URS

August 15, 2003

R0407

Alameda County
AUG 1 2003
Environmental Health

Mr. Amir Gholami
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: Second 2003 Semi-Annual Groundwater Monitoring Report
Former BP Service Station #11133
2220 98th Avenue
Oakland, CA
URS Project #38486452

Dear Mr. Gholami:

On behalf of the Group Environmental Management Company (a BP affiliated company), URS Corporation (URS) is submitting the *Second 2003 Semi-Annual Groundwater Monitoring Report* for the Former BP Service Station #11133, located at 2220 98th Avenue, Oakland, California.

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

Sincerely,

URS CORPORATION

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

Leonard P. Niles

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

Enclosure: Second 2003 Semi-Annual Groundwater Monitoring Report

cc: Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)
Ms. Liz Sewell, ConocoPhilips, 76 Broadway, Sacramento, CA 95818

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

Alameda County
AUG 14 2003
Environmental Health

THIRD 2003 SEMI-ANNUAL GROUNDWATER MONITORING

FORMER BP SERVICE STATION #11133
2220 98TH AVENUE,
OAKLAND, CALIFORNIA

Prepared for
BP GEM

August 15, 2003

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

38486452

Date: August 15, 2003

Quarter: 3Q 03

BP GEM SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Facility No.:	11133	Address:	2220 98th Avenue, Oakland, CA
BP Environmental Engineer:			Paul Supple
Consulting Co./Contact Person:			URS Corporation/ Leonard Niles
Consultant Project No.:			38486452
Primary Agency:			Alameda Country Health Care Services Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (Third – 2003):

1. Performed second 2003 semi-annual groundwater monitoring event on July 7, 2003.
2. Prepared and submitted second quarter 2003 status report.
3. Prepare and submit second 2003 semi-annual groundwater monitoring report.
4. Performed monthly free product measurement in well RW-1.

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2003):

1. Perform monthly free product measurement in well RW-1.
2. Prepare and submit fourth quarter 2003 status report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-1, MW-3, AW-1, AW-4, AW-5, RW-1 semiannual (1st and 3rd quarters); AW-2, AW-6 annual; MW-2, AW-3, AW-7, AW-8 not sampled
Frequency of Groundwater Monitoring:	Semiannual
Is Free Product (FP) Present On-Site:	Sheen (MW-1, AW-1 & RW-1)
Current Remediation Techniques:	FP monitoring/bailing in RW-1 (when FP is detected)
Approximate Depth to Groundwater:	9.63 (MW-2) to 19.80 (AW-1) feet
Groundwater Gradient (direction):	Variable; Southwest to East
Groundwater Gradient (magnitude):	Variable; 0.04 to 0.08 feet per foot

DISCUSSION:

TPH-g was detected in five of the six wells sampled at concentrations ranging from 600 µg/L (AW-4) to 50,000 µg/L (RW-1). Benzene was detected in four wells at concentrations ranging from 42 µg/L (MW-1) to 1,600 µg/L (AW-1). MTBE was detected in five wells at concentrations ranging from 8.8 µg/L (MW-3) to 1,100 µg/L (AW-1). TBA was detected in one well at a concentration of 1,200 µg/L (AW-5). TAME was detected in three wells at concentrations ranging from 0.65 µg/L (MW-3) to 210 µg/L (AW-5).

A potentiometric trough along the eastern site boundary divides groundwater flow direction into two components. The local groundwater gradient in the vicinity of the underground storage tanks (UST) varied from the southwest to east and had a magnitude range of 0.04 to 0.08 feet per foot.

RECOMMENDATIONS:

Free product has not been detected in well RW-1 during the previous five semi-annual monitoring events. URS recommends reducing the current quarterly product measurement and bailing program in RW-1 to a semi-annual basis.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – July 7, 2003
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Fuel Oxygenate Analytical Data
- Attachment A – Concentration and Water Level Trends (AW-1)
- Attachment B – Field Procedures and Field Data Sheets
- Attachment C – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment D – EDCC Report and EDF/Geowell Submittal Confirmation

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
MW-1	4/5/91	34.46		---	---	---		---	---	---	---	---	---		---	---
MW-1	4/1/92	34.46		11.25	0.01	23.22		---	---	---	---	---	---		---	---
MW-1	7/6/92	34.46		13.61	0.02	20.87		---	---	---	---	---	---		---	---
MW-1	10/7/92	34.46		15.15	0.09	19.38		---	---	---	---	---	---		---	---
MW-1	1/14/93	34.46		10.73	0.01	23.74		---	---	---	---	---	---		---	---
MW-1	4/22/93	34.46		11.64	0.16	22.94		---	---	---	---	---	---		---	---
MW-1	7/15/93	34.46		13.50	1.11	21.79		---	---	---	---	---	---		---	---
MW-1	10/21/93	34.46		15.21	1.00	20.00		---	---	---	---	---	---		---	---
MW-1	1/27/94	34.46		17.48	0.81	17.59		---	---	---	---	---	---		---	---
MW-1	4/21/94	34.46		10.94	---	23.52		110000	1400	9100	3400	30000	11000	(c)	1.6	PACE
MW-1	9/9/94	34.46		13.80	---	20.66		---	---	---	---	---	---		---	---
MW-1	12/21/94	34.46		12.60	0.02	21.88		---	---	---	---	---	---		---	---
MW-1	1/30/95	34.46		---	---	---		---	---	---	---	---	---		---	---
MW-1	4/10/95	34.46		10.62	---	23.84		---	---	---	---	---	---		---	---
MW-1	6/29/95	34.46		18.72	---	15.74		---	---	---	---	---	---		---	---
MW-1	9/18/95	34.46		12.92	---	21.54		---	---	---	---	---	---		---	---
MW-1	12/7/95	34.46		13.82	---	20.64		---	---	---	---	---	---		---	---
MW-1	3/28/96	34.46		10.03	0.01	24.44		---	---	---	---	---	---		---	---
MW-1	6/20/96	34.46		11.29	0.02	23.19		---	---	---	---	---	---		---	---
MW-1	10/11/96	34.46		14.86	0.01	19.61		---	---	---	---	---	---		---	---
MW-1	1/2/97	34.46		11.03	0.01	23.44		---	---	---	---	---	---		---	---
MW-1	4/14/97	34.46		12.25	0.01	22.22		---	---	---	---	---	---		---	---
MW-1	4/15/97	34.46		---	---	---		35000	130	650	1700	8200	4800		---	SPL
MW-1	7/2/97	34.46		14.11	---	20.35		42000	ND<250	ND<500	2000	9600	ND<5000		5.5	SPL
MW-1	9/30/97	34.46		14.40	---	20.06		61000	130	1100	2700	14600	2000		6.7	SPL
MW-1	1/21/98	34.46		7.99	0.01	26.48		14000	11	60	310	1790	1300		4.5	SPL
MW-1	4/9/98	34.46		7.89	---	26.57		---	---	---	---	---	---		---	---
MW-1	4/10/98	34.46		---	---	---		45000	380	520	2100	6800	9300		5.3	SPL
MW-1	6/19/98	34.46		10.31	---	24.15		35000	170	100	1100	3590	5000		4.9	SPL
MW-1	11/30/98	34.46		11.16	---	23.30		10000	100	24	350	1040	1800/2800	(g)	---	SPL
MW-1	1/21/99	34.46		10.76	---	23.70		18000	120	37	590	1800	2700		---	SPL
MW-1	4/30/99	34.46		10.78	---	23.68		17000	240	89	1100	1900	1600		---	SPL
MW-1	7/9/99	34.46		12.62	---	21.84		58000	140	100	1800	6900	1200		---	SPL
MW-1	11/3/99	34.46		14.00	---	20.46		20000	62	42	620	2100	630		---	PACE
MW-1	1/12/00	34.46		15.25	---	19.21		72000	110	120	2400	8200	630		---	PACE
MW-1	4/13/00	34.46		15.57	---	18.89		37000	300	32	1000	1700	810		---	PACE
MW-1	5/24/00	34.46		11.75	---	22.71		---	---	---	---	---	---		---	---
MW-1	6/1/00	34.46		11.41	---	23.05		---	---	---	---	---	---		---	---
MW-1	6/8/00	34.46		11.68	---	22.78		---	---	---	---	---	---		---	---

