URS

April 4, 2003

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

Re: **First 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 *First 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

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

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

Enclosure: First Quarter 2003 Groundwater Monitoring Report

cc: Mr. Scott Hooton, Group Environmental Management Company, 295 SW 41st Street, Building 13, Suite N, Renton, WA 98055-4931
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

FIRST QUARTER 2003 GROUNDWATER MONITORING

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

Prepared for
BP GEM

April 4, 2003

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

38486242

Date: April 4, 2003

Quarter: 1Q 03

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11117	Address:	7210 Bancroft Avenue, Oakland, CA
BP Environmental Engineer:			Scott Hooton
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 (First – 2003):

1. Performed first quarter groundwater monitoring event on March 10, 2003.
2. Prepared and submitted fourth quarter 2002 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Second – 2003):

1. Perform second quarter 2003 groundwater monitoring event.
2. Prepare and submit first 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:	16.22 (MW-1) to 21.25 (MW-7) feet
Groundwater Gradient (direction):	Northeast
Groundwater Gradient (magnitude):	0.03 feet per foot

DISCUSSION:

TPH-g was detected in six out of nine wells sampled at concentrations ranging from 61 µg/L (MW-7) to 100,000 µg/L (MW-2). Benzene was detected in three wells at concentrations ranging from 2,500 µg/L (MW-9) to 17,000 µg/L (MW-2). MTBE was detected in eight wells at concentrations ranging from 3.0 µg/L (MW-8) to 33,000 µg/L (MW-9).

EDCC Report and EDF/Geowell Submittal Confirmations are not included with this report because this site has not yet been listed on Geotracker. They will be included as soon as we receive confirmation of this site's Geotracker listing.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – March 10, 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

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

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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	12/30/98	49.80		19.95	---	29.85		---	---	---	---	---	---	---	---	---	---
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**

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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	89000/95000	(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

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MW-2 (k)	12/23/99	51.07		22.64	---	28.43		170000	---	25000	41000	3100	24000	40000	---	---	PACE
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**

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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		---	---	---	---	---	---	---		---	---	---

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-3	3/27/00	49.95		16.40	---	33.55		350	---	22	ND<0.5	ND<0.5	ND<0.5	580	---	---	PACE
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**

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-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

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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
QC-1 (d)	10/3/97	---		---	---	---		71000	---	8600	8700	2900	13500	84000	---	---	SPL
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**

Table 1
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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-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

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	12/11/00	50.32		21.81	---	28.51		---	---	---	---	---	---	---	---	---	---
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**

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**

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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-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**

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Former BP Service Station #11117
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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-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**

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**

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.

