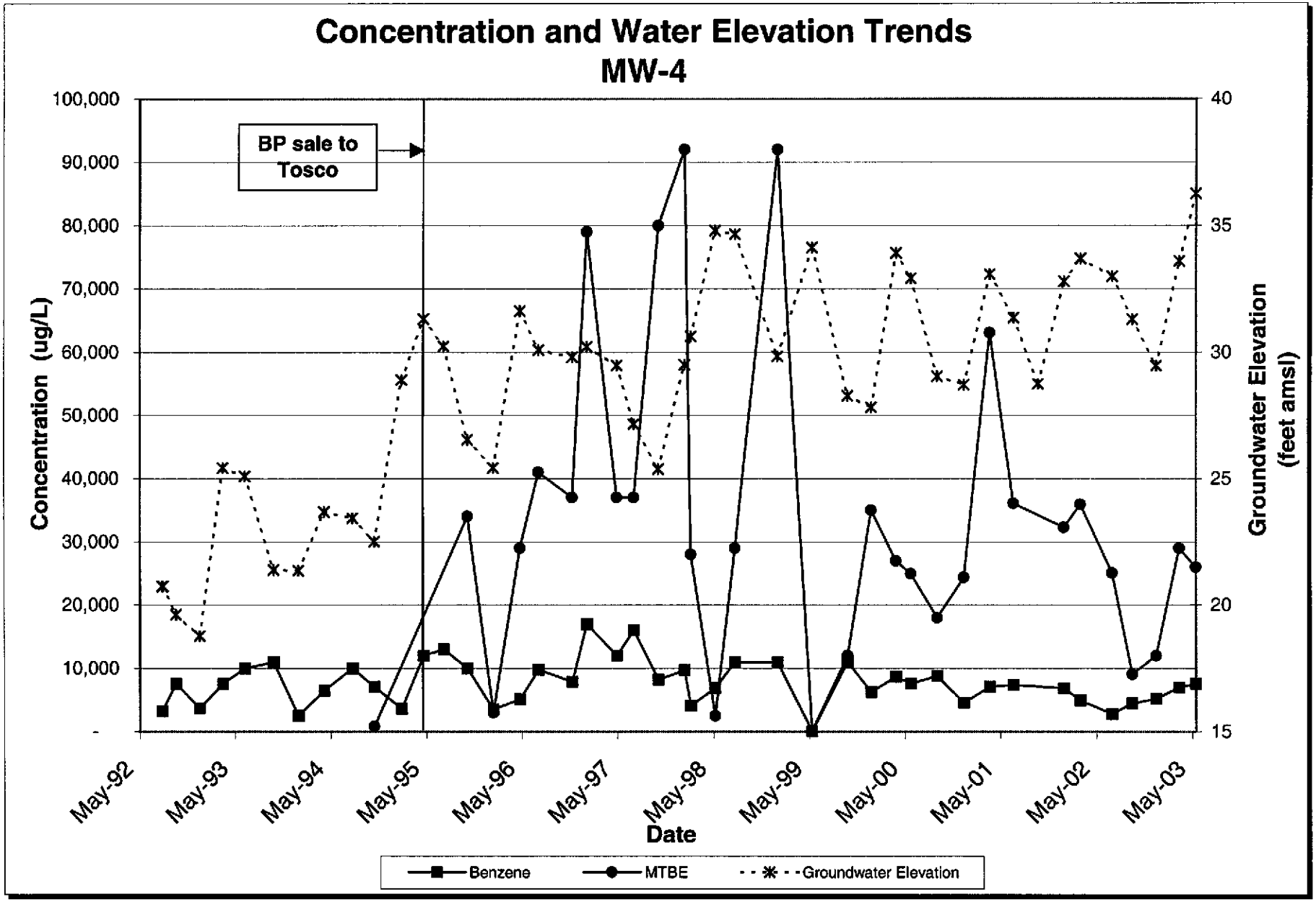


URS	Project No. 38486242 Former BP Service Station #11117 7210 Bancroft Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Second Quarter 2003 (May 12, 2003)	FIGURE 1