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-1		6/15/00	34.46		11.85	---	22.61		---	---	---	---	---	---	---	---
MW-1		7/26/00	34.46		16.19	---	18.27		10000	480	210	470	710	1100	---	PACE
MW-1		10/24/00	34.46		13.89	---	20.57		9900	31	7.2	550	1200	4400	---	PACE
MW-1		1/19/01	34.46		12.90	---	21.56		57000	199	7.66	1170	3260	514	---	PACE
MW-1		7/24/01	34.46		13.55	---	20.91		27000	96.7	ND<5.0	548	1460	285	---	PACE
MW-1		1/18/02	34.46		10.91	---	23.55		25000	150	31.5	597	1040	138	---	PACE
MW-1		8/1/2002*	34.46		12.97	---	21.49		25000	80.2	17.7	714	1280	489	---	PACE
MW-1	(p)	1/16/03	34.46		10.45	---	24.01		22000	170	110	630	670	ND<500	---	SEQ
MW-1	**(q)**	**7/7/03**	**34.46**		**12.40**	**SHEEN**	**22.06**		**9900**	**42**	**ND<5.0**	**160**	**150**	**24**	**---**	**SEQ**

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WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
MW-2	4/5/91	35.50		16.62	---	18.88		ND<50	0.6	0.9	ND<0.3	ND<0.3	---		---	SUP
MW-2	4/1/92	35.50		11.25	---	24.25		---	---	---	---	---	---		---	---
MW-2	4/2/92	35.50		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	APP
MW-2	7/6/92	35.50		12.72	---	22.78		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
MW-2	10/7/92	35.50		15.08	---	20.42		ND<50	ND<0.5	1.8	ND<0.5	2.3	---		---	ANA
MW-2	1/14/93	35.50		9.69	---	25.81		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
MW-2	4/22/93	35.50		10.46	---	25.04		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30	(e)	---	PACE
MW-2	7/15/93	35.50		12.02	---	23.48		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	21.7	e), (m	---	PACE
MW-2	10/21/93	35.50		13.12	---	22.38		ND<50	0.7	0.9	ND<0.5	0.9	14.9	(m)	---	PACE
MW-2	1/27/94	35.50		12.01	---	23.49		ND<50	0.6	ND<0.5	ND<0.5	ND<0.5	11.5	(m)	---	PACE
MW-2	4/21/94	35.50		10.60	---	24.90		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.4	(m)	1.1	PACE
MW-2	9/9/94	35.50		12.42	---	23.08		ND<50	ND<0.5	ND<0.5	ND<0.5	0.6	---	(m)	2.2	PACE
MW-2	12/21/94	35.50		10.85	---	24.65		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	1.2	PACE
MW-2	1/30/95	35.50		8.38	---	27.12		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		1.7	ATI
MW-2	4/10/95	35.50		9.00	---	26.50		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		7.8	ATI
MW-2	6/29/95	35.50		9.91	---	25.59		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		9.1	ATI
MW-2	9/18/95	35.50		10.98	---	24.52		---	---	---	---	---	---		---	---
MW-2	9/19/95	35.50		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		7.2	ATI
MW-2	12/7/95	35.50		12.30	---	23.20		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		2.4	ATI
MW-2	3/28/96	35.50		8.57	---	26.93		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.2	SPL
MW-2	6/20/96	35.50		9.77	---	25.73		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.2	SPL
MW-2	10/11/96	35.50		13.32	---	22.18		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.3	SPL
MW-2	1/2/97	35.50		9.60	---	25.90		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.7	SPL
MW-2	4/14/97	35.50		10.93	---	24.57		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.7	SPL
MW-2	7/2/97	35.50		12.57	---	22.93		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.9	SPL
MW-2	9/30/97	35.50		12.91	---	22.59		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.3	SPL
MW-2	1/21/98	35.50		10.12	---	25.38		160	ND<0.5	ND<1.0	ND<1.0	ND<1.0	100		5.4	SPL
MW-2	4/9/98	35.50		6.82	---	28.68		---	---	---	---	---	---		---	---
MW-2	4/10/98	35.50		---	---	---		ND<50	1.0	ND<1.0	ND<1.0	ND<1.0	23		5.0	SPL
MW-2	6/19/98	35.50		9.00	---	26.50		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.9	SPL
MW-2	11/30/98	35.50		9.44	---	26.06		---	---	---	---	---	---		---	---
MW-2	1/21/99	35.50		8.96	---	26.54		ND<50	ND<1.0	ND<1.0	ND<.1.0	ND<1.0	1.9		---	SPL
MW-2	4/30/99	35.50		9.15	---	26.35		---	---	---	---	---	---		---	---
MW-2	7/9/99	35.50		10.82	---	24.68		---	---	---	---	---	---		---	---
MW-2	11/3/99	35.50		11.86	---	23.64		---	---	---	---	---	---		---	---
MW-2	1/12/00	35.50		12.35	---	23.15		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		---	PACE
MW-2	4/13/00	35.50		13.01	---	22.49		---	---	---	---	---	---		---	---
MW-2	7/26/00	35.50		13.01	---	22.49		---	---	---	---	---	---		---	---
MW-2	10/24/00	35.50		11.57	---	23.93		---	---	---	---	---	---		---	---

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MW-2	1/19/01	35.50		10.52	---	24.98		---	---	---	---	---	---	---	---
MW-2	7/24/01	35.50		11.13	---	24.37		---	---	---	---	---	---	---	---
MW-2	1/18/02	35.50		8.85	---	26.65		---	---	---	---	---	---	---	---
MW-2	8/1/2002*	35.50		10.47	---	25.03		---	---	---	---	---	---	---	---
MW-2	1/14/03	35.50		8.49	---	27.01		---	---	---	---	---	---	---	---
MW-2	**7/7/03**	**35.50**		**9.63**	**---**	**25.87**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
MW-3	4/5/91	36.53		17.84	---	18.69		ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---		---	SUP
MW-3	4/1/92	36.53		15.64	---	20.89		---	---	---	---	---	---		---	---
MW-3	4/2/92	36.53		---	---	---		ND<50	1.4	ND<0.5	ND<0.5	ND<0.5	---		---	APP
MW-3	7/6/92	36.53		19.03	---	17.50		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
MW-3	10/7/92	36.53		21.83	---	14.70		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
MW-3	1/14/93	36.53		15.96	---	20.57		350	ND<0.5	ND<0.5	ND<0.5	ND<0.5	714	c), (n	---	PACE
MW-3	4/22/93	36.53		16.20	---	20.33		2800	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3600	c), (n	---	PACE
MW-3	7/15/93	36.53		16.82	---	19.71		1400	1.2	ND<0.5	2.0	3.5	2204	c), (n	---	PACE
MW-3	10/21/93	36.53		18.84	---	17.69		370	2.1	2.3	2.3	6.0	847	c), (n	---	PACE
MW-3	1/27/94	36.53		18.00	---	18.53		1300	6.3	ND<0.5	ND<0.5	ND<0.5	3892	c), (n	---	PACE
MW-3	4/21/94	36.53		16.62	---	19.91		2000	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3864	c), (n	1.4	PACE
MW-3	9/9/94	36.53		18.38	---	18.15		1300	ND<0.5	ND<0.5	0.5	1.2	---	(m)	3.0	PACE
MW-3	12/21/94	36.53		15.28	---	21.25		420	16	0.7	3.5	5.9	800	(m)	1.9	PACE
MW-3	1/30/95	36.53		12.62	---	23.91		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		2.5	ATI
MW-3	4/10/95	36.53		12.41	---	24.12		150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		6.9	ATI
MW-3	6/29/95	36.53		14.95	---	21.58		100	d ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		6.4	ATI
MW-3	9/18/95	36.53		15.82	---	20.71		---	---	---	---	---	---		---	---
MW-3	9/19/95	36.53		---	---	---		82	ND<0.50	ND<0.50	ND<0.50	ND<1.0	260		7.0	ATI
MW-3	12/7/95	36.53		17.09	---	19.44		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	91		4.5	ATI
MW-3	3/28/96	36.53		11.90	---	24.63		ND<50	ND<0.5	ND<1	ND<1	ND<1	230		4.2	SPL
MW-3	6/20/96	36.53		12.66	---	23.87		260	ND<0.5	ND<1	ND<1	ND<1	370		4.4	SPL
MW-3	10/11/96	36.53		16.23	---	20.30		330	ND<0.5	ND<1.0	ND<1.0	ND<1.0	440		5.8	SPL
MW-3	1/2/97	36.53		12.17	---	24.36		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	140		6.0	SPL
MW-3	4/14/97	36.53		13.45	---	23.08		---	---	---	---	---	---		---	---
MW-3	4/15/97	36.53		---	---	---		1500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1800		5.6	SPL
MW-3	7/2/97	36.53		15.60	---	20.93		880	ND<0.5	ND<1.0	ND<1.0	ND<1.0	940		5.3	SPL
MW-3	9/30/97	36.53		17.16	---	19.37		40000	13000	2400	870	3100	510		6.6	SPL
MW-3	1/21/98	36.53		11.77	---	24.76		120	ND<0.5	ND<1.0	ND<1.0	ND<1.0	98		4.7	SPL
MW-3	4/9/98	36.53		9.42	---	27.11		950	ND<0.5	ND<1.0	ND<1.0	ND<1.0	890		5.7	SPL
MW-3	6/19/98	36.53		12.09	---	24.44		1800	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1900		4.7	SPL
MW-3	6/19/98	36.53		15.28	---	21.25		1800	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1900		4.7	SPL
MW-3	1/21/99	36.53		14.67	---	21.86		1100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1200		---	SPL
MW-3	4/30/99	36.53		16.00	---	20.53		---	---	---	---	---	---		---	---
MW-3	7/9/99	36.53		14.64	---	21.89		470	ND<1.0	ND<1.0	ND<1.0	ND<1.0	460/470	(g)	---	SPL
MW-3	11/3/99	36.53		16.39	---	20.14		---	---	---	---	---	---		---	---
MW-3	1/12/00	36.53		16.80	---	19.73		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	34		---	PACE
MW-3	4/13/00	36.53		16.43	---	20.10		---	---	---	---	---	---		---	---
MW-3	7/26/00	36.53		16.93	---	19.60		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		---	PACE
MW-3	10/24/00	36.53		15.69	---	20.84		---	---	---	---	---	---		---	---

