URS

November 12, 2002

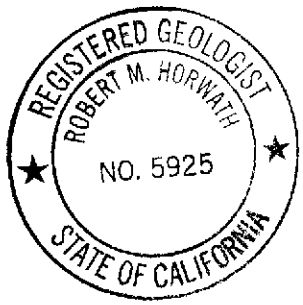
Mr. Don Hwang
Alameda County Health Care Service Agency
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Re: Third Quarter 2002 Monitoring Report
BP Service Station #11117
7210 Bancroft Avenue
Oakland, California
URS Project #38486030

Dear Mr. Hwang:

On behalf of BP (an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the attached report, which presents the results of the third quarter 2002 groundwater monitoring program at the BP Service Station #11117, located at 7210 Bancroft Avenue, Oakland, California.

Please call if you have any questions.



Sincerely,
URS CORPORATION

Robert M. Horwath, R.G.
Senior Geologist

Attachment: Quarterly Groundwater Monitoring Report, Third Quarter 2002

cc: Scott Hooton, BP, Environmental Resources management, 295 SW 41st Street, Building 13, Suite N, Renton, Washington 98055-4931
Ms. Liz Sewell, ConocoPhilips, 3525 Hyland Avenue, Costa Mesa, California 92626

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

Quarterly Groundwater Monitoring Report
Third Quarter 2002

BP Service Station #11117
7210 Bancroft Avenue
Oakland, California

Prepared for

BP

November 12, 2002

Prepared by

URS Corporation

500 12th Street, Suite 200
Oakland, California 94607

Project 38486030

URS

Date: November 12, 2002
Quarter: 3Q 02

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11117	Address:	7210 Bancroft Avenue, Oakland, CA
BP Oil Company Environmental Engineer:			Scott Hooton
Consulting Co./Contact Person:			URS Corporation/Robert M. Horwath
Consultant Project No.:			38486030
Primary Agency/Regulatory ID No.:			Alameda County Health Care Service Agency

WORK PERFORMED THIS QUARTER (Third – 2002):

1. Performed third quarter 2002 groundwater monitoring event.
2. Prepared and submitted second quarter 2002 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2002):

1. Perform fourth quarter 2002 groundwater monitoring event.
2. Prepare and submit third quarter 2002 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 biannual; Well MW-8 annual
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None currently
Approximate Depth to Groundwater:	18.41 (MW-1) to 23.51 (MW-7) feet
Groundwater Gradient (direction):	Northeast
Groundwater Gradient (magnitude):	0.03 feet per foot

DISCUSSION:

TPH-g was detected in seven out of eight wells sampled, at concentrations ranging from 52 µg/L (MW-3) to 100,000 µg/L (MW-2). Benzene was detected in six wells at concentrations ranging from 1.9 µg/L (MW-6) to 13,000 µg/L (MW-2). MTBE was detected in all eight wells sampled, at concentrations ranging from 11 µg/L (MW-3) to 18,000 µg/L (MW-2). Groundwater elevations across the site decreased by an average of approximately 1.8 feet this quarter, and the groundwater flow direction was to the northeast at a calculated hydraulic gradient of 0.03 feet per foot.

URS

ATTACHMENTS:

- QMR Disclaimer
- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 12, 2002
- Chart 1 – Concentration and Water Level Trends, Well MW-4
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C - EDCC Report and EDF/Geowell Submittal Confirmation

URS QUARTERLY MONITORING REPORT
DISCLAIMER
GROUP ENVIRONMENTAL MANAGEMENT COMPANY SITES

This report is based on data, site conditions, and other information that are generally applicable as of the date of the report, and the conclusions and recommendations herein are therefore applicable only to that time frame.

Background information, including but not limited to previous field measurements, analytical results, site plans, and other data has been furnished to URS by Group Environmental Management Company, its previous consultants, and/or third parties that URS has used in preparing this report. URS has relied on this information as furnished. URS is not responsible for nor has it confirmed the accuracy of this information.

The analytical data provided by the laboratory approved by Group Environmental Management Company have been reviewed and verified by that laboratory. URS has not performed an independent review of the data.

Table 1
Groundwater Elevation and Analytical Data
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	01/05/1992	49.80		33.16	---	16.64		57000	50000		2400	1000	1100	3100	---		ND	---	---
MW-1	01/10/1992	49.80		33.16	---	16.64		---	---		---	---	---	---	---		---	---	---
MW-1	06/05/1992	49.80		29.01	---	20.79		31000	---		2800	2100	800	2300	---		---	---	---
MW-1	07/24/1992	49.80		29.45	---	20.35		---	---		---	---	---	---	---		---	---	---
MW-1	07/27/1992	49.80		29.45	---	20.35		---	---		---	---	---	---	---		---	---	---
MW-1	09/15/1992	49.80		30.53	---	19.27		40000	1200	(c)	3400	3000	1300	3400	---		---	---	ANA
QC-1	(d) 09/15/1992	---		---	---	---		36000	---		3800	3400	1400	3800	---		---	---	ANA
MW-1	12/15/1992	49.80		31.26	---	18.54		27000	1100	(c)	1700	580	700	1900	---		---	---	ANA
QC-1	(d) 12/15/1992	---		---	---	---		22000	---		1500	440	510	1300	---		---	---	ANA
MW-1	03/15/1993	49.80		24.80	---	25.00		17000	580		1700	1200	590	1800	---	(l)	---	---	PACE
QC-1	(d) 03/15/1993	---		---	---	---		15000	---		1100	860	440	1400	---	(l)	---	---	PACE
MW-1	06/07/1993	49.80		25.01	---	24.79		750	100		0.8	0.8	ND<0.5	ND<0.5	---	(l)	---	---	PACE
QC-1	(d) 06/07/1993	---		---	---	---		720	---		0.7	0.7	ND<0.5	ND<0.5	---	(l)	---	---	PACE
MW-1	09/23/1993	49.80		28.70	---	21.10		40000	770		4000	500	920	3000	6619	(e)(l)	---	---	PACE
MW-1	12/27/1993	49.80		28.66	---	21.14		27000	---		2000	400	940	2600	13558	(e)(l)	---	---	PACE
QC-1	(d) 12/27/1993	---		---	---	---		21000	---		1700	380	830	2400	9219	(e)(l)	---	---	PACE
MW-1	04/05/1994	49.80		26.37	---	23.43		27000	---		3400	930	950	2900	8595	(e)(l)	---	---	PACE
QC-1	(d) 04/05/1994	---		---	---	---		29000	---		3700	1000	1000	3100	9672	(e)(l)	---	1.3	PACE
MW-1	07/22/1994	49.80		26.54	---	23.26		1700	---		220	2.3	2.0	3.4	262	(e)(l)	---	2.0	PACE
MW-1	10/13/1994	49.80		27.46	---	22.34		1200	---		250	21	ND<0.5	3.2	321	(e)(l)	---	2.6	PACE
MW-1	01/25/1995	49.80		20.96	---	28.84		1000	---		420	8	13	4	---		---	---	ATI
MW-1	04/19/1995	49.80		19.59	---	30.21		5200	---		420	51	230	340	---		---	6.0	ATI
MW-1	07/05/1995	49.80		19.61	---	30.19		320	---		4.2	ND<0.50	ND<0.50	ND<1.0	---		---	4.6	ATI
MW-1	10/05/1995	49.80		24.40	---	25.40		5800	---		1000	40	31	180	7800		---	2.3	ATI
MW-1	01/12/1996	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	04/22/1996	49.80		18.02	---	31.78		ND<50	---		ND<0.5	ND<1	ND<1	ND<1	ND<10		---	3.9	SPL
MW-1	07/02/1996	49.80		19.72	---	30.08		---	---		---	---	---	---	---		---	---	---
MW-1	07/03/1996	49.80		---	---	---		ND<250	---		ND<2.5	ND<5	ND<5	ND<5	ND<50		---	3.6	SPL
MW-1	11/08/1996	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	01/03/1997	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	04/28/1997	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	07/01/1997	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	10/02/1997	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	01/09/1998	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

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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	05/06/1998	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	07/21/1998	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	12/30/1998	49.80	19.95	---	29.85	---	---	---	---	---	---	---	---	---	---
MW-1	02/02/1999	49.80	19.12	---	30.68	420	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	390	---	---	SPL
MW-1	05/10/1999	49.80	15.51	---	34.29	---	---	---	---	---	---	---	---	---	---
MW-1	09/23/1999	49.80	21.65	---	28.15	440	---	49	ND<1.0	ND<1.0	ND<1.0	910	---	---	SPL
MW-1	12/23/1999	49.80	22.32	---	27.48	---	---	---	---	---	---	---	---	---	---
MW-1	03/27/2000	49.80	15.72	---	34.08	2500	---	230	3.0	83	36	4400	---	---	PACE
MW-1	05/22/2000	49.80	16.92	---	32.88	---	---	---	---	---	---	---	---	---	---
MW-1	08/31/2000	49.80	20.12	---	29.68	1700	---	18	5.5	7.9	5.0	510	---	---	PACE
MW-1	12/11/2000	49.80	20.72	---	29.08	---	---	---	---	---	---	---	---	---	---
MW-1	03/20/2001	49.80	15.91	---	33.89	880	---	38.2	ND<0.5	24.1	ND<1.5	391	---	---	PACE
MW-1	06/19/2001	49.80	18.38	---	31.42	---	---	---	---	---	---	---	---	---	---
MW-1	09/20/2001	49.80	21.23	---	28.57	3200	---	400	19.8	42	32.5	2510	---	---	PACE
MW-1	12/27/2001	49.80	16.72	---	33.08	750	---	70.1	0.536	4.74	3.76	649	---	---	PACE
MW-1	02/28/2002	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	06/28/2002	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**