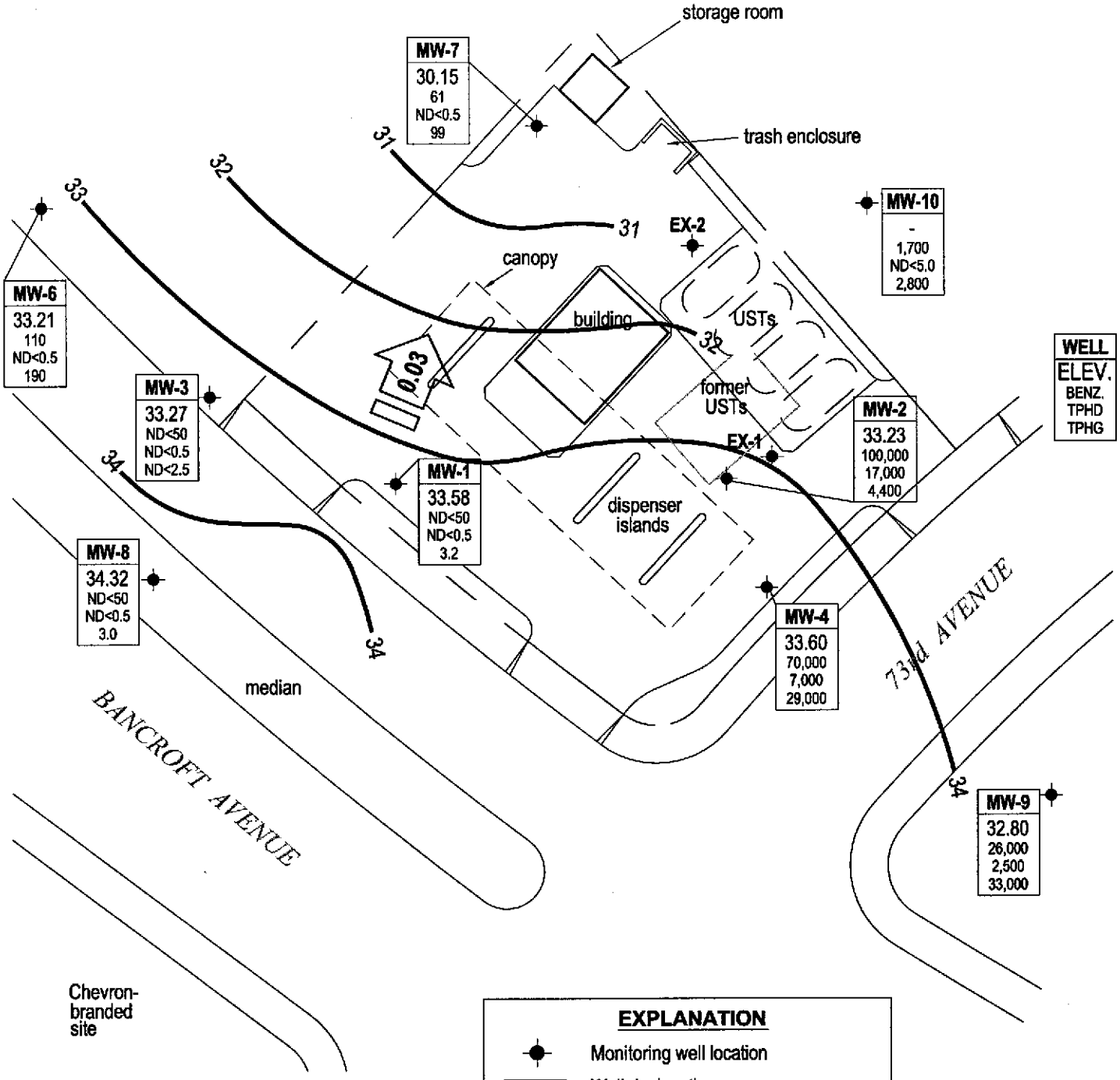
(k) Samples ran outside of EPA recommended hold time.

(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.