Table 1
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Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-3		1/19/01	36.53		14.84	---	21.69		ND<50	ND<0.5	ND<0.5	ND<0.5	0.996	25.9	---	PACE
MW-3		7/23/01	36.53		15.11	---	21.42		62	ND<0.5	ND<0.5	ND<0.5	ND<1.5	28.7	---	PACE
MW-3		1/18/02	36.53		12.37	---	24.16		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	17.8	---	PACE
MW-3		8/1/2002*	36.53		14.44	---	22.09		66	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	---	PACE
MW-3	(p)	1/16/03	36.53		12.07	---	24.46		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	---	SEQ
MW-3	**(q)**	**7/7/03**	**36.53**		**13.90**	**---**	**22.63**		**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**8.8**	**---**	**SEQ**

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-1		4/5/91	38.11		25.44	—	12.67		4100	1500	69	100	83	---		---	SUP
AW-1		4/1/92	38.11		23.22	---	14.89		---	---	---	---	---	---		---	---
AW-1		4/2/92	38.11		---	---	---		11000	1800	210	210	490	---		---	APP
AW-1		7/6/92	38.11		24.89	—	13.22		6500	4000	40	290	530	---		---	ANA
AW-1		10/7/92	38.11		26.55	---	11.56		4700	1500	41	47	300	---		---	ANA
QC-1	(e)	10/7/92	---		---	---	---		2900	1200	25	37	210	---		---	ANA
AW-1		1/14/93	38.11		23.73	—	14.38		2800	830	31	140	240	---	(m)	---	PACE
QC-1	(e)	1/14/93	---		---	---	---		4100	1700	28	130	230	---	(m)	---	PACE
AW-1		4/22/93	38.11			---	38.11		39000	14000	530	1800	6100	987	c), (n	---	PACE
AW-1		7/15/93	38.11		22.50	—	15.61		6200	2200	28	210	540	838	c), (n	---	PACE
AW-1		10/21/93	38.11		24.32	---	13.79		2400	820	13	55	120	832	c), (n	---	PACE
AW-1		1/27/94	38.11		23.72	---	14.39		3500	1400	26	130	220	650	c), (n	---	PACE
AW-1		4/21/94	38.11		22.48	—	15.63		40000	12000	1900	1600	5000	1119	(m)	1.4	PACE
AW-1		9/9/94	38.11		23.04	---	15.07		3500	1600	5.0	200	250	---	(m)	2.1	PACE
QC-1	(e)	9/9/94	---		---	---	---		3900	1900	5.5	190	240	---		---	PACE
AW-1		12/21/94	38.11		21.70	—	16.41		7600	3100	36	370	320	855	(m)	1.6	PACE
AW-1		1/30/95	38.11		17.71	---	20.40		35000	23000	650	3200	4100	---		1.7	ATI
AW-1		4/10/95	38.11		20.04	---	18.07		60000	18000	2000	4300	11000	---		7.9	ATI
QC-1	(e)	4/10/95	---		---	---	---		56000	17000	2000	3900	10000	---		---	ATI
AW-1		6/29/95	38.11		20.60	---	17.51		72000	10000	7300	4200	15000	---		6.2	ATI
QC-1	(e)	6/29/95	---		---	---	---		86000	12000	8400	4800	18000	---		---	ATI
AW-1		9/18/95	38.11		21.87	---	16.24		---	---	---	---	---	---		---	---
AW-1		9/19/95	38.11		---	---	---		65000	12000	3100	4400	14000	1000		8.5	ATI
AW-1		12/7/95	38.11		22.06	---	16.05		25000	8700	ND<50	2500	1300	1100		2.9	ATI
AW-1		3/28/96	38.11		16.91	---	21.20		24000	11000	ND<100	3200	3390	ND<1000		6.6	SPL
AW-1		6/20/96	38.11		20.82	---	17.29		38000	6900	1100	3200	7300	ND<100		6.4	SPL
AW-1		10/11/96	38.11		23.20	—	14.91		33000	8500	69	3300	4230	580		6.3	SPL
AW-1		1/2/97	38.11		20.41	—	17.70		32000	8000	ND<50	3100	2300	700		6.7	SPL
AW-1		4/14/97	38.11		21.61	—	16.50		---	---	---	---	---	---		—	—
AW-1		4/15/97	38.11		---	—	---		31000	5000	160	2400	4540	340		5.4	SPL
AW-1		7/2/97	38.11		21.17	---	16.94		26000	5800	ND<100	2600	2200	ND<1000		6.2	SPL
AW-1		9/30/97	38.11		21.48	---	16.63		29000	9200	17	1400	130	560		6.9	SPL
AW-1		1/21/98	38.11		20.02	—	18.09		50000	6900	450	3200	4450	720		5.8	SPL
AW-1		4/9/98	38.11		13.37	—	24.74		---	---	---	---	---	---		---	---
AW-1		4/10/98	38.11		---	---	---		46000	5800	1900	3000	7400	1000		4.3	SPL
AW-1		6/19/98	38.11		19.12	---	18.99		42000	6600	200	3000	3350	660		4.9	SPL
QC-1	(e)	6/19/98	---		---	---	---		43000	6800	260	3100	3490	620		---	SPL
AW-1		11/30/98	38.11		21.13	---	16.98		23000	6700	ND<25	3100	130	710/820	(g)	—	SPL
AW-1		1/21/99	38.11		20.77	—	17.34		25000	4800	54	2800	780	1000		—	SPL

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-1		4/30/99	38.11		20.80	---	17.31		21000	5300	67	2800	750	1500	---	SPL
AW-1		7/9/99	38.11		20.41	---	17.70		11000	3000	ND<10	760	180	1300	---	SPL
AW-1		11/3/99	38.11		20.82	---	17.29		---	---	---	---	---	---	---	---
AW-1		1/12/00	38.11		19.99	---	18.12		330000	5300	10	2900	560	2200	---	PACE
AW-1		4/13/00	38.11		20.14	---	17.97		---	---	---	---	---	---	---	---
AW-1		5/24/00	38.11		20.17	---	17.94		---	---	---	---	---	---	---	---
AW-1		6/1/00	38.11		23.05	---	15.06		---	---	---	---	---	---	---	---
AW-1		6/8/00	38.11		17.08	---	21.03		---	---	---	---	---	---	---	---
AW-1		6/15/00	38.11		16.93	---	21.18		---	---	---	---	---	---	---	---
AW-1		7/26/00	38.11		20.07	---	18.04		15000	290	98	77	220	37000	---	PACE
AW-1		10/24/00	38.11		20.10	---	18.01		---	---	---	---	---	---	---	---
AW-1		1/19/01	38.11		19.82	---	18.29		7600	2220	10.9	415	58.4	1630	---	PACE
AW-1		7/24/01	38.11		19.86	---	18.25		9600	2140	6.34	281	43	1440	---	PACE
AW-1		1/18/02	38.11		15.60	---	22.51		20000	2170	75.2	1800	2080	1250	---	PACE
AW-1		8/1/2002*	38.11		19.55	---	18.56		14000	2150	ND<12.5	197	42.4	1120	---	PACE
AW-1	(p)	1/16/03	38.11		16.32	---	21.79		15000	2300	75	1600	1800	1100	---	SEQ
AW-1	**(q)**	**7/7/03**	**38.11**		**19.80**	**SHEEN**	**18.31**		**9700**	**1600**	**ND<25**	**540**	**110**	**1100**	**---**	**SEQ**