X:\x_env_waste\BP GEM\Sites\LNlles Sites\111117\Reports\Monitoring\Qtr 2, 2003\GWEC-AS_5-12.dwg

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS



Former BP Service Station #11117
7210 Bancroft Avenue
Oakland, CA

URS Corporation

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 # 030512-ACI Date 5-12-03 Client BP 11117

Site 7210 Bancroft 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					14.30	36.66	TOC	
MW-2	2					16.66	39.48		
MW-3	2					14.72	40.61		.90
* MW-4	2					14.51	39.60		
* MW-6	2					15.18	39.30		
* MW-7	2					21.44	44.75		
MW-8	2					13.63	39.56		.90
MW-9	2					16.29	38.66		.90
MW-10	2					17.90	35.78		

* MW-7 under pressure - let stabilize for 10 min. prior to gauging
* MW-6 is under pressure - let stabilize for 10 min. prior to gauging
* MW-4 under pressure - let stabilize for 10 min. prior to gauging

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030512-AC1	Station # BP 11117
Sampler: AC	Date: 5-12-03
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 36.66	Depth to Water: 14.30
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
- X Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: _____

Top of Screen: _____

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

3.5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 10.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1032	68.5	7.1	491	3.5	cloudy, gray
1036	67.2	7.2	493	7	cloudy, slight odor
1040	67.0	7.1	492	10.5	" "

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Time: 1045 Sampling Date: 5-12-03

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 #: 030512-AC1	Station # BP 11117
Sampler: AC	Date: 5-12-03
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.48	Depth to Water: 16.66
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 / X Middleburg / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / X Disposable Bailer / Extraction Port / Other: _____

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

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1130	74.8	7.0	462	4	clear, sharp HC odor
1134	74.2	7.0	430	8	" "
1138	74.3	7.1	431	12	" "

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

Sampling Time: 1145 Sampling Date: 5-12-03

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 #: 030512-AC1	Station # BP 11117
Sampler: AC	Date: 5-12-03
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.60	Depth to Water: 14.51
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 / X Middleburg / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / X Disposable Bailer / Extraction Port / Other: _____

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

4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 12 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1100	72.3	6.8	977	4	cloudy, strong HC odor
1104	73.7	6.8	1011	8	" "
1108	73.8	6.8	1010	12	" "

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

Sampling Time: 1115 Sampling Date: 5-12-03

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 #: 030512-AC1	Station # BP 11117
Sampler: AC	Date: 5-12-03
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.30	Depth to Water: 15.18
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
- X Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: _____

Top of Screen: _____

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

3.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 11.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0920	66.0	7.0	806	4	cloudy, some silt
0924	66.3	7.1	799	8	cloudy
0928	66.5	7.0	786	12	clear

Did well dewater? Yes (No)		Gallons actually evacuated: 12	
Sampling Time: 0935		Sampling Date: 5-12-03	
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 #: 030512-AC1	Station # BP 11117
Sampler: AC	Date: 5-12-03
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 44.75	Depth to Water: 21.44
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
X Middleburg
Electric Submersible
Extraction Pump
Other: _____

Sampling Method:
Bailer
X Disposable Bailer
Extraction Port
Other: _____

Top of Screen: _____

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

3.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 11.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1000	70.0	7.5	398	4	Cloudy
1004	71.1	7.6	367	8	clear
1008	71.5	7.6	448	12	"

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

Sampling Time: 1015 Sampling Date: 5-12-03

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 #: 030512-AC1	Station # BP 11117
Sampler: AC	Date: 5-12-03
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 35.78	Depth to Water: 17.90
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
X Middleburg
Electric Submersible
Extraction Pump
Other: _____

Sampling Method:
Bailer
X 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.