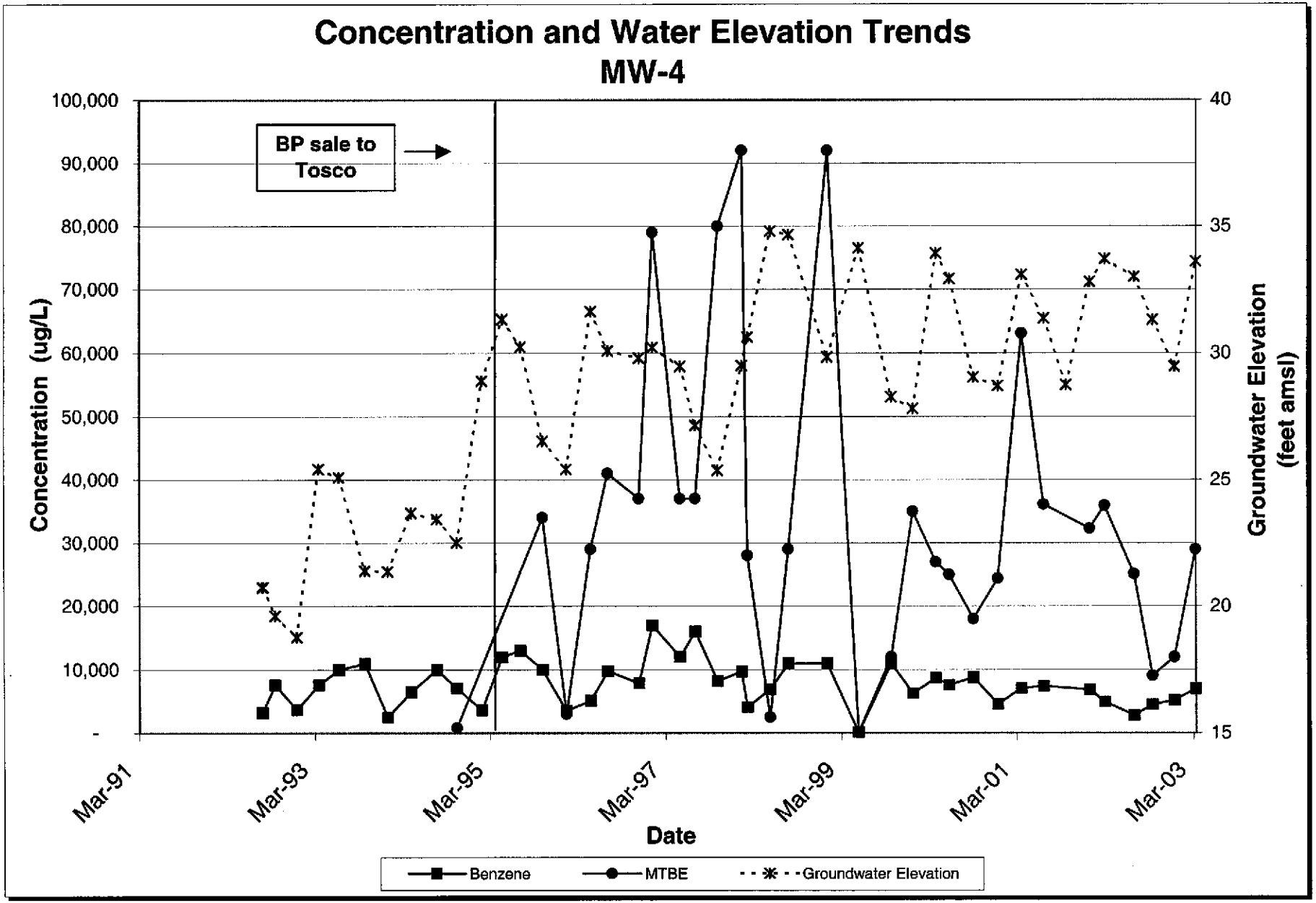


URS	Project No. 38486242 Former BP Service Station #11117 7210 Bancroft Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP First Quarter 2003 (March 10, 2003)	FIGURE 1

X:\x_env_waste\BP GEM\Sites\ILNiles Sites\11117\Reports\Monitoring\Qtr-1, 2003\GWEC-AS_3-10.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 # 030310-MC1 Date 3-10-03 Client BP Tosco 11117

Site 7210 Bancroft 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	CTD
MW-1	2					16.22	36.50	TOC	7
MW-2	2					17.84	39.41		8
MW-3	2					16.68	40.53		5
MW-4	2					17.16	39.65		9
MW-6	2					17.11	38.53		4
MW-7	2					21.25	44.77		6
MW-8	2					16.56	39.56		1
MW-9	2					18.25	38.89		2
MW-10	2					19.76	35.70		3

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030310-AC1	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 36.50	Depth to Water: 16.22
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.

3.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1202	67.3	7.1	505	3.5	murky, odor
1205	66.8	7.0	507	7	almost clear, odor
1209	66.5	6.9	512	10.5	clear, odor

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

Sampling Time: 1215 Sampling Date: 3-10-03

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 #: 030310-AC1	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-2	Well Diameter: ② 3 4 6 8
Total Well Depth: 39.41	Depth to Water: 17.84
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 / 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.

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1230	68.6	6.9	489	3.5	clear, sharp odor
1235	69.0	6.8	479	7	" " "
1239	69.4	6.8	477	10.5	" " "

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

Sampling Time: 1245 Sampling Date: 3-10-03

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 #: 030310-AC1	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 40.53	Depth to Water: 16.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- 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 (uS))	Gals. Removed	Observations
1049	67.0	7.2	888	4	clear
1054	67.4	7.0	820	8	"
1059	67.3	7.0	783	12	clear, slight odor

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

Sampling Time: 1105 Sampling Date: 3-10-03

Sample I.D.: MW-3 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 #: 030310-AC1	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-4	Well Diameter: ② 3 4 6 8 ____
Total Well Depth: 39.65	Depth to Water: 17.16
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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
1258	70.5	6.7	939	3.5	clear, sharp odor
1303	71.4	6.7	989	7	" " "
1307	71.8	6.7	991	10.5	" " "

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

Sampling Time: 1315 Sampling Date: 3-10-03

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 #: 030310-AC4	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-6	Well Diameter: ⓪ 3 4 6 8 ____
Total Well Depth: 38.53	Depth to Water: 17.11
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.