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Former BP Service Station #11133
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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-2		4/5/91	36.83		22.36	---	14.47		ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---		---	SUP
AW-2		4/1/92	36.83		20.81	---	16.02		---	---	---	---	---	---		---	---
AW-2		4/2/92	36.83		---	---	---		130	25	2.3	0.7	2.1	---		---	APP
AW-2		7/6/92	36.83		23.57	---	13.26		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-2		10/7/92	36.83		25.24	---	11.59		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-2		1/14/93	36.83		20.82	---	16.01		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-2		4/22/93	36.83		19.37	---	17.46		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-2		7/15/93	36.83		21.29	---	15.54		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	---	PACE
AW-2		10/21/93	36.83		23.14	---	13.69		ND<50	1.3	1.1	0.9	2.1	ND<5.0	(m)	---	PACE
AW-2		1/27/94	36.83		22.34	---	14.49		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-2		4/21/94	36.83		21.15	---	15.68		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	2.0	PACE
AW-2		9/9/94	36.83		22.09	---	14.74		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	4.1	PACE
AW-2		12/21/94	36.83		20.12	---	16.71		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	2.0	PACE
AW-2		1/30/95	36.83		16.65	---	20.18		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		2.5	ATI
AW-2		4/10/95	36.83		16.22	---	20.61		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		4.4	ATI
AW-2		6/29/95	36.83		17.55	---	19.28		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		7.8	ATI
AW-2		9/18/95	36.83		19.87	---	16.96		---	---	---	---	---	---		---	---
AW-2		9/19/95	36.83		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		4.5	ATI
QC-1	(c)	9/19/95	---		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
AW-2		12/7/95	36.83		21.31	---	15.52		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		4.9	ATI
AW-2		3/28/96	36.83		15.61	---	21.22		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.1	SPL
AW-2		6/20/96	36.83		16.30	---	20.53		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		5.2	SPL
AW-2		10/11/96	36.83		19.60	---	17.23		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.0	SPL
AW-2		1/2/97	36.83		15.97	---	20.86		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.1	SPL
AW-2		4/14/97	36.83		17.19	---	19.64		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.3	SPL
AW-2		7/2/97	36.83		18.11	---	18.72		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.7	SPL
AW-2		9/30/97	36.83		18.52	---	18.31		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	860		5.4	SPL
AW-2		1/21/98	36.83		14.46	---	22.37		160	13	ND<1.0	ND<1.0	ND<1.0	110		4.9	SPL
AW-2		4/9/98	36.83		12.85	---	23.98		---	---	---	---	---	---		---	---
AW-2		4/10/98	36.83		---	---	---		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		3.9	SPL
AW-2		6/19/98	36.83		14.37	---	22.46		60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		3.6	SPL
AW-2		11/30/98	36.83		16.90	---	19.93		---	---	---	---	---	---		---	---
AW-2		1/21/99	36.83		16.87	---	19.96		ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0		---	SPL
AW-2		4/30/99	36.83		17.01	---	19.82		---	---	---	---	---	---		---	---
AW-2		7/9/99	36.83		17.83	---	19.00		---	---	---	---	---	---		---	---
AW-2		11/3/99	36.83		19.74	---	17.09		---	---	---	---	---	---		---	---
AW-2		1/12/00	36.83		19.90	---	16.93		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		---	PACE
AW-2		4/13/00	36.83		19.75	---	17.08		---	---	---	---	---	---		---	---
AW-2		7/26/00	36.83		19.86	---	16.97		---	---	---	---	---	---		---	---

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-2		10/24/00	36.83		18.77	---	18.06		---	---	---	---	---	---	---	---
AW-2	(f)	1/19/01	36.83		---	---	---		---	---	---	---	---	---	---	---
AW-2	(f)	7/24/01	36.83		---	---	---		---	---	---	---	---	---	---	---
AW-2		1/18/02	36.83		15.17	---	21.66		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	---	PACE
AW-2		8/1/2002*	36.83		17.17	---	19.66		---	---	---	---	---	---	---	---
AW-2	(p)	1/16/03	36.83		14.81	---	22.02		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	---	SEQ
AW-2		**7/7/03**	**36.83**		**16.65**	**---**	**20.18**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-3		4/5/91	39.13		23.90	---	15.23		5200	980	450	95	310	---		---	SUP
AW-3		4/1/92	39.13		22.50	---	16.63		4700	890	47	43	110	---		---	APP
AW-3		7/6/92	39.13		23.26	---	15.87		3900	3100	30	80	99	---		---	ANA
AW-3		10/7/92	39.13		24.75	---	14.38		5000	2600	ND<0.5	ND<0.5	59	---		---	ANA
AW-3		1/14/93	39.13		23.59	---	15.54		350	250	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-3		4/22/93	39.13		19.42	---	19.71		240	71	2.4	0.6	4.0	---	(m)	---	PACE
AW-3		7/15/93	39.13		20.09	---	19.04		650	71	2.8	1.5	1.1	37.3	c), (m	---	PACE
AW-3		10/21/93	39.13		21.88	---	17.25		160	4.8	1.7	1.6	3.6	8.95	(m)	---	PACE
QC-1	(e)	10/21/93	---		---	---	---		170	6.1	2.0	1.7	4.4	---		---	PACE
AW-3		1/27/94	39.13		22.33	---	16.80		92	2.1	ND<0.5	ND<0.5	ND<0.5	7.37	(m)	---	PACE
QC-1	(e)	1/27/94	---		---	---	---		90	2.9	0.5	ND<0.5	ND<0.5	---		---	PACE
AW-3		4/21/94	39.13		20.96	---	18.17		150	3.6	0.8	0.9	2.5	9.36	(m)	1.3	PACE
AW-3		9/9/94	39.13		21.60	---	17.53		53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	1.9	PACE
AW-3	(f)	12/21/94	39.13		---	---	---		---	---	---	---	---	---		---	---
AW-3	(f)	1/30/95	39.13		---	---	---		---	---	---	---	---	---		---	---
AW-3	(f)	4/10/95	39.13		---	---	---		---	---	---	---	---	---		---	---
AW-3		6/29/95	39.13		15.41	---	23.72		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		8.0	ATI
AW-3		9/18/95	39.13		17.83	---	21.30		---	---	---	---	---	---		---	---
AW-3		9/19/95	39.13		---	---	---		61000	11000	2900	4100	13000	790		7.4	ATI
AW-3		12/7/95	39.13		19.27	---	19.86		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		3.4	ATI
QC-1	(e)	12/7/95	---		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
AW-3		3/28/96	39.13		13.85	---	25.28		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.1	SPL
QC-1	(e)	3/28/96	---		---	---	---		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL
AW-3		6/20/96	39.13		14.47	---	24.66		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.2	SPL
QC-1	(e)	6/20/96	---		---	---	---		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL
AW-3		10/11/96	39.13		17.97	---	21.16		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.7	SPL
QC-1	(e)	10/11/96	---		---	---	---		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	SPL
AW-3		1/2/97	39.13		13.00	---	26.13		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.6	SPL
AW-3		4/14/97	39.13		14.36	---	24.77		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.0	SPL
QC-1	(e)	4/15/97	---		---	---	---		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	SPL
AW-3		7/2/97	39.13		15.87	---	23.26		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.4	SPL
AW-3		9/30/97	39.13		17.50	---	21.63		ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	810		5.7	SPL
AW-3		1/21/98	39.13		11.98	---	27.15		140	ND<0.5	ND<1.0	ND<1.0	ND<1.0	99		4.6	SPL
QC-1	(e)	1/21/98	---		---	---	---		150	ND<0.5	ND<1.0	ND<1.0	1.2	110		---	SPL
AW-3		4/9/98	39.13		9.45	---	29.68		---	---	---	---	---	---		---	---
AW-3		4/10/98	39.13		---	---	---		ND<50	ND<0.5	ND<1.0	ND<1.0	1.6	ND<10		4.5	SPL
QC-1	(e)	4/10/98	---		---	---	---		ND<50	ND<0.5	ND<1.0	1.4	1.7	ND<10		---	SPL
AW-3		6/19/98	39.13		12.13	---	27.00		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.4	SPL
AW-3		11/30/98	39.13		15.91	---	23.22		---	---	---	---	---	---		---	---