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MW-2	01/05/1992	51.07		DRY	---	DRY		---	---		---	---	---	---	---		---	---	---
MW-2	01/10/1992	51.07		DRY	---	DRY		---	---		---	---	---	---	---		---	---	---
MW-2	06/05/1992	51.07		30.05	---	21.02		11000	---		2000	180	490	1900	---		---	---	---
MW-2	07/24/1992	51.07		30.72	---	20.35		---	---		---	---	---	---	---		---	---	---
MW-2	07/27/1992	51.07		30.52	---	20.55		---	---		---	---	---	---	---		---	---	---
MW-2	09/15/1992	51.07		31.56	---	19.51		75000	3200	(c)	2000	6500	2300	13000	---		---	---	ANA
MW-2	12/15/1992	51.07		32.40	---	18.67		34000	1600	(c)	6200	8900	2000	7900	---		---	---	ANA
MW-2	03/15/1993	51.07		26.14	---	24.93		150000	8400		12000	18000	3200	22000	82000	(e)	---	---	PACE
MW-2 (f)	06/07/1993	51.07		26.38	SHEEN	24.69		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	09/23/1993	51.07		31.43	1.92	21.08		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	12/27/1993	51.07		34.07	1.07	17.80		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	04/05/1994	51.07		30.44	3.30	23.11		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	07/22/1994	51.07		28.51	0.80	23.16		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	10/13/1994	51.07		29.33	0.70	22.27		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	01/25/1995	51.07		25.55	4.25	28.71		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	04/19/1995	51.07		19.78	0.12	31.38		---	---		---	---	---	---	---		---	---	---
MW-2	07/05/1995	51.07		20.88	0.09	30.26		140000	---		14000	30000	3500	26000	---		---	---	ATI
MW-2 (f)	10/05/1995	51.07		24.68	0.10	26.47		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	01/12/1996	51.07		25.72	0.06	25.40		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	04/22/1996	51.07		19.33	0.08	31.80		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	07/02/1996	51.07		20.01	0.04	31.09		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	11/08/1996	51.07		20.28	0.01	30.80		---	---		---	---	---	---	---		---	---	---
MW-2 (f)	01/03/1997	51.07		19.87	0.02	31.22		---	---		---	---	---	---	---		---	---	---
MW-2	04/28/1997	51.07		20.59	0.01	30.49		560000	---		1200	1300	290	2310	6100		---	3.9	SPL
MW-2	07/01/1997	51.07		22.90	0.01	28.18		24000	---		15000	16000	4900	24400	63000		---	3.7	SPL
QC-1 (d)	07/01/1997	---		---	---	---		150000	---		14000	13000	1800	14200	57000		---	---	SPL
MW-2	10/02/1997	51.07		24.65	0.02	26.44		---	---		---	---	---	---	---		---	---	---
MW-2	10/03/1997	51.07		---	---	---		250000	---		32000	39000	6000	42000	160000		---	4.5	SPL
MW-2	01/09/1998	51.07		21.22	0.01	29.86		420000	---		23000	29000	5800	43000	75000		---	4.0	SPL
QC-1 (d)	01/09/1998	---		---	---	---		300000	---		20000	25000	5200	37000	84000		---	---	SPL
MW-2	05/06/1998	51.07		15.10	0.01	35.98		180000	---		25000	26000	3400	22900	35000		---	3.7	SPL
MW-2	07/21/1998	51.07		15.31	0.01	35.77		270000	---		21000	20000	2700	18800	34000		---	3.8	SPL
MW-2	12/30/1998	51.07		21.10	0.10	30.05		300000	---		22000	24000	4200	26000	89000/9500	(j)	---	---	SPL

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MW-2	02/02/1998	51.07		20.11	---	30.96		410000	---	27000	43000	6700	50000	20000	---	---	SPL
MW-2	05/10/1999	51.07		16.68	---	34.39		220000	---	20000	20000	2800	20000	100000	---	---	SPL
MW-2	09/23/1999	51.07		22.50	---	28.57		160000	---	21000	24000	2900	20000	44000	---	---	SPL
MW-2	(k) 12/23/1999	51.07		22.64	---	28.43		170000	---	25000	41000	3100	24000	40000	---	---	PACE
MW-2	03/27/2000	51.07		16.88	---	34.19		140000	---	15000	25000	3400	21000	19000	---	---	PACE
MW-2	05/22/2000	51.07		17.75	---	33.32		150000	---	18000	31000	3500	22000	26000	---	---	PACE
MW-2	08/31/2000	51.07		21.97	---	29.10		200000	---	16000	26000	2500	16000	38000	---	---	PACE
MW-2	12/11/2000	51.07		22.05	---	29.02		130000	---	18600	30000	3250	20600	21700	---	---	PACE
MW-2	03/20/2001	51.07		17.75	---	33.32		140000	---	15900	24800	3700	22100	12900	---	---	PACE
MW-2	06/19/2001	51.07		20.15	---	30.92		130000	---	15100	19500	3300	21400	20300	---	---	PACE
MW-2	09/20/2001	51.07		22.14	---	28.93		110000	---	12400	12600	2230	13000	39500	---	---	PACE
MW-2	12/27/2001	51.07		18.17	---	32.90		150000	---	17500	26000	3050	19500	27500	---	---	PACE
MW-2	02/28/2002	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**

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BP Service Station #11117
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MW-3	01/05/1992	49.95		33.69	---	16.26		7400	4000	790	23	210	40	---		ND	---	---
MW-3	01/10/1992	49.95		33.74	---	16.21		---	---	---	---	---	---	---		---	---	---
MW-3	06/05/1992	49.95		29.65	---	20.30		2000	---	130	5.3	93	20	---		---	---	---
MW-3	07/24/1992	49.95		30.14	---	19.81		---	---	---	---	---	---	---		---	---	---
MW-3	07/27/1992	49.95		30.14	---	19.81		---	---	---	---	---	---	---		---	---	---
MW-3	09/15/1992	49.95		31.07	---	18.88		450	ND<50	55	3.1	34	7.1	---		---	---	ANA
MW-3	12/15/1992	49.95		31.93	---	18.02		12000	710	(c) 940	ND<50	310	120	---		---	---	ANA
MW-3	03/15/1993	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	06/07/1993	49.95		25.80	---	24.15		150	ND<50	3.6	ND<0.5	0.9	1.3	---	(l)	---	---	PACE
MW-3	09/23/1993	49.95		29.18	---	20.77		---	---	---	---	---	---	---		---	---	---
MW-3	09/24/1993	49.95		---	---	---		160	ND<50	8.4	ND<0.5	3.7	1.3	15.3	(l)	---	---	PACE
MW-3	12/27/1993	49.95		29.25	---	20.70		9400	---	1100	48	530	120	2871	(e)(l)	---	---	PACE
MW-3	04/05/1994	49.95		26.84	---	23.11		7000	---	860	19	330	52	10414	(l)	---	2.0	PACE
MW-3	07/22/1994	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	10/13/1994	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	01/25/1995	49.95		21.65	---	28.30		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---		---	---	ATI
MW-3	04/19/1995	49.95		19.33	---	30.62		2400	---	170	8.0	130	27	---		---	5.0	ATI
MW-3	07/05/1995	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	10/05/1995	49.95		23.73	---	26.22		2300	---	210	3.1	10	5.1	2400		---	4.2	ATI
MW-3	01/12/1996	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	04/22/1996	49.95		18.60	---	31.35		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	4.4	SPL
MW-3	07/02/1996	49.95		18.88	---	31.07		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	4.2	SPL
MW-3	11/08/1996	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	01/03/1997	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	04/28/1997	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	07/01/1997	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	10/02/1997	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	01/09/1998	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	05/06/1998	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	07/21/1998	49.95		15.88	---	34.07		51	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	3.8	SPL

Table 1
Groundwater Elevation and Analytical Data
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-1 (d)	07/21/1998	---	---	---	---	60	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	---	SPL
MW-3	12/30/1998	49.95	20.30	---	29.65	---	---	---	---	---	---	---	---	---	SPL
MW-3	02/02/1999	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	05/10/1999	49.95	16.17	---	33.78	---	---	---	---	---	---	---	---	---	---
MW-3	09/23/1999	49.95	22.05	---	27.90	---	---	---	---	---	---	---	---	---	---
MW-3	12/23/1999	49.95	22.55	---	27.40	---	---	---	---	---	---	---	---	---	---
MW-3	03/27/2000	49.95	16.40	---	33.55	350	---	22	ND<0.5	ND<0.5	ND<0.5	580	---	---	PACE
MW-3	05/22/2000	49.95	9.49**	---	40.46	---	---	---	---	---	---	---	---	---	---
MW-3	08/31/2000	49.95	13.02**	---	36.93	---	---	---	---	---	---	---	---	---	---
MW-3	12/11/2000	49.95	13.30**	---	36.65	---	---	---	---	---	---	---	---	---	---
MW-3	03/20/2001	49.95	16.49	---	33.46	1000	---	66.4	0.597	6.96	ND<1.5	398	---	---	PACE
MW-3	06/19/2001	49.95	18.82	---	31.13	---	---	---	---	---	---	---	---	---	---
MW-3	09/20/2001	49.95	21.59	---	28.36	230	---	ND<0.5	0.593	ND<0.5	ND<1.5	289	---	---	PACE
MW-3	12/27/2001	49.95	17.37	---	32.58	---	---	---	---	---	---	---	---	---	---
MW-3	02/28/2002	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	06/28/2002	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**