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

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1019	67.8	7.3	782	3.5	gray, odor
1023	68.3	7.1	744	7	murky, odor
1027	68.9	7.0	738	10.5	almost clear, odor

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

Sampling Time: 1035 Sampling Date: 3-10-03

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 #: 030310-AC1	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-7	Well Diameter: ⓪ 3 4 6 8 ____
Total Well Depth: 44.77	Depth to Water: 21.25
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.

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
1122	71.1	7.7	458	4	clear
1127	71.2	7.6	416	8	"
1131	71.2	7.6	455	12	"

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

Sampling Time: 1140 Sampling Date: 3-10-03

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 #: 030310-AC1	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-8	Well Diameter: Ø 3 4 6 8 ___
Total Well Depth: 39.56	Depth to Water: 16.56
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.

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0834	57.9	6.7	449	4	brown, cloudy
0839	56.8	7.1	429	8	light brown, more clear
0844	56.2	7.1	429	12	almost clear

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

Sampling Time: 0850 Sampling Date: 3-10-03

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 #: 030310-AC1	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-9	Well Diameter: ② 3 4 6 8
Total Well Depth: 38.89	Depth to Water: 18.25
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.

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

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0913	64.9	6.7	816	3.5	murky, strong odor
0917	65.4	6.8	787	7	clear, strong odor
0921	65.2	6.9	776	10.5	" " "

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

Sampling Time: 0930 Sampling Date: 3-10-03

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030310-AC1	Station # BP 11117
Sampler: AC	Date: 3-10-03
Well I.D.: MW-10	Well Diameter: Ø 3 4 6 8 ____
Total Well Depth: 35.70	Depth to Water: 19.26
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.

2.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 7.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (uS))	Gals. Removed	Observations
0950	68.3	7.0	851	3	murky, odor
0953	70.5	6.9	890	6	" "
0957	70.4	6.9	872	9	" "

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

Sampling Time: 1005 Sampling Date: 3-10-03

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

Chain of Custody Record

Project Name 030310-ACI

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Requested Due Date (mm/dd/yy)

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

	BP/GEM Facility No.:
	BP/GEM Facility Address: 7210 BANCROFT, OAKLAND, CA
	Site ID No. 11117
95037	Site Lat/Long:
	California Global ID #: T0600100201
	BP/GEM PM Contact: Scott Hooton
08-782-6308	Address: 295 SW 41st St., Bldg. 13 Ste N
DF Reports	Renton, WA 98055
1124	Tele/Fax: 425-251-0689/425-251-0736

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

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
1315		X				3				X	X		X				
1245		X				3				X	X		X				
1105		X				3				X	X		X				
1315		X				3				X	X		X				
1035		X				3				X	X		X				
1140		X				3				X	X		X				
0850		X				3				X	X		X				
0930		X				3				X	X		X				
1005		X				3				X	X		X				

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Costa					
e Tech	Ceaman Costa/ Blaine Tech	3/11/03	1410	3/11/03	2:00

Invoice to BP/GEM but send to URS for approval

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

WELLHEAD INSPECTION CHECKLIST

Client Arco 11117 Date 5-10-03

Site Address 7210 Bancroft Oakland

Job Number 030310-AC1 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						
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:

Arco 11117

Station #

7210 Bancroft Oakland

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

100

added equip. rinse water 20

any other adjustments

TOTAL GALS. RECOVERED 120

loaded onto BTS vehicle # 11

BTS event # 030310-Ac1

time 1330

date 3/10/03

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
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27 March, 2003

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

RE: BP Heritage Site #11117, Oakland, CA
Sequoia Work Order: MMC0448

Enclosed are the results of analyses for samples received by the laboratory on 03/11/03 14:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	MMC0448
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MMC0448-01	Water	03/10/03 12:15	03/11/03 14:55
MW-2	MMC0448-02	Water	03/10/03 12:45	03/11/03 14:55
MW-3	MMC0448-03	Water	03/10/03 11:05	03/11/03 14:55
MW-4	MMC0448-04	Water	03/10/03 13:15	03/11/03 14:55
MW-6	MMC0448-05	Water	03/10/03 10:35	03/11/03 14:55
MW-7	MMC0448-06	Water	03/10/03 11:40	03/11/03 14:55
MW-8	MMC0448-07	Water	03/10/03 08:50	03/11/03 14:55
MW-9	MMC0448-08	Water	03/10/03 09:30	03/11/03 14:55
MW-10	MMC0448-09	Water	03/10/03 10:05	03/11/03 14:55