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Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-3	1/21/99	39.13	15.93	---	23.20	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	SPL
AW-3	4/30/99	39.13	15.98	---	23.15	---	---	---	---	---	---	---	---
AW-3	7/9/99	39.13	14.58	---	24.55	---	---	---	---	---	---	---	---
AW-3	11/3/99	39.13	17.43	---	21.70	---	---	---	---	---	---	---	---
AW-3	1/12/00	39.13	18.30	---	20.83	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
AW-3	4/13/00	39.13	18.89	---	20.24	---	---	---	---	---	---	---	---
AW-3	7/26/00	39.13	18.67	---	20.46	---	---	---	---	---	---	---	---
AW-3	10/24/00	39.13	18.98	---	20.15	---	---	---	---	---	---	---	---
AW-3	1/19/01	39.13	16.74	---	22.39	---	---	---	---	---	---	---	---
AW-3	7/24/01	39.13	18.55	---	20.58	---	---	---	---	---	---	---	---
AW-3	1/18/02	39.13	14.49	---	24.64	---	---	---	---	---	---	---	---
AW-3	8/1/2002*	39.13	14.27	---	24.86	---	---	---	---	---	---	---	---
AW-3	1/16/03	39.13	14.25	---	24.88	---	---	---	---	---	---	---	---
AW-3	**7/7/03**	**39.13**	**14.70**	**---**	**24.43**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-4		4/5/91	39.08		25.12	---	13.96		110000	40000	13000	2000	5500	---		---	SUP
AW-4		4/1/92	39.08		23.56	---	15.52		230000	57000	31000	2900	7600	---		---	APP
QC-1	(e)	4/1/92	---		---	---	---		210000	55000	23000	2900	7000	---		---	APP
AW-4		7/6/92	39.08		25.87	---	13.21		38000	16000	5400	2000	6100	---		---	ANA
AW-4		10/7/92	39.08		27.53	---	11.55		120000	41000	26000	4700	13000	---		---	ANA
AW-4		1/14/93	39.08		24.12	---	14.96		62000	18000	14000	2700	7700	1400	c), (m	---	PACE
AW-4		4/22/93	39.08		21.47	---	17.61		18000	1100	2100	320	3500	---	(m)	---	PACE
AW-4		7/15/93	39.08		23.30	---	15.78		21000	820	2300	590	3800	1978	c), (m	---	PACE
AW-4		10/21/93	39.08		25.08	---	14.00		11000	570	83	630	2300	4600	c), (m	---	PACE
AW-4		1/27/94	39.08		24.61	---	14.47		12000	420	460	600	2200	6400	c), (m	---	PACE
AW-4		4/21/94	39.08		22.96	---	16.12		12000	110	250	150	1900	16010	c), (m	1.5	PACE
QC-1	(e)	4/21/94	---		---	---	---		14000	71	160	29	1200	13000	(c)	---	PACE
AW-4		9/9/94	39.08		23.85	---	15.23		9700	75	64	280	2000	---	(m)	2.1	PACE
AW-4	(f)	12/21/94	39.08		---	---	---		---	---	---	---	---	---		---	---
AW-4	(f)	1/30/95	39.08		---	---	---		---	---	---	---	---	---		---	---
AW-4		4/10/95	39.08		18.07	---	21.01		3700	69	8.7	44	130	---		8.5	ATI
AW-4		6/29/95	39.08		19.25	---	19.83		8000	62	190	190	1100	---		7.5	ATI
AW-4		9/18/95	39.08		20.73	---	18.35		---	---	---	---	---	---		---	---
AW-4		9/19/95	39.08		---	---	---		12000	660	1600	200	1900	7100		8.3	ATI
AW-4		12/7/95	39.08		22.49	---	16.59		41000	8400	7200	710	6300	5200		3.6	ATI
AW-4	(f)	3/28/96	39.08		16.49	---	22.59		---	---	---	---	---	---		---	---
AW-4		6/20/96	39.08		16.00	---	23.08		ND<50	ND<0.5	ND<1	ND<1	ND<1	12		---	SPL
AW-4		10/11/96	39.08		19.52	---	19.56		36000	12000	5500	ND<25	3800	880/1000	(g)	6.2	SPL
AW-4		1/2/97	39.08		15.80	---	23.28		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	22		6.4	SPL
QC-1	(e)	1/2/97	---		---	---	---		ND<50	61	3.8	3.5	8.1	110		---	SPL
AW-4		4/14/97	39.08		17.01	---	22.07		---	---	---	---	---	---		---	---
AW-4		4/15/97	39.08		---	---	---		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.4	SPL
AW-4		7/2/97	39.08		19.68	---	19.40		ND<50	21	ND<1.0	ND<1.0	ND<1.0	41		4.1	SPL
AW-4	(f)	9/30/97	39.08		22.71	---	16.37		---	---	---	---	---	---		---	---
AW-4		1/21/98	39.08		15.89	---	23.19		13000	2900	ND<10	230	314	3100		3.9	SPL
AW-4		4/9/98	39.08		13.50	---	25.58		---	---	---	---	---	---		---	---
AW-4		4/10/98	39.08		---	---	---		890	ND<0.5	ND<1	ND<1	ND<1	730		4.9	SPL
AW-4		6/19/98	39.08		14.75	---	24.33		60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	34		4.3	SPL
AW-4		11/30/98	39.08		19.25	---	19.83		---	---	---	---	---	---		---	---
AW-4		1/21/99	39.08		18.94	---	20.14		3700	830	93	200	360	30		---	---
AW-4		4/30/99	39.08		19.10	---	19.98		---	---	---	---	---	---		---	---
AW-4		7/9/99	39.08		18.93	---	20.15		76000	12000	6600	2000	8700	320		---	SPL
AW-4		11/3/99	39.08		20.65	---	18.43		---	---	---	---	---	---		---	---
AW-4		1/12/00	39.08		21.21	---	17.87		67000	12000	3500	2900	15000	280		---	PACE

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AW-4		4/13/00	39.08		21.33	---	17.75		---	---	---	---	---	---	---	---
AW-4		5/24/00	39.08		19.84	---	19.24		---	---	---	---	---	---	---	---
AW-4		6/1/00	39.08		19.04	---	20.04		---	---	---	---	---	---	---	---
AW-4		6/8/00	39.08		18.32	---	20.76		---	---	---	---	---	---	---	---
AW-4		6/15/00	39.08		16.70	---	22.38		---	---	---	---	---	---	---	---
AW-4		7/26/00	39.08		21.50	---	17.58		910	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3500	---	PACE
AW-4		10/24/00	39.08		22.00	---	17.08		---	---	---	---	---	---	---	---
AW-4		1/19/01	39.08		18.97	---	20.11		6600	2460	24	497	534	267	---	PACE
AW-4		7/24/01	39.08		18.55	---	20.53		5100	1080	143	409	827	115	---	PACE
AW-4		1/18/02	39.08		17.22	---	21.86		3900	442	241	157	681	85.3	---	PACE
AW-4	(f)	8/1/2002*	39.08		---	---	---		---	---	---	---	---	---	---	---
AW-4	(p)	1/16/03	39.08		16.85	---	22.23		2900	260	160	120	590	ND<120	---	SEQ
AW-4	**(q)**	**7/7/03**	**39.08**		**17.94**	**---**	**21.14**		**600**	**90**	**7.9**	**18**	**36**	**56**	**---**	**SEQ**

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)		B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-5		4/5/91	38.51		25.48	---	13.03		420		31	7.5	20	68	---		---	SUP
AW-5		4/1/92	38.51		23.95	---	14.56		---		---	---	---	---	---		---	---
AW-5		4/2/92	38.51		---	---	---		4000		270	63	190	290	---		---	APP
AW-5		7/6/92	38.51		26.48	---	12.03		1400		160	ND<2.5	250	58	---		---	ANA
AW-5		10/7/92	38.51		28.18	---	10.33		360		12	0.6	8.7	5	---		---	ANA
AW-5		1/14/93	38.51		24.15	---	14.36		1700		270	7.5	130	62	---	(m)	---	PACE
AW-5		4/22/93	38.51		22.43	---	16.08		2700		780	30	220	180	---	(m)	---	PACE
QC-1	(e)	4/22/93	---		---	---	---		3500		780	29	240	210	---	(m)	---	PACE
AW-5		7/15/93	38.51		24.31	---	14.20		1300		69	16	67	120	ND<50	(m)	---	PACE
QC-1	(e)	7/15/93	---		---	---	---		1300		68	8.3	64	99	ND<50	(m)	---	PACE
AW-5		10/21/93	38.51		26.05	---	12.46		510		9.6	1.5	17	45	75	c), (m	---	PACE
AW-5		1/27/94	38.51		26.42	---	12.09		420		3.3	ND<0.5	1.0	0.9	48.9	(m)	---	PACE
AW-5		4/21/94	38.51		24.36	---	14.15		1000		110	25	56	27	75	c), (m	1.3	PACE
AW-5		9/9/94	38.51		24.55	---	13.96		210		ND<0.5	ND<0.5	0.5	0.9	---	(m)	2.7	PACE
AW-5		12/21/94	38.51		22.30	---	16.21		410		ND<0.5	20	4.3	1.4	114	(m)	1.1	PACE
QC-1	(e)	12/21/94	---		---	---	---		340		ND<0.5	15	3.3	1.4	104	(m)	---	PACE
AW-5		1/30/95	38.51		18.88	---	19.63		210		0.6	11	8.8	2	---		1.5	ATI
AW-5		4/10/95	38.51		18.44	---	20.07		500		1.4	0.59	6.5	4.3	---		8.3	ATI
AW-5		6/29/95	38.51		19.92	---	18.59		490	d	1.2	0.58	7.3	2.2	---		6.9	ATI
AW-5		9/18/95	38.51		22.15	---	16.36		---		---	---	---	---	---		---	---
AW-5		9/19/95	38.51		---	---	---		260		0.62	ND<0.50	3.1	1.1	110		8.2	ATI
AW-5		12/7/95	38.51		23.75	---	14.76		60		ND<0.50	ND<0.50	ND<0.50	ND<1.0	210		4.3	ATI
AW-5		3/28/96	38.51		17.76	---	20.75		ND<50		ND<0.5	ND<1	ND<1	ND<1	63		3.0	SPL
AW-5		6/20/96	38.51		18.46	---	20.05		ND<50		ND<0.5	ND<1	ND<1	ND<1	ND<10		3.6	SPL
AW-5		10/11/96	38.51		21.84	---	16.67		ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.5	SPL
AW-5		1/2/97	38.51		18.01	---	20.50		ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.6	SPL
AW-5		4/14/97	38.51		19.35	---	19.16		ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.1	SPL
AW-5		7/2/97	38.51		20.29	---	18.22		ND<50		ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.0	SPL
AW-5		9/30/97	38.51		23.15	---	15.36		ND<250		ND<2.5	ND<5.0	ND<5.0	ND<5.0	1300		6.3	SPL
AW-5		1/21/98	38.51		17.33	---	21.18		6100		ND<0.5	2.1	ND<1.0	ND<1.0	3700		4.5	SPL
AW-5		4/9/98	38.51		15.25	---	23.26		---		---	---	---	---	---		---	---
AW-5		4/10/98	38.51		---	---	---		3500		ND<0.5	ND<1.0	ND<1.0	ND<1.0	3000		5.4	SPL
AW-5		6/19/98	38.51		17.39	---	21.12		3300		ND<0.5	ND<1.0	ND<1.0	ND<1.0	2500		5.2	SPL
AW-5	(f)	11/30/98	38.51		---	---	---		---		---	---	---	---	---		---	---
AW-5		1/21/99	38.51		21.22	---	17.29		2800		ND<1.0	ND<1.0	ND<1.0	ND<1.0	1800		---	SPL
AW-5		4/30/99	38.51		21.50	---	17.01		---		---	---	---	---	---		---	---
AW-5		7/9/99	38.51		20.15	---	18.36		4000		ND<1.0	ND<1.0	ND<1.0	ND<1.0	3400/3500	(g)	---	SPL
AW-5		11/3/99	38.51		22.04	---	16.47		---		---	---	---	---	---		---	---
AW-5		1/12/00	38.51		22.59	---	15.92		1000	j	7.3	30	6.7	40	4600		---	PACE