Table 1
Groundwater Elevation and Analytical Data
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	07/24/1992	50.76		30.02	---	20.74		42000	---		3200	3600	1400	4100	---		---	---	---
MW-4	07/27/1992	50.76		30.02	---	20.74		---	---		---	---	---	---	---		---	---	---
MW-4	09/15/1992	50.76		31.14	---	19.62		55000	1700	(c)	7600	13000	2800	9500	---		---	---	ANA
MW-4	12/15/1992	50.76		31.98	---	18.78		36000	2200	(c)	3700	4700	1200	4000	---		---	---	ANA
MW-4	03/15/1993	50.76		25.34	---	25.42		69000	1200		7600	15000	2500	11000	---	(l)	---	---	PACE
MW-4	06/07/1993	50.76		25.67	---	25.09		73000	2500		10000	19000	3400	14000	---	(l)	---	---	PACE
MW-4	09/23/1993	50.76		29.37	---	21.39		---	---		---	---	---	---	---		---	---	---
MW-4	09/24/1993	50.76		---	---	---		68000	5700		11000	2100	8600	990	390	(l)	---	---	PACE
QC-1	(d) 09/24/1993	---		---	---	---		59000	---		5300	10000	2200	8400	309	(l)	---	---	PACE
MW-4	12/27/1993	50.76		29.40	---	21.36		32000	---		2500	4400	1300	4400	387	(l)	---	---	PACE
MW-4	04/05/1994	50.76		27.09	---	23.67		64000	---		6500	14000	1900	9600	413	(l)	---	1.4	PACE
MW-4	07/22/1994	50.76		27.33	---	23.43		85000	---		10000	20000	3200	13000	796	(l)	---	0.8	PACE
QC-1	(d) 07/22/1994	---		---	---	---		85000	---		11000	21000	3300	14000	435	(l)	---	---	PACE
MW-4	10/13/1994	50.76		28.25	---	22.51		51000	---		7100	13000	2100	8900	506	(e)(l)	---	2.9	PACE
QC-1	(d) 10/13/1994	---		---	---	---		51000	---		7400	13000	2100	9100	773	(l)	---	---	PACE
MW-4	01/25/1995	50.76		21.85	---	28.91		26000	---		3600	9600	1200	6400	---		---	---	ATI
QC-1	(d) 01/25/1995	---		---	---	---		28000	---		4200	12000	1500	7800	---		---	---	ATI
MW-4	04/19/1995	50.76		19.44	---	31.32		89000	---		12000	24000	3500	18000	---		---	5.1	ATI
QC-1	(d) 04/19/1995	---		---	---	---		100000	---		12000	26000	3800	21000	---		---	---	ATI
MW-4	07/05/1995	50.76		20.52	---	30.24		130000	---		13000	29000	3300	25000	---		---	4.3	ATI
MW-4	10/05/1995	50.76		24.23	---	26.53		110000	---		10000	23000	3600	17000	34000		---	2.1	ATI
MW-4	01/12/1996	50.76		25.34	---	25.42		46000	---		3500	8300	1100	8000	3000		---	3.3	ATI
QC-1	(d) 01/12/1996	---		---	---	---		40000	---		3500	9000	1200	8700	4300		---	---	ATI
MW-4	04/22/1996	50.76		19.13	---	31.63		40000	---		5100	9600	980	11800	29000		---	3.2	SPL
QC-1	(d) 04/22/1996	---		---	---	---		61000	---		8300	16000	1600	15200	36000		---	---	SPL
MW-4	07/02/1996	50.76		20.67	---	30.09		74000	---		9800	21000	2100	16600	41000		---	3.4	SPL
QC-1	(d) 07/02/1996	---		---	---	---		78000	---		9800	21000	1900	15300	42000		---	---	SPL
MW-4	11/08/1996	50.76		20.95	---	29.81		100000	---		7900	16000	2500	13700	37000		---	3.7	SPL
QC-1	(d) 11/08/1996	---		---	---	---		110000	---		9100	20000	3000	15400	39000		---	---	SPL
MW-4	01/03/1997	50.76		20.54	---	30.22		99000	---		17000	30000	4300	22700	79000		---	4.2	SPL

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Groundwater Elevation and Analytical Data
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-1	(d)	01/03/1997	---		---	---	---		66000	---	12000	19000	2900	15000	69000		---	---	SPL
MW-4		04/28/1997	50.76		21.28	---	29.48		130000	---	12000	28000	3800	21000	37000		---	3.9	SPL
QC-1	(d)	04/28/1997	---		---	---	---		110000	---	11000	26000	3200	18200	34000		---	---	SPL
MW-4		07/01/1997	50.76		23.61	---	27.15		110000	---	16000	25000	4900	24400	37000		---	3.6	SPL
MW-4		10/02/1997	50.76		25.39	---	25.37		---	---	---	---	---	---	---		---	---	---
MW-4		10/03/1997	50.76		---	---	---		66000	---	8200	8600	2700	13400	80000		---	4.4	SPL
QC-1	(d)	10/03/1997	---		---	---	---		71000	---	8600	8700	2900	13500	84000		---	---	SPL
MW-4		01/09/1998	50.76		21.25	---	29.51		100000	---	9700	3200	1500	4700	92000		---	3.8	SPL
MW-4		05/06/1998	50.76		15.96	---	34.80		430000	---	6900	31000	11000	56000	ND<5000		---	3.9	SPL
QC-1	(d)	05/06/1998	---		---	---	---		440000	---	8000	39000	14000	70000	ND<5000		---	---	SPL
MW-4		07/21/1998	50.76		16.1	---	34.66		250000	---	11000	26000	5500	26900	29000		---	3.7	SPL
QC-1	(d)	07/21/1998	---		---	---	---		210000	---	11000	27000	5600	26800	29000		---	---	SPL
MW-4		12/30/1998	50.76		20.91	---	29.85		370000	---	11000	22000	8500	40000	90000/9200	(j)	---	---	SPL
MW-4		02/02/1999	50.76		20.13	---	30.63		190000	---	4100	19000	4800	32000	28000		---	---	SPL
MW-4		05/10/1999	50.76		16.63	---	34.13		2700	---	23	7.1	8.1	25	120		---	---	SPL
MW-4		09/23/1999	50.76		22.48	---	28.28		180000	---	11000	29000	7000	38000	12000		---	---	SPL
MW-4	(k)	12/23/1999	50.76		22.94	---	27.82		66000	---	6300	5200	2200	7800	35000		---	---	PACE
MW-4		03/27/2000	50.76		16.84	---	33.92		120000	---	8700	12000	3800	16000	27000		---	---	PACE
MW-4		05/22/2000	50.76		17.85	---	32.91		110000	---	7600	16000	4400	20000	25000		---	---	PACE
MW-4		08/31/2000	50.76		21.71	---	29.05		110000	---	8800	7600	3400	14000	18000		---	---	PACE
MW-4		12/11/2000	50.76		22.05	---	28.71		70000	---	4580	3480	2550	9220	24400		---	---	PACE
MW-4		03/20/2001	50.76		17.68	---	33.08		100000	---	7100	4530	2540	9370	63100		---	---	PACE
MW-4		06/19/2001	50.76		19.40	---	31.36		180000	---	7430	14600	5400	25300	36100		---	---	PACE
MW-4	(f)	09/20/2001	50.76		22.01	0.03 (m)	28.75		---	---	---	---	---	---	---		---	---	---
MW-4		12/27/2001	50.76		17.96	---	32.80		120000	---	6880	9030	2840	14600	32300		---	---	PACE
MW-4		02/28/2002	50.76		17.06	---	33.70		80000	---	4920	5450	2220	12300	35900		---	---	PACE
MW-4		06/28/2002	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**