2.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 8.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
0850	68.2	6.6	634	3	Cloudy, light brown
0853	69.2	6.8	631	6	Cloudy
0856	69.4	6.9	632	9	"

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

Sampling Time: 0900 Sampling Date: 5-12-03

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELLHEAD INSPECTION CHECKLIST

Client BP 11117 Date 5-12-03

Site Address 7210 Bancroft Ave Oakland

Job Number 030512-ACI Technician AC

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-6	X							
MW-7		X						
MW-8				X	X			
MW-9	X							
MW-10		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:

BP 11117
Station #

7210 Bancroft Oakland
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

70

added equip. rinse water 10

any other adjustments

TOTAL GALS. RECOVERED 80

loaded onto BTS vehicle # 11

BTS event # 030512-ACC

time 1200 date 5/12/03

signature

* *

REC'D AT

time

date

unloaded by signature

ATTACHMENT C

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Sequoia Analytical

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

2 June, 2003

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

RE: BP Heritage #11117,Oakland, CA
Sequoia Work Order: MME0335

Enclosed are the results of analyses for samples received by the laboratory on 05/13/03 14:40. 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

885 Jar
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(408) 776-9
FAX (408) 782-6
www.sequoialabs.co

URS Corporation [Arco]	Project: BP Heritage #11117,Oakland, CA	MME0335
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/02/03 12:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MME0335-01	Water	05/12/03 10:45	05/13/03 14:40
MW-2	MME0335-02	Water	05/12/03 11:45	05/13/03 14:40
MW-4	MME0335-03	Water	05/12/03 11:15	05/13/03 14:40
MW-6	MME0335-04	Water	05/12/03 09:35	05/13/03 14:40
MW-7	MME0335-05	Water	05/12/03 10:15	05/13/03 14:40
MW-10	MME0335-06	Water	05/12/03 09:00	05/13/03 14:40

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

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URS Corporation [Arco]	Project: BP Heritage #11117,Oakland, CA	MME0335
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/02/03 12:24

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-1 (MME0335-01) Water Sampled: 05/12/03 10:45 Received: 05/13/03 14:40									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	3E20004	05/20/03	05/20/03	8015Bm/8021B	
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		*97.8 %*	*55-142*		"	"	"	"	
MW-2 (MME0335-02) Water Sampled: 05/12/03 11:45 Received: 05/13/03 14:40									
Gasoline Range Organics (C6-C10)	**150000**	50000	ug/l	1000	3E20004	05/20/03	05/20/03	8015Bm/8021B	
Benzene	**16000**	500	"	"	"	"	"	"	
Toluene	**24000**	500	"	"	"	"	"	"	
Ethylbenzene	**3500**	500	"	"	"	"	"	"	
Xylenes (total)	**22000**	500	"	"	"	"	"	"	
Methyl tert-butyl ether	**3600**	2500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.5 %*	*55-142*		"	"	"	"	
MW-4 (MME0335-03) Water Sampled: 05/12/03 11:15 Received: 05/13/03 14:40									
Gasoline Range Organics (C6-C10)	**75000**	20000	ug/l	400	3E24002	05/24/03	05/24/03	8015Bm/8021B	
Benzene	**7600**	200	"	"	"	"	"	"	
Toluene	**3700**	200	"	"	"	"	"	"	
Ethylbenzene	**3400**	200	"	"	"	"	"	"	
Xylenes (total)	**13000**	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**26000**	1000	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.2 %*	*55-142*		"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11117,Oakland, CA	MME0335
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/02/03 12:24

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-6 (MME0335-04) Water Sampled: 05/12/03 09:35 Received: 05/13/03 14:40									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	3E24002	05/24/03	05/24/03	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**36**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.8 %*		*55-142*	"	"	"	"	
MW-7 (MME0335-05) Water Sampled: 05/12/03 10:15 Received: 05/13/03 14:40									
Gasoline Range Organics (C6-C10)	ND	100	ug/l	2	3E20004	05/20/03	05/20/03	8015Bm/8021B	
Benzene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**120**	5.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.0 %*		*55-142*	"	"	"	"	
MW-10 (MME0335-06) Water Sampled: 05/12/03 09:00 Received: 05/13/03 14:40									
Gasoline Range Organics (C6-C10)	**1500**	1200	ug/l	25	3E20004	05/20/03	05/20/03	8015Bm/8021B	
Benzene	ND	12	"	"	"	"	"	"	
Toluene	ND	12	"	"	"	"	"	"	
Ethylbenzene	ND	12	"	"	"	"	"	"	
Xylenes (total)	ND	12	"	"	"	"	"	"	
Methyl tert-butyl ether	**2200**	62	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*		*55-142*	"	"	"	"	