Table 1
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2220 98th Avenue, Oakland, CA

WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-5		4/13/00	38.51		23.11	---	15.40		---	---	---	---	---	---	---	---
AW-5		7/26/00	38.51		22.72	---	15.79		1800	94	35	5.9	27	16000	---	PACE
AW-5		10/24/00	38.51		20.15	---	18.36		---	---	---	---	---	---	---	---
AW-5		1/19/01	38.51		19.79	---	18.72		2600	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4580	---	PACE
AW-5		7/24/01	38.51		20.17	---	18.34		5400	18.4	17.2	ND<12.5	40.8	5170	---	PACE
AW-5		1/18/02	38.51		17.34	---	21.17		3800	343	0.738	ND<0.5	ND<1.0	3750	---	PACE
AW-5		8/1/2002*	38.51		19.49	---	19.02		5300	ND<12.5	ND<12.5	ND<12.5	ND<25	3470	---	PACE
AW-5	(p)	1/16/03	38.51		17.30	---	21.21		1400	140	ND<10	ND<10	ND<10	1600	---	SEQ
AW-5	**(q)**	**7/7/03**	**38.51**		**18.43**	**---**	**20.08**		**1400**	**ND<10**	**ND<10**	**ND<10**	**ND<10**	**980**	**---**	**SEQ**

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-6		4/5/91	37.08		22.48	---	14.60		1100	80	19	1.4	230	---		---	SUP
AW-6		4/1/92	37.08		22.50	---	14.58		---	---	---	---	---	---		---	---
AW-6		4/2/92	37.08		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	APP
AW-6		7/6/92	37.08		22.74	---	14.34		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-6		10/7/92	37.08		24.64	---	12.44		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-6		1/14/93	37.08		22.36	---	14.72		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-6		4/22/93	37.08		22.82	---	14.26		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-6		7/15/93	37.08		20.49	---	16.59		ND<50	ND<0.5	ND<0.5	ND<0.5	0.8	ND<5.0	(m)	---	PACE
AW-6		10/21/93	37.08		22.84	---	14.24		ND<50	0.5	0.6	ND<0.5	0.7	ND<5.0	(m)	---	PACE
AW-6		1/27/94	37.08		22.33	---	14.75		ND<50	ND<0.5	0.9	3.1	12	ND<5.0	(m)	---	PACE
AW-6		4/21/94	37.08		20.66	---	16.42		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	1.7	PACE
AW-6		9/9/94	37.08		21.57	---	15.51		ND<50	0.9	ND<0.5	ND<0.5	0.5	---	(m)	2.9	PACE
AW-6		12/21/94	37.08		19.40	---	17.68		ND<50	1.8	0.8	0.8	3.2	5.19	(m)	1.1	PACE
AW-6		1/30/95	37.08		16.74	---	20.34		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		2.2	ATI
QC-1	(e)	1/30/95	---		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
AW-6		4/10/95	37.08		16.01	---	21.07		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		8.6	ATI
AW-6		6/29/95	37.08		17.54	---	19.54		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		6.3	ATI
AW-6		9/18/95	37.08		19.65	---	17.43		---	---	---	---	---	---		---	---
AW-6		9/19/95	37.08		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	25		8.3	ATI
AW-6		12/7/95	37.08		20.35	---	16.73		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	16		4.7	ATI
AW-6		3/28/96	37.08		14.99	---	22.09		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.0	SPL
AW-6		6/20/96	37.08		15.59	---	21.49		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.6	SPL
AW-6		10/11/96	37.08		19.09	---	17.99		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.3	SPL
AW-6		1/2/97	37.08		15.11	---	21.97		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.5	SPL
AW-6		4/14/97	37.08		16.25	---	20.83		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		3.9	SPL
AW-6		7/2/97	37.08		17.99	---	19.09		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.2	SPL
AW-6		9/30/97	37.08		20.50	---	16.58		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.0	SPL
AW-6		1/21/98	37.08		15.72	---	21.36		160	ND<0.5	ND<1.0	ND<1.0	ND<1.0	110		5.0	SPL
AW-6		4/9/98	37.08		13.31	---	23.77		---	---	---	---	---	---		---	---
AW-6		4/10/98	37.08		---	---	---		370	ND<0.5	ND<1.0	ND<1.0	ND<1.0	300		4.3	SPL
AW-6		6/19/98	37.08		15.18	---	21.90		830	2.0	ND<1.0	ND<1.0	ND<1.0	690		4.0	SPL
AW-6	(f)	11/30/98	37.08		---	---	---		---	---	---	---	---	---		---	---
AW-6		1/21/99	37.08		15.78	---	21.30		2300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1900		---	SPL
AW-6		4/30/99	37.08		16.01	---	21.07		---	---	---	---	---	---		---	---
AW-6		7/9/99	37.08		17.63	---	19.45		---	---	---	---	---	---		---	---
AW-6		11/3/99	37.08		18.42	---	18.66		---	---	---	---	---	---		---	---
AW-6		1/12/00	37.08		19.92	---	17.16		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2700		---	PACE
AW-6		4/13/00	37.08		19.87	---	17.21		---	---	---	---	---	---		---	---
AW-6		7/26/00	37.08		19.99	---	17.09		---	---	---	---	---	---		---	---