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

Sequoia Analytical

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	MMC0448
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:29

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-8 (MMC0448-07) Water Sampled: 03/10/03 08:50 Received: 03/11/03 14:55									
Gasoline Range Organics	ND	50	ug/l	1	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.0**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	
MW-9 (MMC0448-08) Water Sampled: 03/10/03 09:30 Received: 03/11/03 14:55									
Gasoline Range Organics	**26000**	10000	ug/l	200	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	**2500**	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
Xylenes (total)	ND	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**33000**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
MW-10 (MMC0448-09) Water Sampled: 03/10/03 10:05 Received: 03/11/03 14:55									
Gasoline Range Organics	**1700**	500	ug/l	10	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**5.3**	5.0	"	"	"	"	"	"	
Xylenes (total)	**15**	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**2800**	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	MMC0448
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:29

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 (MMC0448-01) Water Sampled: 03/10/03 12:15 Received: 03/11/03 14:55									
Gasoline Range Organics	ND	50	ug/l	1	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**3.2**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*65-135*		"	"	"	"	
MW-2 (MMC0448-02) Water Sampled: 03/10/03 12:45 Received: 03/11/03 14:55									
Gasoline Range Organics	**100000**	10000	ug/l	200	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	**17000**	100	"	"	"	"	"	"	
Toluene	**21000**	100	"	"	"	"	"	"	
Ethylbenzene	**3400**	100	"	"	"	"	"	"	
Xylenes (total)	**20000**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**4400**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*65-135*		"	"	"	"	
MW-3 (MMC0448-03) Water Sampled: 03/10/03 11:05 Received: 03/11/03 14:55									
Gasoline Range Organics	ND	50	ug/l	1	3030381	03/19/03	03/19/03	EPA 8015B/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		*105 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	

Sequoia Analytical

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	MMC0448
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:29

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 (MMC0448-04) Water Sampled: 03/10/03 13:15 Received: 03/11/03 14:55									
Gasoline Range Organics	**70000**	10000	ug/l	200	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	**7000**	100	"	"	"	"	"	"	
Toluene	**4800**	100	"	"	"	"	"	"	
Ethylbenzene	**3300**	100	"	"	"	"	"	"	
Xylenes (total)	**13000**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**29000**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87 %*	*65-135*		"	"	"	"	
MW-6 (MMC0448-05) Water Sampled: 03/10/03 10:35 Received: 03/11/03 14:55									
Gasoline Range Organics	**110**	50	ug/l	1	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**190**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*65-135*		"	"	"	"	
MW-7 (MMC0448-06) Water Sampled: 03/10/03 11:40 Received: 03/11/03 14:55									
Gasoline Range Organics	**61**	50	ug/l	1	3030381	03/19/03	03/19/03	EPA 8015B/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**99**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*65-135*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	MMC0448
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:29

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 3030381 - EPA 5030, waters										
Blank (3030381-BLK1)				Prepared & Analyzed: 03/19/03						
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	*323*		"	*300*		*108*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*267*		"	*300*		*89*	*65-135*			
Laboratory Control Sample (3030381-BS1)				Prepared & Analyzed: 03/19/03						
Gasoline Range Organics	2160	50	ug/l	2750		79	65-135			
Benzene	37.7	0.50	"	36.5		103	65-135			
Toluene	192	0.50	"	203		95	65-135			
Ethylbenzene	45.4	0.50	"	47.0		97	65-135			
Xylenes (total)	216	0.50	"	236		92	65-135			
Methyl tert-butyl ether	62.3	2.5	"	56.0		111	65-135			
Surrogate: a,a,a-Trifluorotoluene	*341*		"	*300*		*114*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*276*		"	*300*		*92*	*65-135*			
Matrix Spike (3030381-MS1)	**Source: P303267-01**			Prepared & Analyzed: 03/19/03						
Gasoline Range Organics	2180	50	ug/l	2750	44	78	65-135			
Benzene	36.7	0.50	"	36.5	ND	101	65-135			
Toluene	187	0.50	"	203	ND	92	65-135			
Ethylbenzene	44.6	0.50	"	47.0	ND	95	65-135			
Xylenes (total)	210	0.50	"	236	ND	89	65-135			
Methyl tert-butyl ether	113	2.5	"	56.0	62	91	65-135			
Surrogate: a,a,a-Trifluorotoluene	*323*		"	*300*		*108*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*278*		"	*300*		*93*	*65-135*			