Table 1
Groundwater Elevation and Analytical Data
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	07/24/1992	50.32		30.63	---	19.69		ND	---	1.6	ND	ND	ND	---		---	---	---
MW-6	07/27/1992	50.32		30.63	---	19.69		---	---	---	---	---	---	---		---	---	---
MW-6	09/15/1992	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	12/15/1992	50.32		32.42	---	17.90		58	ND<50	1.3	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
MW-6	03/15/1993	50.32		26.29	---	24.03		ND<50	ND<50	ND<0.5	0.6	ND<0.5	0.7	---	(l)	---	---	PACE
MW-6	06/07/1993	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	09/23/1993	50.32		29.64	---	20.68		---	---	---	---	---	---	---		---	---	---
MW-6	09/24/1993	50.32		---	---	---		ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28.5	(l)	---	---	PACE
MW-6	12/27/1993	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	04/05/1994	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	07/22/1994	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) 10/13/1994	50.32		---	---	---		---	---	---	---	---	---	---		---	---	---
MW-6	01/25/1995	50.32		22.16	---	28.16		240	---	6	ND<0.5	ND<0.5	ND<1	---		---	---	ATI
MW-6	(g) 04/19/1995	50.32		---	---	---		---	---	---	---	---	---	---		---	---	---
MW-6	07/05/1995	50.32		20.80	---	29.52		180	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	4.9	ATI
MW-6	10/05/1995	50.32		24.20	---	26.12		860	---	ND<5.0	ND<5.0	ND<5.0	ND<10	3600		---	2.8	ATI
MW-6	01/12/1996	50.32		25.30	---	25.02		860	---	ND<5.0	ND<5.0	ND<5.0	ND<10	2800		---	4.2	ATI
MW-6	04/22/1996	50.32		19.13	---	31.19		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	470		---	4.3	SPL
MW-6	07/02/1996	50.32		20.66	---	29.66		100	---	ND<0.5	ND<1	ND<1	ND<1	1100		---	4.2	SPL
MW-6	11/08/1996	50.32		20.98	---	29.34		1100	---	ND<5	ND<10	ND<10	ND<10	1500		---	4.3	SPL
MW-6	01/03/1997	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	04/28/1997	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	07/01/1997	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	10/02/1997	50.32		25.16	---	25.16		---	---	---	---	---	---	---		---	---	---
MW-6	10/03/1997	50.32		---	---	---		330	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2600		---	4.4	SPL
MW-6	01/09/1998	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	05/06/1998	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	07/21/1998	50.32		16.33	---	33.99		4300	---	ND<5	ND<10	ND<10	ND<10	3800		---	4.0	SPL
MW-6	12/30/1998	50.32		20.89	---	29.43		---	---	---	---	---	---	---		---	---	---
MW-6	02/02/1999	50.32		20.20	---	30.12		---	---	---	---	---	---	---		---	---	---

Table 1
Groundwater Elevation and Analytical Data
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	05/10/1999	50.32		16.75	---	33.57		---	---	---	---	---	---	---	---	---	---
MW-6	09/23/1999	50.32		22.55	---	27.77		ND<50	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1600	---	---	SPL
MW-6	12/23/1999	50.32		23.00	---	27.32		---	---	---	---	---	---	---	---	---	---
MW-6	03/27/2000	50.32		16.89	---	33.43		1700	---	4.4	0.54	ND<0.5	1.0	14000	---	---	PACE
MW-6	05/22/2000	50.32		18.02	---	32.30		---	---	---	---	---	---	---	---	---	---
MW-6	08/31/2000	50.32		21.62	---	28.70		1200	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3900	---	---	PACE
MW-6	12/11/2000	50.32		21.81	---	28.51		---	---	---	---	---	---	---	---	---	---
MW-6	03/20/2001	50.32		16.97	---	33.35		3300	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	3760	---	---	PACE
MW-6	06/19/2001	50.32		19.30	---	31.02		---	---	---	---	---	---	---	---	---	---
MW-6	09/20/2001	50.32		22.00	---	28.32		2200	---	2.04	8.1	3.62	13.7	2460	---	---	PACE
MW-6	12/27/2001	50.32		17.85	---	32.47		830	---	0.59	ND<0.5	ND<0.5	ND<1.0	1040	---	---	PACE
MW-6	02/28/2002	50.32		16.31	---	34.01		1100	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	1450	---	---	PACE
MW-6	06/28/2002	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**

Table 1
Groundwater Elevation and Analytical Data
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	01/25/1995	51.40		21.67	---	29.73		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.0	ATI
MW-7	04/19/1995	51.40		25.27	---	26.13		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.0	ATI
MW-7	07/05/1995	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	10/05/1995	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	01/12/1996	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	04/22/1996	51.40		23.11	---	28.29		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	13	---	4.8	SPL
MW-7	07/02/1996	51.40		23.56	---	27.84		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.8	SPL
MW-7	11/08/1996	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	01/03/1997	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	04/28/1997	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	07/01/1997	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	10/02/1997	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	01/09/1998	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	05/06/1998	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	07/21/1998	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	12/30/1998	51.40		22.13	---	29.27		---	---	---	---	---	---	---	---	---	---
MW-7	02/02/1999	51.40		22.08	---	29.32		---	---	---	---	---	---	---	---	---	---
MW-7	05/10/1999	51.40		18.58	---	32.82		---	---	---	---	---	---	---	---	---	---
MW-7	09/23/1999	51.40		24.29	---	27.11		70	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	4700	---	---	SPL
MW-7	12/23/1999	51.40		24.53	---	26.87		---	---	---	---	---	---	---	---	---	---
MW-7	03/27/2000	51.40		18.58	---	32.82		910	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2600	---	---	PACE
MW-7	05/22/2000	51.40		19.49	---	31.91		---	---	---	---	---	---	---	---	---	---
MW-7	08/31/2000	51.40		22.53	---	28.87		440	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	900	---	---	PACE
MW-7	12/11/2000	51.40		22.75	---	28.65		---	---	---	---	---	---	---	---	---	---
MW-7	03/20/2001	51.40		18.79	---	32.61		1100	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	1210	---	---	PACE
MW-7	06/19/2001	51.40		19.82	---	31.58		---	---	---	---	---	---	---	---	---	---
MW-7	09/20/2001	51.40		21.35	---	30.05		1300	---	1.21	ND<0.5	ND<0.5	ND<1.5	1550	---	---	PACE
MW-7	12/27/2001	51.40		20.36	---	31.04		510	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	643	---	---	PACE
MW-7	02/28/2002	51.40		21.86	---	29.54		250	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	317	---	---	PACE
MW-7	06/28/2002	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**

Table 1
Groundwater Elevation and Analytical Data
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	01/25/1995	50.88	31.59	---	19.29	54	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.1	ATI
MW-8	04/19/1995	50.88	19.18	---	31.70	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.1	ATI
MW-8	07/05/1995	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	10/05/1995	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	01/12/1996	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	04/22/1996	50.88	18.00	---	32.88	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.8	SPL
MW-8	07/02/1996	50.88	19.83	---	31.05	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	4.5	SPL
MW-8	11/08/1996	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	01/03/1997	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	04/28/1997	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	07/01/1997	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	10/02/1997	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	01/09/1998	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	05/06/1998	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	07/21/1998	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	12/30/1998	50.88	20.40	---	30.48	---	---	---	---	---	---	---	---	---	---
MW-8	02/02/1999	50.88	19.28	---	31.60	---	---	---	---	---	---	---	---	---	---
MW-8	05/10/1999	50.88	15.62	---	35.26	---	---	---	---	---	---	---	---	---	---
MW-8	09/23/1999	50.88	21.74	---	29.14	---	---	---	---	---	---	---	---	---	---
MW-8	12/23/1999	50.88	22.83	---	28.05	---	---	---	---	---	---	---	---	---	---
MW-8	03/27/2000	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	05/22/2000	50.88	17.06	---	33.82	---	---	---	---	---	---	---	---	---	---
MW-8	08/31/2000	50.88	21.72	---	29.16	---	---	---	---	---	---	---	---	---	---
MW-8	12/11/2000	50.88	22.03	---	28.85	---	---	---	---	---	---	---	---	---	---
MW-8	03/20/2001	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	06/19/2001	50.88	19.35	---	31.53	---	---	---	---	---	---	---	---	---	---
MW-8	09/20/2001	50.88	21.95	---	28.93	---	---	---	---	---	---	---	---	---	---
MW-8	12/27/2001	50.88	16.98	---	33.90	---	---	---	---	---	---	---	---	---	---
MW-8	02/28/2002	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	06/28/2002	50.88	16.97	---	33.91	---	---	---	---	---	---	---	---	---	---
MW-8	**09/12/2002***	**50.88**	**19.47**	---	**31.41**	---	---	---	---	---	---	---	---	---	---

Table 1
Groundwater Elevation and Analytical Data
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	01/25/1995	51.05		22.32	---	28.73		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	7.4	ATI
MW-9	04/19/1995	51.05		19.86	---	31.19		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	5.2	ATI
MW-9	07/05/1995	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	10/05/1995	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) 10/05/1995	---		---	---	---		52	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	160	---	---	ATI
MW-9	01/12/1996	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	04/22/1996	51.05		18.01	---	33.04		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	11	---	3.5	SPL
MW-9	07/02/1996	51.05		19.70	---	31.35		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	3.3	SPL
MW-9	11/08/1996	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	01/03/1997	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	04/28/1997	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	07/01/1997	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	10/02/1997	51.05		24.33	---	26.72		---	---	---	---	---	---	---	---	---	---
MW-9	10/03/1997	51.05		---	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.4	SPL
MW-9	01/09/1998	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	05/06/1998	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	07/21/1998	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) 12/30/1998	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 02/02/1999	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 05/10/1999	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 09/23/1999	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 12/23/1999	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 03/27/2000	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 05/22/2000	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 08/31/2000	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 12/11/2000	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 03/20/2001	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	(g) 06/19/2001	51.05		---	---	---		---	---	---	---	---	---	---	---	---	---
MW-9	09/20/2001	51.05		22.20	---	28.85		6300	---	2.87	ND<0.5	ND<0.5	ND<1.5	8640	---	---	PACE
MW-9	12/27/2001	51.05		18.92	---	32.13		---	---	---	---	---	---	---	---	---	---
MW-9	02/28/2002	51.05		17.22	---	33.83		19000	---	1560	61.3	84	111	20200	---	---	PACE
MW-9	06/28/2002	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**