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WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet) (a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet) (b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-6	10/24/00	37.08	18.12	---	18.96	---	---	---	---	---	---	---	---
AW-6	1/19/01	37.08	17.04	---	20.04	2700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4850	---	PACE
AW-6	7/24/01	37.08	17.83	---	19.25	---	---	---	---	---	---	---	---
AW-6	1/18/02	37.08	15.54	---	21.54	5500	614	ND<0.5	ND<0.5	ND<1.0	5390	---	PACE
AW-6	8/1/2002*	37.08	16.98	---	20.10	---	---	---	---	---	---	---	---
AW-6 (p)	1/16/03	37.08	15.05	---	22.03	2900	ND<20	ND<20	ND<20	63	2500	---	SEQ
AW-6	**7/7/03**	**37.08**	**16.58**	**---**	**20.50**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-7		4/5/91	37.60		23.38	---	14.22		ND<50	0.4	0.7	ND<0.3	ND<0.3	---		---	SUP
AW-7		4/1/92	37.60		21.92	---	15.68		---	---	---	---	---	---		---	---
AW-7		4/2/92	37.60		---	---	---		ND<50	ND<0.5	3.2	1.0	5.4	---		---	APP
AW-7		7/6/92	37.60		24.50	---	13.10		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-7		10/7/92	37.60		26.18	---	11.42		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-7		1/14/93	37.60		22.03	---	15.57		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-7		4/22/93	37.60		21.18	---	16.42		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-7		7/15/93	37.60		22.09	---	15.51		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	---	PACE
AW-7		10/21/93	37.60		24.05	---	13.55		51	5.0	4.2	3.5	8.2	ND<5.0	(m)	---	PACE
AW-7		1/27/94	37.60		23.40	---	14.20		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	---	PACE
AW-7		4/21/94	37.60		22.24	---	15.36		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	2.5	PACE
AW-7		9/9/94	37.60		22.94	---	14.66		ND<50	ND<0.5	ND<0.5	ND<0.5	0.5	---	(m)	4.3	PACE
AW-7		12/21/94	37.60		20.86	---	16.74		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	2.2	PACE
AW-7		1/30/95	37.60		17.51	---	20.09		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		2.7	ATI
AW-7		4/10/95	37.60		16.69	---	20.91		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		4.8	ATI
AW-7		6/29/95	37.60		18.33	---	19.27		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		7.6	ATI
AW-7		9/18/95	37.60		20.68	---	16.92		---	---	---	---	---	---		---	---
AW-7		9/19/95	37.60		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		5.1	ATI
AW-7		12/7/95	37.60		22.15	---	15.45		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		5.2	ATI
AW-7		3/28/96	37.60		16.38	---	21.22		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.9	SPL
AW-7		6/20/96	37.60		17.02	---	20.58		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		5.0	SPL
AW-7		10/11/96	37.60		20.47	---	17.13		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.3	SPL
AW-7		1/2/97	37.60		16.70	---	20.90		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.2	SPL
AW-7		4/14/97	37.60		17.96	---	19.64		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.0	SPL
AW-7		7/2/97	37.60		19.11	---	18.49		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.4	SPL
AW-7		9/30/97	37.60		22.97	---	14.63		ND<250	ND<2.5	ND<5.0	ND<5.0	ND<5.0	1100		6.5	SPL
AW-7		1/21/98	37.60		16.50	---	21.10		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.9	SPL
AW-7		4/9/98	37.60		13.56	---	24.04		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.9	SPL
AW-7		6/19/98	37.60		15.41	---	22.19		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.4	SPL
AW-7		11/30/98	37.60		18.90	---	18.70		---	---	---	---	---	---		---	---
AW-7		1/21/99	37.60		18.39	---	19.21		---	---	---	---	---	---		---	---
AW-7		4/30/99	37.60		18.54	---	19.06		---	---	---	---	---	---		---	---
AW-7		7/9/99	37.60		17.98	---	19.62		---	---	---	---	---	---		---	---
AW-7		11/3/99	37.60		20.22	---	17.38		---	---	---	---	---	---		---	---
AW-7		1/12/00	37.60		19.46	---	18.14		---	---	---	---	---	---		---	---
AW-7		4/13/00	37.60		19.59	---	18.01		---	---	---	---	---	---		---	---
AW-7		7/26/00	37.60		19.69	---	17.91		---	---	---	---	---	---		---	---
AW-7		10/24/00	37.60		18.78	---	18.82		---	---	---	---	---	---		---	---
AW-7	(f)	1/19/01	37.60		---	---	---		---	---	---	---	---	---		---	---

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WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-7	(f)	7/25/01	37.60		---	---	---		---	---	---	---	---	---	---	---
AW-7	(o)	1/18/02	37.60		---	---	---		---	---	---	---	---	---	---	---
AW-7	(o)	8/1/2002*	37.60		---	---	---		---	---	---	---	---	---	---	---
AW-7	(o)	1/16/03	37.60		---	---	---		---	---	---	---	---	---	---	---
AW-7	**(o)**	**7/7/03**	**37.60**		---	---	---		---	---	---	---	---	---	---	---

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AW-8	4/5/91	40.86		26.68	---	14.18		80	1.9	2.2	0.5	1.3	---		---	SUP
AW-8	4/1/92	40.86		25.11	---	15.75		73	ND<0.5	0.7	ND<0.5	0.6	---		---	APP
AW-8	7/6/92	40.86		26.43	---	14.43		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-8	10/7/92	40.86		28.59	---	12.27		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-8	1/14/93	40.86		25.55	---	15.31		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-8	4/22/93	40.86		22.29	---	18.57		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-8	7/15/93	40.86		23.42	---	17.44		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	---	PACE
AW-8	10/21/93	40.86		25.15	---	15.71		ND<50	1.9	1.8	1.3	3.3	ND<5.0	(m)	---	PACE
AW-8	1/27/94	40.86		25.42	---	15.44		ND<50	ND<0.5	0.5	0.6	8.5	ND<5.0	(m)	---	PACE
AW-8	4/21/94	40.86		24.14	---	16.72		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	1.5	PACE
AW-8	9/9/94	40.86		24.55	---	16.31		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	2.4	PACE
AW-8	12/21/94	40.86		22.72	---	18.14		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	1.1	PACE
AW-8	1/30/95	40.86		19.75	---	21.11		ND<50	ND<0.50	1	ND<0.50	1	---		0.8	ATI
AW-8	4/10/95	40.86		17.78	---	23.08		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		8.3	ATI
AW-8	6/29/95	40.86		18.18	---	22.68		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		8.3	ATI
AW-8	9/18/95	40.86		20.20	---	20.66		---	---	---	---	---	---		---	---
AW-8	9/19/95	40.86		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		7.7	ATI
AW-8	12/7/95	40.86		21.54	---	19.32		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		4.4	ATI
AW-8	3/28/96	40.86		15.77	---	25.09		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.8	SPL
AW-8	6/20/96	40.86		16.41	---	24.45		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.6	SPL
AW-8	10/11/96	40.86		19.90	---	20.96		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		6.4	SPL
AW-8	1/2/97	40.86		15.89	---	24.97		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.9	SPL
AW-8	4/14/97	40.86		17.07	---	23.79		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.6	SPL
AW-8	7/2/97	40.86		18.67	---	22.19		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.6	SPL
AW-8	9/30/97	40.86		22.52	---	18.34		ND<50	ND<5	ND<10	ND<10	ND<10	820		6.7	SPL
AW-8	1/21/98	40.86		16.01	---	24.85		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.2	SPL
AW-8	4/9/98	40.86		11.18	---	29.68		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.4	SPL
AW-8	6/19/98	40.86		13.01	---	27.85		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		4.1	SPL
AW-8	11/30/98	40.86		17.46	---	23.40		---	---	---	---	---	---		---	---
AW-8	1/21/99	40.86		17.47	---	23.39		---	---	---	---	---	---		---	---
AW-8	4/30/99	40.86		17.60	---	23.26		---	---	---	---	---	---		---	---
AW-8	7/9/99	40.86		16.50	---	24.36		---	---	---	---	---	---		---	---
AW-8	11/3/99	40.86		19.29	---	21.57		---	---	---	---	---	---		---	---
AW-8	1/12/00	40.86		21.49	---	19.37		---	---	---	---	---	---		---	---
AW-8	4/13/00	40.86		21.60	---	19.26		---	---	---	---	---	---		---	---
AW-8	7/26/00	40.86		21.53	---	19.33		---	---	---	---	---	---		---	---
AW-8	10/24/00	40.86		19.37	---	21.49		---	---	---	---	---	---		---	---
AW-8	1/19/01	40.86		18.60	---	22.26		---	---	---	---	---	---		---	---
AW-8	7/24/01	40.86		18.22	---	22.64		---	---	---	---	---	---		---	---

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID	DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-8	1/18/02	40.86		16.29	---	24.57		---	---	---	---	---	---	---	---
AW-8	8/1/2002*	40.86		17.25	---	23.61		---	---	---	---	---	---	---	---
AW-8	1/16/03	40.86		15.82	---	25.04		---	---	---	---	---	---	---	---
AW-8	**7/7/03**	**40.86**		**18.55**	**---**	**22.31**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-9		1/2/97	37.78		10.00	---	27.78		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.7	SPL
AW-9	(f)	4/14/97	37.78		---	---	---		---	---	---	---	---	---	---	---
AW-9		7/2/97	37.78		12.71	---	25.07		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.0	SPL
AW-9		9/30/97	37.78		21.22	---	16.56		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.8	SPL
AW-9		1/21/98	37.78		10.26	---	27.52		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.3	SPL
AW-9		4/9/98	37.78		6.77	---	31.01		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.6	SPL
AW-9		6/19/98	37.78		8.96	---	28.82		ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	4.8	SPL