Sequoia Analytical

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	MMC0448
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:29

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 3030381 - EPA 5030, waters										
Matrix Spike Dup (3030381-MSD1)	**Source: P303267-01**			Prepared & Analyzed: 03/19/03						
Gasoline Range Organics	2130	50	ug/l	2750	44	76	65-135	2	20	
Benzene	36.6	0.50	"	36.5	ND	100	65-135	0.3	20	
Toluene	189	0.50	"	203	ND	93	65-135	1	20	
Ethylbenzene	44.8	0.50	"	47.0	ND	95	65-135	0.4	20	
Xylenes (total)	212	0.50	"	236	ND	90	65-135	0.9	20	
Methyl tert-butyl ether	120	2.5	"	56.0	62	104	65-135	6	20	
Surrogate: a,a,a-Trifluorotoluene	*330*		"	*300*		*110*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*275*		"	*300*		*92*	*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 #11117, Oakland, CA	MMC0448
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	03/27/03 13:29

Notes and Definitions

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

bp

Chain of Custody Record

Project Name 030310-ACI

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

Date: 3-10-03

Requested Due Date (mm/dd/yy)

MMC0498

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

Send To:		BP/GEM Facility No.:	
Lab Name:	SEQUOIA	BP/GEM Facility Address:	7210 BANCROFT, OAKLAND, CA
Lab Address:	885 Jarvis Dr.	Site ID No.	11117
	Morgan Hill, CA 95037	Site Lat/Long:	
		California Global ID #:	T0600100201
Lab PM:	Latonya Pelt	BP/GEM PM Contact:	Scott Hooton
Tele/Fax:	408-776-9600 / 408-782-6308	Address:	295 SW 41st St., Bldg. 13 Ste N
Report Type & QC Level:	Send EDF Reports		Renton, WA 98055
BP/GEM Account No.:	400-6-21124	Tele/Fax:	425-251-0689/425-251-0736

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

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Sample Point Lat/Long and Comments
1	MW-1	1215		X			01	3				X	X		X				
2	MW-2	1245		X			02	3				X	X		X				
3	MW-3	1105		X			03	3				X	X		X				
4	MW-4	1315		X			04	3				X	X		X				
5	MW-6	1035		X			05	3				X	X		X				
6	MW-7	1140		X			06	3				X	X		X				
7	MW-8	0850		X			07	3				X	X		X				
8	MW-9	0930		X			08	3				X	X		X				
9	MW-10	1005		X			09	3				X	X		X				
10																			

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Aaron Costa						
Sampler's Company: Blaine Tech	Aaron Costa/ Blaine Tech	3/11/03	1410		3/11/03	2:00
Shipment Date:		3/11/03	1455		3/11/03	14.55
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 3 °F(C) Trip Blank Yes ___ No ✓

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT):
WORKORDER: MHC6948

DATE Received at Lab: 3/11/03
TIME Received at Lab: 14:55
LOG IN DATE: 3-14-03

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)	1		MW - 1	(3) Voas HCl	L	3/10/03	2297030
	Intact / Broken*	2		MW - 2				
2. Chain-of-Custody	(Present) / Absent*	3		MW - 3				
3. Traffic Reports or Packing List:	Present / (Absent)	4		MW - 4				
4. Airbill:	Airbill / Sticker	5		MW - 6				
	Present / (Absent)	6		MW - 7				
5. Airbill #:	—	7		MW - 8				
6. Sample Labels:	(Present) / Absent	8		MW - 9				
7. Sample IDs:	(Listed) / Not Listed on Chain-of-Custody	9		MW - 10				
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*				3/11/03			
11. Proper Preservatives used:	(Yes) / No*							
12. Temp Rec. at Lab: 3°C								
Is temp 4 +/-2°C?	(Yes) / No**							

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): Metals / DRF on ice? / DFP no ice? or Problem COC

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