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Groundwater Elevation and Analytical Data
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	01/09/1998	---	h	20.97	---	---		ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.3	SPL
MW-10	05/06/1998	---	h	18.07	---	---		800	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	980	---	3.9	SPL
MW-10	07/21/1998	---	h	18.28	---	---		80	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4.0	SPL
MW-10	12/30/1998	---	h	22.22	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	02/02/1999	---	h	21.83	---	---		940	---	ND<10	ND<10	ND<10	ND<10	690	---	---	SPL
MW-10	05/10/1999	---	h	17.99	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	09/23/1999	---	h	22.61	---	---		ND<50	---	ND<1.0	ND<1.0	ND<1.0	1.4	1000	---	---	SPL
MW-10	12/23/1999	---	h	23.75	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	03/27/2000	---	h	18.83	---	---		1900	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	28000	---	---	PACE
MW-10	05/22/2000	---	h	19.47	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	08/31/2000	---	h	22.64	---	---		1700	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13000	---	---	PACE
MW-10	12/11/2000	---	h	22.84	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	03/20/2001	---	h	19.57	---	---		16000	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	11900	---	---	PACE
MW-10	06/19/2001	---	h	20.63	---	---		---	---	---	---	---	---	---	---	---	---
MW-10	09/20/2001	---	h	23.07	---	---		5800	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	8160	---	---	PACE
MW-10	12/27/2001	---	h	20.92	---	---		6600	---	17.3	14.5	ND<12.5	ND<25	7750	---	---	PACE
MW-10	02/28/2002	---	h	18.52	---	---		3600	---	10.8	ND<0.5	ND<0.5	ND<1.0	5380	---	---	PACE
MW-10	06/28/2002	---	h	18.41	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	2570	---	---	PACE
W-10	**09/12/2002***	---	**h**	**20.57**	---	---		**660**	---	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**3300**	---	---	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
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)	09/15/1992	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
QC-2	(i)	12/15/1992	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ANA
QC-2	(i)	03/15/1993	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	---	PACE
QC-2	(i)	06/07/1993	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(l)	---	---	PACE
QC-2	(i)	09/24/1993	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	12/27/1993	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	04/05/1994	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	07/22/1994	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	10/13/1994	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(l)	---	---	PACE
QC-2	(i)	01/25/1995	---		---	---	---		ND<50	---	ND<0.5	2	0.6	1	---		---	---	ATI
QC-2	(i)	04/19/1995	---		---	---	---		ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	---	ATI
QC-2	(i)	07/05/1995	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	ATI
QC-2	(i)	10/05/1995	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	ATI
QC-2	(i)	01/12/1996	---		---	---	---		ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	ATI
QC-2	(i)	04/22/1996	---		---	---	---		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	SPL
QC-2	(i)	07/02/1996	---		---	---	---		ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	SPL

Table 1
Groundwater Elevation and Analytical Data
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

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.

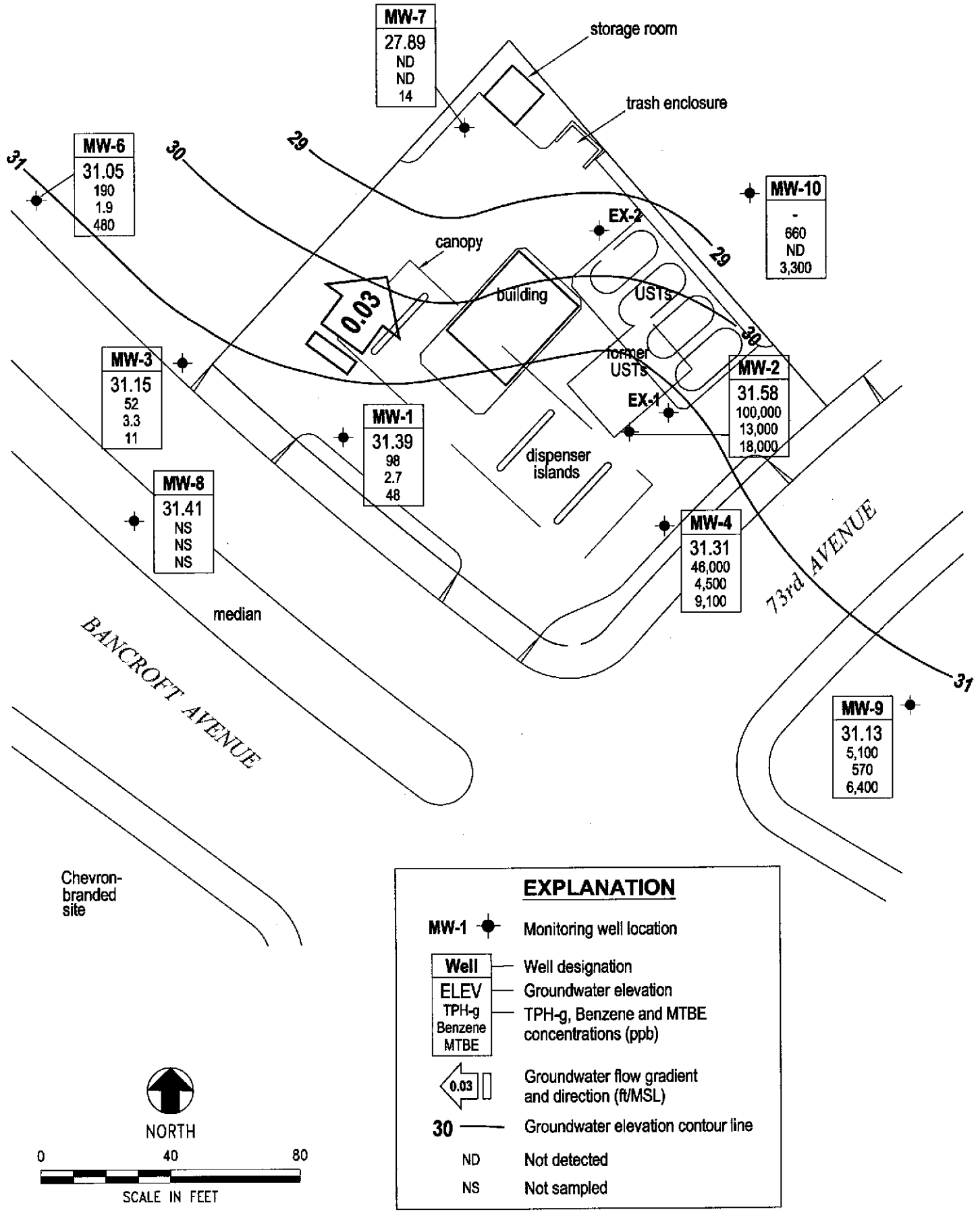
(l) A copy of the documentation for this data can be found in Blaine Tech Services report 010619-C-2. The MTBE data for the March 15, 1993 and June 7, 1993 events have been destroyed.

(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



URS	Project No. 38486030 Former BP Service Station #11117 7210 Bancroft Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2002 (September 12, 2002)	FIGURE 1

X:\x_env_waste\BP GEM\Sites\RMH Sites\BP Heritage\11107\Reports\Monitoring\Qtr.3, 2002\GWEC-AS_9-12.dwg