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URS Corporation [Arco]	Project: BP Heritage #11117,Oakland, CA	MME0335
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/02/03 12:24

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 3E20004 - EPA 5030B [P/T]										
Blank (3E20004-BLK1)				Prepared & Analyzed: 05/20/03						
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	*36.5*		"	*40.0*		*91.2*	*55-142*			
Laboratory Control Sample (3E20004-BS1)				Prepared & Analyzed: 05/20/03						
Benzene	8.52	0.50	ug/l	10.0		85.2	68-140			
Toluene	8.77	0.50	"	10.0		87.7	76-127			
Ethylbenzene	9.17	0.50	"	10.0		91.7	77-130			
Xylenes (total)	26.5	0.50	"	30.0		88.3	78-128			
Surrogate: a,a,a-Trifluorotoluene	*37.1*		"	*40.0*		*92.8*	*55-142*			
Laboratory Control Sample (3E20004-BS2)				Prepared & Analyzed: 05/20/03						
Gasoline Range Organics (C6-C10)	243	50	ug/l	250		97.2	62-134			
Surrogate: a,a,a-Trifluorotoluene	*40.6*		"	*40.0*		*102*	*55-142*			
Matrix Spike (3E20004-MS1)		**Source: MME0335-01**		Prepared & Analyzed: 05/20/03						
Gasoline Range Organics (C6-C10)	657	50	ug/l	550	36	113	62-134			
Benzene	7.30	0.50	"	6.80	0.38	102	68-140			
Toluene	36.0	0.50	"	41.0	0.27	87.1	76-127			
Ethylbenzene	9.23	0.50	"	9.80	0.24	91.7	77-130			
Xylenes (total)	42.8	0.50	"	47.9	0.44	88.4	78-128			
Surrogate: a,a,a-Trifluorotoluene	*39.5*		"	*40.0*		*98.8*	*55-142*			
Matrix Spike Dup (3E20004-MSD1)		**Source: MME0335-01**		Prepared & Analyzed: 05/20/03						
Gasoline Range Organics (C6-C10)	623	50	ug/l	550	36	107	62-134	5.31	41	
Benzene	9.33	0.50	"	6.80	0.38	132	68-140	24.4	30	

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URS Corporation [Arco]	Project: BP Heritage #11117,Oakland, CA	MME0335
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/02/03 12:24

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 3E20004 - EPA 5030B [P/T]										
Matrix Spike Dup (3E20004-MSD1)	**Source: MME0335-01**			Prepared & Analyzed: 05/20/03						
Toluene	38.8	0.50	ug/l	41.0	0.27	94.0	76-127	7.49	30	
Ethylbenzene	9.70	0.50	"	9.80	0.24	96.5	77-130	4.97	21	
Xylenes (total)	45.2	0.50	"	47.9	0.44	93.4	78-128	5.45	21	
Surrogate: a,a,a-Trifluorotoluene	*41.4*		"	*40.0*		*104*	*55-142*			
Batch 3E24002 - EPA 5030B [P/T]										
Blank (3E24002-BLK1)				Prepared & Analyzed: 05/24/03						
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	*35.5*		"	*40.0*		*88.8*	*55-142*			
Laboratory Control Sample (3E24002-BS1)				Prepared & Analyzed: 05/24/03						
Benzene	8.85	0.50	ug/l	10.0		88.5	68-140			
Toluene	8.68	0.50	"	10.0		86.8	76-127			
Ethylbenzene	9.24	0.50	"	10.0		92.4	77-130			
Xylenes (total)	27.6	0.50	"	30.0		92.0	78-128			
Surrogate: a,a,a-Trifluorotoluene	*36.1*		"	*40.0*		*90.2*	*55-142*			
Laboratory Control Sample (3E24002-BS2)				Prepared & Analyzed: 05/24/03						
Gasoline Range Organics (C6-C10)	115	50	ug/l	125		92.0	62-134			
Surrogate: a,a,a-Trifluorotoluene	*38.7*		"	*40.0*		*96.8*	*55-142*			