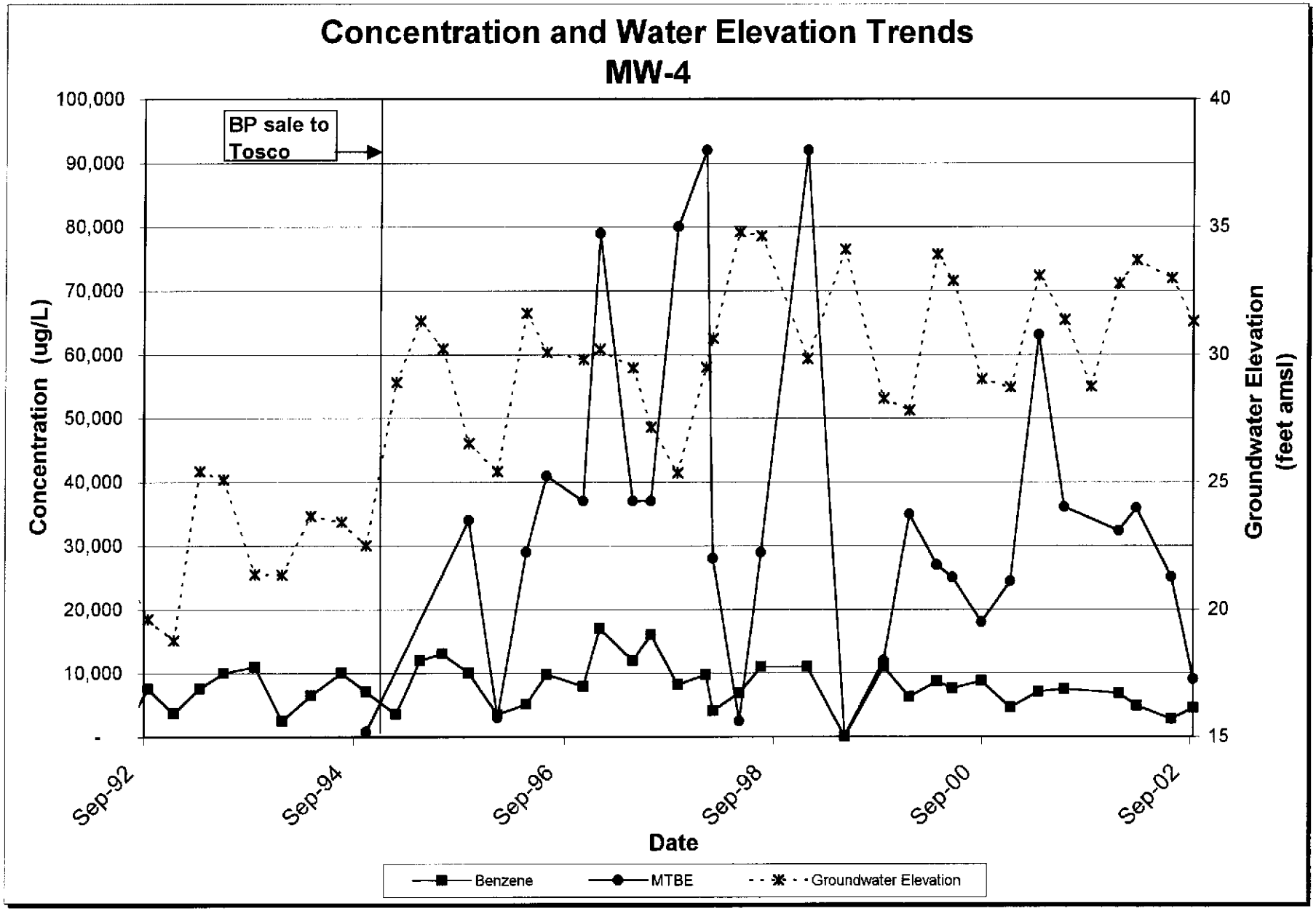

Concentration and Water Elevation Trends
MW-4
BP sale to Tosco
Concentration (ug/L)
Groundwater Elevation (feet amsl)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
40
35
30
25
20
15
Sep-92
Sep-94
Sep-96
Sep-98
Sep-00
Sep-02
Date
Benzene
MTBE
Groundwater Elevation

Chart 1

ATTACHMENT A

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 # 020912-BM2 Date 9/12/02 Client BP 11/17

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	
MW-1	2					18.41	36.50	TOC	
MW-2	2	pressure				19.52	39.41		
MW-3	2					18.80	40.53		
MW-4	2					19.45	39.65		
MW-6	2					19.27	38.53		
MW-7	2	pressure				23.51	44.77		
MW-8	2					19.47	39.56		
MW-9	2	pressure				19.92	38.89		
MW-10	2					20.57	35.70		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020912-BP2	Station # 1117
Sampler: Brian Alcorn	Date: 9/12/02
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 36.50	Depth to Water: 18.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

2.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 8.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1328	66.3	7.4	669 mS	3.0	cloudy brown
1331	66.1	6.8	654 mS	6.0	Semi cloudy brown
1333	65.8	6.9	617 mS	9.0	clear

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

Sampling Time: 1340 Sampling Date: 9/12/02

Sample I.D.: MW-1 Laboratory: Pace (Sequoia) Other ____

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020912-BP2	Station # 11117
Sampler: Brian Alcorn	Date: 9/12/02
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.41	Depth to Water: 19.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1347	69.0	7.1	582 mS	3.25	clear odor
1350	69.2	6.6	606 mS	6.5	"
1353	69.1	6.6	626 mS	9.75	"

Did well dewater? Yes (No) Gallons actually evacuated: 9.75

Sampling Time: 1400 Sampling Date: 9/12/02

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

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020912-BA2	Station # 1117
Sampler: Blaine Alcorn	Date: 9/12/02
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 40.53	Depth to Water: 18.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

Top of Screen: ~

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1155	66.2	5.8	862 ~s	3.5	cloudy brown odor
1200	66.7	6.6	796 ~S	7	"
1205	66.7	7.0	786 ~S	10.5	semi-cloudy brown

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

Sampling Time: 1210 Sampling Date: 9/12/02

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 #: 020912-BA2	Station # 11117
Sampler: Brian Alcorn	Date: 9/12/02
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.65	Depth to Water: 19.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1438	70.3	7.1	845 ~S	3.25	cloudy lt. brown odor
1441	70.8	6.8	861 ~S	6.5	"
1444	71.0	6.8	876 ~S	9.75	"

Did well dewater? Yes (No) Gallons actually evacuated: 9.75

Sampling Time: 1450 Sampling Date: 9/12/02

Sample I.D.: MW-4 Laboratory: Pace (Sequoia) Other ____

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020912-BP-2	Station # 11117
Sampler: Brian Alcorn	Date: 9/12/02
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 38.53	Depth to Water: 14.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

3.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = " 9.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1245	69.6	7.3	772 ~S	3	cloudy brown sandy silt
1248	69.4	6.8	785 ~S	6	"
1251	69.6	7.1	789 ~S	9	clear with sand

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

Sampling Time: 1300 Sampling Date: 9/12/02

Sample I.D.: MW-6 Laboratory: Pace (Sequoia) Other ____

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020912-BA2	Station # 1117
Sampler: Brian Alcorn	Date: 9/12/02
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 44.77	Depth to Water: 23.51
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 / (Middleburg) / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Other: ___

Top of Screen: —

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1221	70.2	6.6	325 mS	3.5	sand clouds brown
1225	70.4	7.3	367 mS	7	clear
1228	70.8	7.5	323 mS	10.5	"

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

Sampling Time: 1235 Sampling Date: 9/12/02

Sample I.D.: MW-7 Laboratory: Pace (Sequoia) Other ___

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020912-BA2	Station # 11117
Sampler: Brian Alcorn	Date: 9/12/02
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 38.89	Depth to Water: 19.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1414	66.5	7.1	1049 mS	3.0	cloudy gray silty mild odor
1417	66.7	6.8	920 mS	6.0	semi cloudy gray mild odor
1420	67.0	6.8	882 mS	9.0	semi cloudy gray mild odor

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

Sampling Time: 1425 Sampling Date: 9/12/02

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

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 020912-BA2	Station # 11117
Sampler: Brian Alcorn	Date: 9/12/02
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 35.70	Depth to Water: 20.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1306	71.0	7.7	997 mS	2.5	clouds brown mild odor
1309	71.0	7.0	1008 mS	5	"
1312	70.5	7.2	917 mS	7.5	"

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

Sampling Time: 1320 Sampling Date: 9/12/02

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 AND REPAIR ORDER

Client BP Inspection Date 9/12/02

Site Address 7210 BANCROFT, OAKLAND Inspected By BRIAN ALLEN

1. Lid on box?	6. Casing secure?	12. Water standing in wellbox?	15. Well cap functional?
2. Lid broken?	7. Casing cut level?	12a. Standing above the top of casing?	16. Can cap be pulled loose?
3. Lid bolts missing?	8. Debris in wellbox?	12b. Standing below the top of casing?	17. Can cap seal out water?
4. Lid bolts stripped?	9. Wellbox is too far above grade?	12c. Water even with the top of casing?	18. Padlock present?
5. Lid seal intact?	10. Wellbox is too far below grade?	13. Well cap present?	19. Padlock functional?
	11. Wellbox is crushed/damaged?	14. Well cap found secure?	

☐ Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken
MW-10	Rusted Lock	Replaced #2357

Note below all defiencies that could not be corrected and still need to be corrected.

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected
MW-8	12A - Water	BTS can make		
MW-3	4-Retap or replace all one bolt	Corrections if		
MW-7	11-Bolt Tabs broken 3-One bolt	requested		
MW-10	12A-Water			

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:

1117

Station #

7210 BANCROFT, OAKLAND

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

77

added equip. rinse water 8

any other adjustments

TOTAL GALS. RECOVERED 85

loaded onto BTS vehicle # 14

BTS event # 020912-BA2

time 1500

date 9/12/02

signature

* *

REC'D AT

time

date

/ /

unloaded by signature

ATTACHMENT B

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.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
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FAX (408) 782-6308
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2 October, 2002

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

RE: BP Heritage Site #11117, Oakland, CA
Sequoia Report: MLI0354

Enclosed are the results of analyses for samples received by the laboratory on 09/13/02 16:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya K. Pelt

Latonya Pelt
Project Manager

CA ELAP Certificate #1210

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/02/02 18:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MLI0354-01	Water	09/12/02 13:40	09/13/02 16:20
MW-2	MLI0354-02	Water	09/12/02 14:00	09/13/02 16:20
MW-3	MLI0354-03	Water	09/12/02 12:10	09/13/02 16:20
MW-4	MLI0354-04	Water	09/12/02 14:50	09/13/02 16:20
MW-6	MLI0354-05	Water	09/12/02 13:00	09/13/02 16:20
MW-7	MLI0354-06	Water	09/12/02 12:35	09/13/02 16:20
MW-9	MLI0354-07	Water	09/12/02 14:25	09/13/02 16:20
MW-10	MLI0354-08	Water	09/12/02 13:20	09/13/02 16:20

Sequoia Analytical - Morgan Hill

Latonya K. Pelt

Latonya Pelt, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/02/02 18:43

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 (MLI0354-01) Water Sampled: 09/12/02 13:40 Received: 09/13/02 16:20									
Gasoline Range Organics (C6-C10)	**98**	50	ug/l	1	2I23004	09/23/02	09/23/02	8015Bm/8021 B	HC-12
Benzene	**2.7**	0.50	"	"	"	"	"	"	
Toluene	**1.5**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.5**	0.50	"	"	"	"	"	"	
Xylenes (total)	**5.4**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**48**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*70-130*		"	"	"	"	
MW-2 (MLI0354-02) Water Sampled: 09/12/02 14:00 Received: 09/13/02 16:20									
Gasoline Range Organics (C6-C10)	**100000**	25000	ug/l	500	2I25002	09/25/02	09/25/02	8015Bm/8021 B	HC-21
Benzene	**13000**	250	"	"	"	"	"	"	
Toluene	**22000**	250	"	"	"	"	"	"	
Ethylbenzene	**3600**	250	"	"	"	"	"	"	
Xylenes (total)	**20000**	250	"	"	"	"	"	"	
Methyl tert-butyl ether	**18000**	1200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*70-130*		"	"	"	"	
MW-3 (MLI0354-03) Water Sampled: 09/12/02 12:10 Received: 09/13/02 16:20									
Gasoline Range Organics (C6-C10)	**52**	50	ug/l	1	2I24003	09/24/02	09/24/02	8015Bm/8021 B	HC-21
Benzene	**3.3**	0.50	"	"	"	"	"	"	
Toluene	**8.6**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.7**	0.50	"	"	"	"	"	"	
Xylenes (total)	**12**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**11**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*70-130*		"	"	"	"	