Sequoia Analytical

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URS Corporation [Arco]	Project: BP Heritage #11117,Oakland, CA	MME0335
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/02/03 12:24

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 3E24002 - EPA 5030B [P/T]										
Matrix Spike (3E24002-MS1)	**Source: MME0372-03**			Prepared & Analyzed: 05/24/03						
Gasoline Range Organics (C6-C10)	493	50	ug/l	550	ND	89.6	62-134			
Benzene	10.8	0.50	"	6.80	ND	159	68-140			QM-07
Toluene	36.3	0.50	"	41.0	ND	88.5	76-127			
Ethylbenzene	9.21	0.50	"	9.80	ND	94.0	77-130			
Xylenes (total)	44.8	0.50	"	47.9	ND	93.5	78-128			
Surrogate: a,a,a-Trifluorotoluene	*37.8*		"	*40.0*		*94.5*	*55-142*			
Matrix Spike Dup (3E24002-MSD1)	**Source: MME0372-03**			Prepared & Analyzed: 05/24/03						
Gasoline Range Organics (C6-C10)	485	50	ug/l	550	ND	88.2	62-134	1.64	41	
Benzene	11.2	0.50	"	6.80	ND	165	68-140	3.64	30	QM-07
Toluene	36.6	0.50	"	41.0	ND	89.3	76-127	0.823	30	
Ethylbenzene	9.06	0.50	"	9.80	ND	92.4	77-130	1.64	21	
Xylenes (total)	44.0	0.50	"	47.9	ND	91.9	78-128	1.80	21	
Surrogate: a,a,a-Trifluorotoluene	*41.5*		"	*40.0*		*104*	*55-142*			

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URS Corporation [Arco]	Project: BP Heritage #11117,Oakland, CA	MME0335
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	06/02/03 12:24

Notes and Definitions

QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

bp

Project Name 030512-AC\
BP BU/GEM CO Portfolio:\
BP Laboratory Contract Number:

Date: 5-12-03 Requested Due Date (mm/dd/yy) MME0335

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: 7210 BANCROFT, OAKLAND, CA	Address: 500 12th St., Ste. 200
Lab Address:	885 Jarvis Dr.	Site ID No. 11117	Oakland, CA 94609-4014
	Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
		California Global ID #: T0600100201	Consultant/Contractor Project No.:
Lab PM:	Latonya Pell	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1720 / 510-874-3268
Tele/Fax:	408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Leonard Niles
Report Type & QC Level:	Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	400-6-21124	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Sample Point Lat/Long and Comments
1	mw-1	1045		X			#1	3				X	X		X				
2	mw-2	1145		X			#2	3				X	X		X				
3	mw-4	1115		X			#3	3				X	X		X				
4	mw-6	0935		X			#4	3				X	X		X				
5	mw-7	1015		X			#5	3				X	X		X				
6	mw-10	0900		X			#6	3				X	X		X				
7																			
8																			
9																			
10																			

Sampler's Name:	Aaron Costa	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Blaine Tech	Aaron Costa / Blaine Tech	5/12/03	1007		5/13/03	1007
Shipment Date:			5/13/03	1440		5/13/03	14:40
Shipment Method:							
Shipment Tracking No:							

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

Custody Seals In Place Yes ___ No X Temperature Blank Yes ___ No X Cooler Temperature on Receipt 6 °F/C Trip Blank Yes ___ No X

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT):
WORKORDER: MME0325

DATE REC'D AT LAB: 5/13/03
TIME REC'D AT LAB: 1614a
DATE LOGGED IN: 5-14-03

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*	01		(MW)-1	(3) voas	HCL	L	3/12/03	
2. Chain-of-Custody (Present) / Absent*	02		2					
3. Traffic Reports or Packing List: Present / (Absent)	03		4					
4. Airbill: Airbill / Sticker Present / (Absent)	04		6					
5. Airbill #:	05		7					
6. Sample Labels: (Present) / Absent	06		10					
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: 6 °C Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): Metals / DFF (Direct From Field) or Problem COC

5/13/03

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

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

06/06/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage #11117,Oaklan
Work Order Number:	MME0335
Global ID:	T0600100201
Lab Report Number:	MME0335060220031224

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MME03350602200	MW-1	MME033501	W	CS	SW8021F	SW5030B	05/12/03	05/20/03	05/20/03	3E20004	1	
31224												
MME03350602200	MW-10	MME033506	W	CS	SW8021F	SW5030B	05/12/03	05/20/03	05/20/03	3E20004	1	
31224												
MME03350602200	MW-2	MME033502	W	CS	SW8021F	SW5030B	05/12/03	05/20/03	05/20/03	3E20004	1	
31224												
MME03350602200	MW-4	MME033503	W	CS	SW8021F	SW5030B	05/12/03	05/24/03	05/24/03	3E24002	1	
31224												
MME03350602200	MW-6	MME033504	W	CS	SW8021F	SW5030B	05/12/03	05/24/03	05/24/03	3E24002	1	
31224												
MME03350602200	MW-7	MME033505	W	CS	SW8021F	SW5030B	05/12/03	05/20/03	05/20/03	3E20004	1	
31224												
		MME037203	W	NC	SW8021F	SW5030B	/ /	05/24/03	05/24/03	3E24002	1	
		3E20004BS1	WQ	BS1	SW8021F	SW5030B	/ /	05/20/03	05/20/03	3E20004	1	
		3E20004BS2	WQ	BS2	SW8021F	SW5030B	/ /	05/20/03	05/20/03	3E20004	1	
		3E20004BLK1	WQ	LB1	SW8021F	SW5030B	/ /	05/20/03	05/20/03	3E20004	1	
		3E20004MS1	W	MS1	SW8021F	SW5030B	/ /	05/20/03	05/20/03	3E20004	1	
		3E20004MSD1	W	SD1	SW8021F	SW5030B	/ /	05/20/03	05/20/03	3E20004	1	
		3E24002BS1	WQ	BS1	SW8021F	SW5030B	/ /	05/24/03	05/24/03	3E24002	1	
		3E24002BS2	WQ	BS2	SW8021F	SW5030B	/ /	05/24/03	05/24/03	3E24002	1	
		3E24002BLK1	WQ	LB1	SW8021F	SW5030B	/ /	05/24/03	05/24/03	3E24002	1	
		3E24002MS1	W	MS1	SW8021F	SW5030B	/ /	05/24/03	05/24/03	3E24002	1	
		3E24002MSD1	W	SD1	SW8021F	SW5030B	/ /	05/24/03	05/24/03	3E24002	1	

EDFSAMP: Error Summary Log

06/06/03

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
Error: LOGCODE field is blank or invalid	URSO	BP Heritage #11117,Oaklan	MME0335	MW-1	W
Error: LOGCODE field is blank or invalid	URSO	BP Heritage #11117,Oaklan	MME0335	MW-10	W
Error: LOGCODE field is blank or invalid	URSO	BP Heritage #11117,Oaklan	MME0335	MW-2	W
Error: LOGCODE field is blank or invalid	URSO	BP Heritage #11117,Oaklan	MME0335	MW-4	W
Error: LOGCODE field is blank or invalid	URSO	BP Heritage #11117,Oaklan	MME0335	MW-6	W
Error: LOGCODE field is blank or invalid	URSO	BP Heritage #11117,Oaklan	MME0335	MW-7	W