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URS Corporation	Project: BP Heritage Site #11117, Oakland, CA	
500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/02/02 18:43

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-4 (MLI0354-04) Water Sampled: 09/12/02 14:50 Received: 09/13/02 16:20									
Gasoline Range Organics (C6-C10)	**46000**	5000	ug/l	100	2I24003	09/24/02	09/24/02	8015Bm/8021B	HC-21
Benzene	**4500**	50	"	"	"	"	"	"	
Toluene	**6800**	50	"	"	"	"	"	"	
Ethylbenzene	**2600**	50	"	"	"	"	"	"	
Xylenes (total)	**10000**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**9100**	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*122 %*	*70-130*		"	"	"	"	
MW-6 (MLI0354-05) Water Sampled: 09/12/02 13:00 Received: 09/13/02 16:20									
Gasoline Range Organics (C6-C10)	**190**	50	ug/l	1	2I24003	09/24/02	09/24/02	8015Bm/8021B	HC-12
Benzene	**1.9**	0.50	"	"	"	"	"	"	
Toluene	**4.6**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.0**	0.50	"	"	"	"	"	"	
Xylenes (total)	**7.3**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**480**	10	"	4	"	"	09/25/02	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*70-130*		"	"	*09/24/02*	"	
MW-7 (MLI0354-06) Water Sampled: 09/12/02 12:35 Received: 09/13/02 16:20									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	2I24003	09/24/02	09/24/02	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.0**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**14**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*70-130*		"	"	"	"	

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/02/02 18:43

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

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 (MLI0354-07) Water Sampled: 09/12/02 14:25 Received: 09/13/02 16:20									
Gasoline Range Organics (C6-C10)	**5100**	2500	ug/l	50	2I24003	09/24/02	09/24/02	8015Bm/8021 B	HC-21
Benzene	**570**	25	"	"	"	"	"	"	
Toluene	**180**	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Xylenes (total)	**220**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**6400**	120	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.1 %*	*70-130*		"	"	"	"	
MW-10 (MLI0354-08) Water Sampled: 09/12/02 13:20 Received: 09/13/02 16:20									
Gasoline Range Organics (C6-C10)	**660**	500	ug/l	10	2I25002	09/25/02	09/25/02	8015Bm/8021 B	HC-12
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**3300**	25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.0 %*	*70-130*		"	"	"	"	

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/02/02 18:43

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 2I23004 - EPA 5030B [P/T]										
Blank (2I23004-BLK1)				Prepared & Analyzed: 09/23/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*10.2*		"	*10.0*		*102*	*70-130*			
LCS (2I23004-BS1)				Prepared & Analyzed: 09/23/02						
Benzene	10.3	0.50	ug/l	10.0		103	70-130			
Toluene	9.59	0.50	"	10.0		95.9	70-130			
Ethylbenzene	9.05	0.50	"	10.0		90.5	70-130			
Xylenes (total)	26.3	0.50	"	30.0		87.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.86*		"	*10.0*		*98.6*	*70-130*			
LCS (2I23004-BS2)				Prepared & Analyzed: 09/23/02						
Gasoline Range Organics (C6-C10)	251	50	ug/l	250		100	70-130			
Surrogate: a,a,a-Trifluorotoluene	*14.7*		"	*10.0*		*147*	*70-130*			*S-02*
Matrix Spike (2I23004-MS1)	**Source: MLI0355-09**			Prepared & Analyzed: 09/23/02						
Gasoline Range Organics (C6-C10)	507	50	ug/l	550	ND	92.2	60-140			
Benzene	8.66	0.50	"	6.60	ND	131	60-140			
Toluene	43.5	0.50	"	39.7	ND	110	60-140			
Ethylbenzene	9.12	0.50	"	9.20	ND	99.1	60-140			
Xylenes (total)	45.5	0.50	"	46.1	ND	98.7	60-140			
Surrogate: a,a,a-Trifluorotoluene	*16.8*		"	*10.0*		*168*	*70-130*			*QM-07*
Matrix Spike Dup (2I23004-MSD1)	**Source: MLI0355-09**			Prepared & Analyzed: 09/23/02						
Gasoline Range Organics (C6-C10)	496	50	ug/l	550	ND	90.2	60-140	2.19	25	
Benzene	8.02	0.50	"	6.60	ND	122	60-140	7.67	25	
Toluene	42.3	0.50	"	39.7	ND	107	60-140	2.80	25	
Ethylbenzene	9.28	0.50	"	9.20	ND	101	60-140	1.74	25	
Xylenes (total)	44.7	0.50	"	46.1	ND	97.0	60-140	1.77	25	
Surrogate: a,a,a-Trifluorotoluene	*14.0*		"	*10.0*		*140*	*70-130*			*QM-07*

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/02/02 18:43

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 2I24003 - EPA 5030B [P/T]										
Blank (2I24003-BLK1)				Prepared & Analyzed: 09/24/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.78*		"	*10.0*		*97.8*	*70-130*			
LCS (2I24003-BS1)				Prepared & Analyzed: 09/24/02						
Benzene	9.30	0.50	ug/l	10.0		93.0	70-130			
Toluene	9.29	0.50	"	10.0		92.9	70-130			
Ethylbenzene	8.89	0.50	"	10.0		88.9	70-130			
Xylenes (total)	27.2	0.50	"	30.0		90.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.50*		"	*10.0*		*95.0*	*70-130*			
LCS (2I24003-BS2)				Prepared & Analyzed: 09/24/02						
Gasoline Range Organics (C6-C10)	239	50	ug/l	250		95.6	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.3*		"	*10.0*		*103*	*70-130*			
Matrix Spike (2I24003-MS1)		**Source: MLI0354-06**		Prepared & Analyzed: 09/24/02						
Gasoline Range Organics (C6-C10)	490	50	ug/l	550	ND	89.1	60-140			
Benzene	9.78	0.50	"	6.60	ND	145	60-140			QM-07
Toluene	43.4	0.50	"	39.7	ND	109	60-140			
Ethylbenzene	9.86	0.50	"	9.20	ND	107	60-140			
Xylenes (total)	48.6	0.50	"	46.1	1.0	103	60-140			
Surrogate: a,a,a-Trifluorotoluene	*14.9*		"	*10.0*		*149*	*70-130*			*QM-07*
Matrix Spike Dup (2I24003-MSD1)		**Source: MLI0354-06**		Prepared & Analyzed: 09/24/02						
Gasoline Range Organics (C6-C10)	536	50	ug/l	550	ND	97.5	60-140	8.97	25	
Benzene	12.7	0.50	"	6.60	ND	189	60-140	26.0	25	QM-07
Toluene	47.4	0.50	"	39.7	ND	119	60-140	8.81	25	
Ethylbenzene	10.4	0.50	"	9.20	ND	113	60-140	5.33	25	
Xylenes (total)	51.4	0.50	"	46.1	1.0	109	60-140	5.60	25	
Surrogate: a,a,a-Trifluorotoluene	*13.6*		"	*10.0*		*136*	*70-130*			*QM-07*

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/02/02 18:43

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 2I25002 - EPA 5030B [P/T]										
Blank (2I25002-BLK1)				Prepared & Analyzed: 09/25/02						
Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*9.61*		"	*10.0*		*96.1*	*70-130*			
LCS (2I25002-BS1)				Prepared & Analyzed: 09/25/02						
Benzene	9.93	0.50	ug/l	10.0		99.3	70-130			
Toluene	9.99	0.50	"	10.0		99.9	70-130			
Ethylbenzene	10.3	0.50	"	10.0		103	70-130			
Xylenes (total)	30.4	0.50	"	30.0		101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*10.9*		"	*10.0*		*109*	*70-130*			
LCS (2I25002-BS2)				Prepared & Analyzed: 09/25/02						
Gasoline Range Organics (C6-C10)	237	50	ug/l	250		94.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*11.1*		"	*10.0*		*111*	*70-130*			

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500 12th Street, Suite 100	Project Number: BP Heritage Site #11117, Oakland, CA	**Reported:**
Oakland CA, 94607	Project Manager: Robert Horwath	10/02/02 18:43

Notes and Definitions

HC-12	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
HC-21	Chromatogram Pattern: Gasoline C6-C10
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
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

BP BU/GEM CO Portfolio:

BP Laboratory Contract Number:

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

ate: 9/12/02 **Requested Due Date (mm/dd/yy)** Standard

d To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Name: SEQUOIA	BP/GEM Facility Address: 7210 BANCROFT, OAKLAND, CA	Address: 500 12th St., Ste. 200
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.:
PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant Tele/Fax: 510-874-3101 / 510-874-3268
/Fax: 408-776-9600 / 408-782-6308	Address:	Consultant/Contractor PM: Robert Horwath
ort Type & QC Level: Send EDF Reports		Invoice to: Consultant/Contractor or BP/GEM (Circle one)
GEM Account No.: 400-6-21124	Tele/Fax:	BP/GEM Work Release No:

Bottle Order No:

n No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	Requested Analysis: TPH -D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Sample Point Lat/Long and Comments
1	MW-1	1340		W				3				X	X		X			
2	MW-2	1400		↓				↓				X	X		X			
3	MW-3	1210										X	X		X			
4	MW-4	1450										X	X		X			
5	MW-6	1300										X	X		X			
6	MW-7	1235										X	X		X			
7	MW-9	1425										X	X		X			
8	MW-10	1320		↓				↓				X	X		X			
9																		
0																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
pler's Name: Brian Allonas						
pler's Company: Blaine Tech Services		9/13/02	8:27		9/13/02	8:27
ment Date:						
ment Method:						
ment Tracking No:						

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

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

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

11/01/02

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage Site #11117,
Work Order Number:	MLI0354
Global ID:	T0600100201
Lab Report Number:	MLI0354100220021843

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MLI035410022002 1843	MW-1	MLI035401	W	CS	SW8020F	SW5030B	09/12/02	09/23/02	09/23/02	2I23004	1
MLI035410022002 1843	MW-10	MLI035408	W	CS	SW8020F	SW5030B	09/12/02	09/25/02	09/25/02	2I25002	1
MLI035410022002 1843	MW-2	MLI035402	W	CS	SW8020F	SW5030B	09/12/02	09/25/02	09/25/02	2I25002	1
MLI035410022002 1843	MW-3	MLI035403	W	CS	SW8020F	SW5030B	09/12/02	09/24/02	09/24/02	2I24003	1
MLI035410022002 1843	MW-4	MLI035404	W	CS	SW8020F	SW5030B	09/12/02	09/24/02	09/24/02	2I24003	1
MLI035410022002 1843	MW-6	MLI035405	W	CS	SW8020F	SW5030B	09/12/02	09/24/02	09/24/02	2I24003	1
MLI035410022002 1843	MW-6	MLI035405	W	CS	SW8020F	SW5030B	09/12/02	09/24/02	09/25/02	2I24003	2
MLI035410022002 1843	MW-7	MLI035406	W	CS	SW8020F	SW5030B	09/12/02	09/24/02	09/24/02	2I24003	1
MLI035410022002 1843	MW-9	MLI035407	W	CS	SW8020F	SW5030B	09/12/02	09/24/02	09/24/02	2I24003	1
		MLI035509	W	NC	SW8020F	SW5030B	/ /	09/23/02	09/23/02	2I23004	1
		2I23004BS1	WQ	BS1	SW8020F	SW5030B	/ /	09/23/02	09/23/02	2I23004	1
		2I23004BS2	WQ	BS2	SW8020F	SW5030B	/ /	09/23/02	09/23/02	2I23004	1
		2I23004BLK1	WQ	LB1	SW8020F	SW5030B	/ /	09/23/02	09/23/02	2I23004	1
		2I23004MS1	W	MS1	SW8020F	SW5030B	/ /	09/23/02	09/23/02	2I23004	1
		2I23004MSD1	W	SD1	SW8020F	SW5030B	/ /	09/23/02	09/23/02	2I23004	1
		2I24003BS1	WQ	BS1	SW8020F	SW5030B	/ /	09/24/02	09/24/02	2I24003	1
		2I24003BS2	WQ	BS2	SW8020F	SW5030B	/ /	09/24/02	09/24/02	2I24003	1
		2I24003BLK1	WQ	LB1	SW8020F	SW5030B	/ /	09/24/02	09/24/02	2I24003	1
		2I24003MS1	W	MS1	SW8020F	SW5030B	/ /	09/24/02	09/24/02	2I24003	1
		2I24003MSD1	W	SD1	SW8020F	SW5030B	/ /	09/24/02	09/24/02	2I24003	1
		2I25002BS1	WQ	BS1	SW8020F	SW5030B	/ /	09/25/02	09/25/02	2I25002	1
		2I25002BS2	WQ	BS2	SW8020F	SW5030B	/ /	09/25/02	09/25/02	2I25002	1
		2I25002BLK1	WQ	LB1	SW8020F	SW5030B	/ /	09/25/02	09/25/02	2I25002	1

EDFSAMP: Error Summary Log

11/01/02

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

EDFTEST: Error Summary Log

11/01/02

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

EDFRES: Error Summary Log

11/01/02

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	2I23004MS1	MS1	W	SW8020F	PR	09/23/02	1	AAATFBZME
Warning: extra parameter	2I23004MS1	MS1	W	SW8020F	PR	09/23/02	1	GROC6C10
Warning: extra parameter	2I23004MSD1	SD1	W	SW8020F	PR	09/23/02	1	AAATFBZME
Warning: extra parameter	2I23004MSD1	SD1	W	SW8020F	PR	09/23/02	1	GROC6C10
Warning: extra parameter	2I24003MS1	MS1	W	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	2I24003MS1	MS1	W	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	2I24003MSD1	SD1	W	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	2I24003MSD1	SD1	W	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	MLI035401	CS	W	SW8020F	PR	09/23/02	1	AAATFBZME
Warning: extra parameter	MLI035401	CS	W	SW8020F	PR	09/23/02	1	GROC6C10
Warning: extra parameter	MLI035401	CS	W	SW8020F	PR	09/23/02	1	MTBE
Warning: extra parameter	MLI035402	CS	W	SW8020F	PR	09/25/02	1	AAATFBZME
Warning: extra parameter	MLI035402	CS	W	SW8020F	PR	09/25/02	1	GROC6C10
Warning: extra parameter	MLI035402	CS	W	SW8020F	PR	09/25/02	1	MTBE
Warning: extra parameter	MLI035403	CS	W	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	MLI035403	CS	W	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	MLI035403	CS	W	SW8020F	PR	09/24/02	1	MTBE
Warning: extra parameter	MLI035404	CS	W	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	MLI035404	CS	W	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	MLI035404	CS	W	SW8020F	PR	09/24/02	1	MTBE
Warning: extra parameter	MLI035405	CS	W	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	MLI035405	CS	W	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	MLI035405	CS	W	SW8020F	PR	09/25/02	2	MTBE
Warning: extra parameter	MLI035406	CS	W	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	MLI035406	CS	W	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	MLI035406	CS	W	SW8020F	PR	09/24/02	1	MTBE

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MLI035407	CS	W	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	MLI035407	CS	W	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	MLI035407	CS	W	SW8020F	PR	09/24/02	1	MTBE
Warning: extra parameter	MLI035408	CS	W	SW8020F	PR	09/25/02	1	AAATFBZME
Warning: extra parameter	MLI035408	CS	W	SW8020F	PR	09/25/02	1	GROC6C10
Warning: extra parameter	MLI035408	CS	W	SW8020F	PR	09/25/02	1	MTBE
Warning: extra parameter	MLI035509	NC	W	SW8020F	PR	09/23/02	1	AAATFBZME
Warning: extra parameter	MLI035509	NC	W	SW8020F	PR	09/23/02	1	GROC6C10
Warning: extra parameter	2I23004BLK1	LB1	WQ	SW8020F	PR	09/23/02	1	AAATFBZME
Warning: extra parameter	2I23004BLK1	LB1	WQ	SW8020F	PR	09/23/02	1	GROC6C10
Warning: extra parameter	2I23004BLK1	LB1	WQ	SW8020F	PR	09/23/02	1	MTBE
Warning: extra parameter	2I23004BS1	BS1	WQ	SW8020F	PR	09/23/02	1	AAATFBZME
Warning: extra parameter	2I23004BS2	BS2	WQ	SW8020F	PR	09/23/02	1	AAATFBZME
Warning: extra parameter	2I23004BS2	BS2	WQ	SW8020F	PR	09/23/02	1	GROC6C10
Warning: extra parameter	2I24003BLK1	LB1	WQ	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	2I24003BLK1	LB1	WQ	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	2I24003BLK1	LB1	WQ	SW8020F	PR	09/24/02	1	MTBE
Warning: extra parameter	2I24003BS1	BS1	WQ	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	2I24003BS2	BS2	WQ	SW8020F	PR	09/24/02	1	AAATFBZME
Warning: extra parameter	2I24003BS2	BS2	WQ	SW8020F	PR	09/24/02	1	GROC6C10
Warning: extra parameter	2I25002BLK1	LB1	WQ	SW8020F	PR	09/25/02	1	AAATFBZME
Warning: extra parameter	2I25002BLK1	LB1	WQ	SW8020F	PR	09/25/02	1	GROC6C10
Warning: extra parameter	2I25002BLK1	LB1	WQ	SW8020F	PR	09/25/02	1	MTBE
Warning: extra parameter	2I25002BS1	BS1	WQ	SW8020F	PR	09/25/02	1	AAATFBZME
Warning: extra parameter	2I25002BS2	BS2	WQ	SW8020F	PR	09/25/02	1	AAATFBZME
Warning: extra parameter	2I25002BS2	BS2	WQ	SW8020F	PR	09/25/02	1	GROC6C10

EDFQC: Error Summary Log

11/01/02

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

EDFCL: Error Summary Log

11/01/02

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

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Submittal Type: GW Monitoring Report

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