EDFTEST: Error Summary Log

06/06/03

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

EDFRES: Error Summary Log

06/06/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3E20004MS1	MS1	W	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	3E20004MS1	MS1	W	SW8021F	PR	05/20/03	1	GROC6C10
Warning: extra parameter	3E20004MSD1	SD1	W	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	3E20004MSD1	SD1	W	SW8021F	PR	05/20/03	1	GROC6C10
Warning: extra parameter	3E24002MS1	MS1	W	SW8021F	PR	05/24/03	1	AAATFBZME
Warning: extra parameter	3E24002MS1	MS1	W	SW8021F	PR	05/24/03	1	GROC6C10
Warning: extra parameter	3E24002MSD1	SD1	W	SW8021F	PR	05/24/03	1	AAATFBZME
Warning: extra parameter	3E24002MSD1	SD1	W	SW8021F	PR	05/24/03	1	GROC6C10
Warning: extra parameter	MME033501	CS	W	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	MME033501	CS	W	SW8021F	PR	05/20/03	1	GROC6C10
Warning: extra parameter	MME033501	CS	W	SW8021F	PR	05/20/03	1	MTBE
Warning: extra parameter	MME033502	CS	W	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	MME033502	CS	W	SW8021F	PR	05/20/03	1	GROC6C10
Warning: extra parameter	MME033502	CS	W	SW8021F	PR	05/20/03	1	MTBE
Warning: extra parameter	MME033503	CS	W	SW8021F	PR	05/24/03	1	AAATFBZME
Warning: extra parameter	MME033503	CS	W	SW8021F	PR	05/24/03	1	GROC6C10
Warning: extra parameter	MME033503	CS	W	SW8021F	PR	05/24/03	1	MTBE
Warning: extra parameter	MME033504	CS	W	SW8021F	PR	05/24/03	1	AAATFBZME
Warning: extra parameter	MME033504	CS	W	SW8021F	PR	05/24/03	1	GROC6C10
Warning: extra parameter	MME033504	CS	W	SW8021F	PR	05/24/03	1	MTBE
Warning: extra parameter	MME033505	CS	W	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	MME033505	CS	W	SW8021F	PR	05/20/03	1	GROC6C10
Warning: extra parameter	MME033505	CS	W	SW8021F	PR	05/20/03	1	MTBE
Warning: extra parameter	MME033506	CS	W	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	MME033506	CS	W	SW8021F	PR	05/20/03	1	GROC6C10

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MME033506	CS	W	SW8021F	PR	05/20/03	1	MTBE
Warning: extra parameter	MME037203	NC	W	SW8021F	PR	05/24/03	1	AAATFBZME
Warning: extra parameter	MME037203	NC	W	SW8021F	PR	05/24/03	1	GROC6C10
Warning: extra parameter	3E20004BLK1	LB1	WQ	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	3E20004BLK1	LB1	WQ	SW8021F	PR	05/20/03	1	GROC6C10
Warning: extra parameter	3E20004BLK1	LB1	WQ	SW8021F	PR	05/20/03	1	MTBE
Warning: extra parameter	3E20004BS1	BS1	WQ	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	3E20004BS2	BS2	WQ	SW8021F	PR	05/20/03	1	AAATFBZME
Warning: extra parameter	3E20004BS2	BS2	WQ	SW8021F	PR	05/20/03	1	GROC6C10
Warning: extra parameter	3E24002BLK1	LB1	WQ	SW8021F	PR	05/24/03	1	AAATFBZME
Warning: extra parameter	3E24002BLK1	LB1	WQ	SW8021F	PR	05/24/03	1	GROC6C10
Warning: extra parameter	3E24002BLK1	LB1	WQ	SW8021F	PR	05/24/03	1	MTBE
Warning: extra parameter	3E24002BS1	BS1	WQ	SW8021F	PR	05/24/03	1	AAATFBZME
Warning: extra parameter	3E24002BS2	BS2	WQ	SW8021F	PR	05/24/03	1	AAATFBZME
Warning: extra parameter	3E24002BS2	BS2	WQ	SW8021F	PR	05/24/03	1	GROC6C10

EDFQC: Error Summary Log

06/06/03

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

EDFCL: Error Summary Log

06/06/03

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

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