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
RW-1		4/5/91	37.73		---	---	---		---	---	---	---	---	---		---	---
RW-1		4/1/92	37.73		22.81	0.30	15.15		---	---	---	---	---	---		---	---
RW-1		7/6/92	37.73		26.92	0.41	11.12		---	---	---	---	---	---		---	---
RW-1		10/7/92	37.73		28.51	1.26	10.17		---	---	---	---	---	---		---	---
RW-1		1/14/93	37.73		23.75	0.25	14.17		---	---	---	---	---	---		---	---
RW-1		4/22/93	37.73		22.70	1.38	16.07		---	---	---	---	---	---		---	---
RW-1		7/15/93	37.73		26.10	0.81	12.24		---	---	---	---	---	---		---	---
RW-1		10/21/93	37.73		25.40	0.49	12.70		---	---	---	---	---	---		---	---
RW-1		10/21/93	37.73		25.40	0.49	12.70		---	---	---	---	---	---		---	---
RW-1		1/27/94	37.73		28.02	0.37	9.99		---	---	---	---	---	---		---	---
RW-1		4/21/94	37.73		23.10	0.91	15.31		---	---	---	---	---	---		---	---
RW-1		9/9/94	37.73		24.39	1.04	14.12		---	---	---	---	---	---		---	---
RW-1	(h)	12/21/94	37.73		---	---	---		---	---	---	---	---	---		---	---
RW-1		12/7/95	37.73		25.71	1.04	12.80		150000	34000	35000	4300	21000	2700		---	ATI
RW-1		3/28/96	37.73		16.75	0.18	21.12		---	---	---	---	---	---		---	---
RW-1	(h)	6/20/96	37.73		25.10	0.02	12.65		---	---	---	---	---	---		---	---
RW-1		10/11/96	37.73		25.51	0.00	12.22		130000	20000	32000	2800	20700	1400/1200	(g)	7.4	SPL
RW-1		1/2/97	37.73		24.49	0.01	13.25		---	---	---	---	---	---		---	---
RW-1		4/14/97	37.73		23.99	0.04	13.77		---	---	---	---	---	---		---	---
RW-1		4/15/97	37.73		---	---	---		1800000	38000	190000	48000	281000	ND<25000		---	SPL
RW-1		7/2/97	37.73		16.40	0.20	21.48		140000	19000	55000	4400	32400	ND<10000		5.7	SPL
QC-1	(e)	7/2/97	---		---	---	---		130000	19000	54000	4700	33400	ND<10000		---	SPL
RW-1		9/30/97	37.73		27.97	0.02	9.78		110000	13000	22000	2000	12500	1100		7.0	SPL
QC-1	(e)	9/30/97	---		---	---	---		140000	17000	29000	2500	15900	1200		---	SPL
RW-1		1/21/98	37.73		14.14	0.44	23.92		270000	21000	48000	3500	25000	1100		4.8	SPL
RW-1		4/9/98	37.73		25.01	0.05	12.76		---	---	---	---	---	---		---	---
RW-1		4/10/98	37.73		---	---	---		220000	26000	46000	4400	24500	ND<2500		5.1	SPL
RW-1		6/19/98	37.73		11.43	---	26.30		180000	19000	32000	3000	17400	ND<2500		4.6	SPL
RW-1		11/30/98	37.73		7.87	---	29.86		---	---	---	---	---	---		---	---
RW-1		1/21/99	37.73		18.90	0.03	18.85		260000	24000	46000	5100	30000	1700		---	SPL
RW-1		7/9/99	37.73		18.58	0.26	19.36		---	---	---	---	---	---		---	---
RW-1		11/3/99	37.73		20.85	0.60	17.36		160000	19000	37000	3800	25000	1500		---	PACE
RW-1		1/12/00	37.73		21.20	0.23	16.71		240000	18000	46000	5800	26000	2100		---	PACE
RW-1		4/13/00	37.73		21.71	0.11	16.11		120000	2100	33000	2800	28000	1500		---	PACE
RW-1		5/24/00	37.73		21.89	0.24	16.03		---	---	---	---	---	---		---	---
RW-1		6/1/00	37.73		16.30	0.01	21.44		---	---	---	---	---	---		---	---
RW-1		6/8/00	37.73		17.88	0.20	20.01		---	---	---	---	---	---		---	---
RW-1		6/15/00	37.73		16.72	0.04	21.04		---	---	---	---	---	---		---	---
RW-1		6/20/00	37.73		21.04	0.20	16.85		---	---	---	---	---	---		---	---

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
RW-1		7/7/00	37.73		17.21	0.01	20.53		---	---	---	---	---	---	---	---
RW-1		7/20/00	37.73		21.87	0.18	16.00		---	---	---	---	---	---	---	---
RW-1		7/26/00	37.73		21.45	0.13	16.38		67000	160	5300	2100	18000	1100	---	PACE
RW-1		7/31/00	37.73		22.11	---	15.62		---	---	---	---	---	---	---	---
RW-1		8/8/00	37.73		17.80	0.01	19.94		---	---	---	---	---	---	---	---
RW-1		8/16/00	37.73		17.92	---	19.81		---	---	---	---	---	---	---	---
RW-1		8/23/00	37.73		18.11	0.02	19.64		---	---	---	---	---	---	---	---
RW-1		10/24/00	37.73		18.93	---	18.80		---	---	---	---	---	---	---	---
RW-1	(k)	10/25/00	37.73		19.04	---	18.69		360000	18000	78000	34000	180000	2100	---	PACE
RW-1		1/19/01	37.73		18.19	0.05	19.58		110000	9450	19600	3510	21100	1270	---	PACE
RW-1	(l)	7/24/01	37.73		17.93	---	19.80		---	---	---	---	---	---	---	---
RW-1		1/18/02	37.73		14.87	---	22.86		63000	2060	4370	1770	13900	491	---	PACE
RW-1		8/1/2002*	37.73		16.84	---	20.89		60000	1210	2200	1520	10600	390	---	PACE
RW-1	(p)	1/16/03	37.73		14.42	---	23.31		34000	2500	2700	780	5300	680	---	SEQ
RW-1	**(q)**	**7/7/03**	**37.73**		**16.11**	**SHEEN**	**21.62**		**50000**	**640**	**280**	**1600**	**10000**	**ND<250**	**---**	**SEQ**

Table 1
Groundwater Elevation and Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID		DATE OF MONITORING/ SAMPLING	TOC (Feet)	(a)	DTW (Feet)	PRODUCT THICKNESS (Feet)	GWE (Feet)	(b)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
QC-2	(i)	10/7/92	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
QC-2	(i)	1/14/93	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
QC-2	(i)	4/22/93	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
QC-2	(i)	7/15/93	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	---	PACE
QC-2	(i)	10/21/93	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i)	1/27/94	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i)	4/21/94	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i)	9/9/94	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i)	12/21/94	---		---	---	---		ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i)	1/30/95	---		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
QC-2	(i)	4/10/95	---		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
QC-2	(i)	6/27/95	---		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
QC-2	(i)	9/19/95	---		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
QC-2	(i)	12/7/95	---		---	---	---		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
QC-2	(i)	3/28/96	---		---	---	---		ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL
QC-2	(i)	6/20/96	---		---	---	---		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 #11133
2220 98th Avenue, Oakland, CA

ABBREVIATIONS:

TOC	Top of Casing
DTW	Depth to Water
GWE	Groundwater Elevation
TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
---	Not available/applicable/measurable
ND	Not detected above reported detection limit
PACE	Pace, Inc.
SUP	Superior Analytical Laboratories, Inc.
APP	Applied Analytical Laboratory
ANA	Anametrix, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories
SEQ	Sequoia Analytical

NOTES:

(a) Top of casing elevations surveyed to the nearest 0.01 foot above mean sea level.

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

(c) A copy of the documentation for this data is included in Appendix C of Alisto report 10-025-13-003.

(d) MTBE peak. See documentation in Appendix C of Alisto report 10-025-13-003.

(e) Blind duplicate.

(f) Well inaccessible.

(g) EPA Methods 8020/8260 used.

(h) Well not monitored and/or sampled due to vapor extraction system.

(i) Travel blank.

(j) This gasoline does not include MTBE.

(k) Well was sampled on a different date from the other wells due to lack of proper equipment.

(l) Unable to sample due to nature of product.

(m) A copy of the documentation for this data is included in Blaine Tech Services, Inc., Report 010724-B-2.
The data for sampling events January 14, 1993 and April 22, 1993 has been destroyed.
No chromatograms could be located for samples AW-2 on January 27, 1994, and for samples AW-1, AW-2, AW-3, AW-4, AW-5, AW-6, AW-7, AW-8, MW-2 and MW-3 on September 9, 1994.

(n) On June 1, 2001, after reviewing chromatograms, Sequoia reported the value as <5.0.

(o) Unable to locate well.

(p) TPH-g data analyzed by EPA Method 8015B modified; BTEX and MTBE by EPA Method 8021B

(q) TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on the third quarter 2003 sampling event (07/07/03).

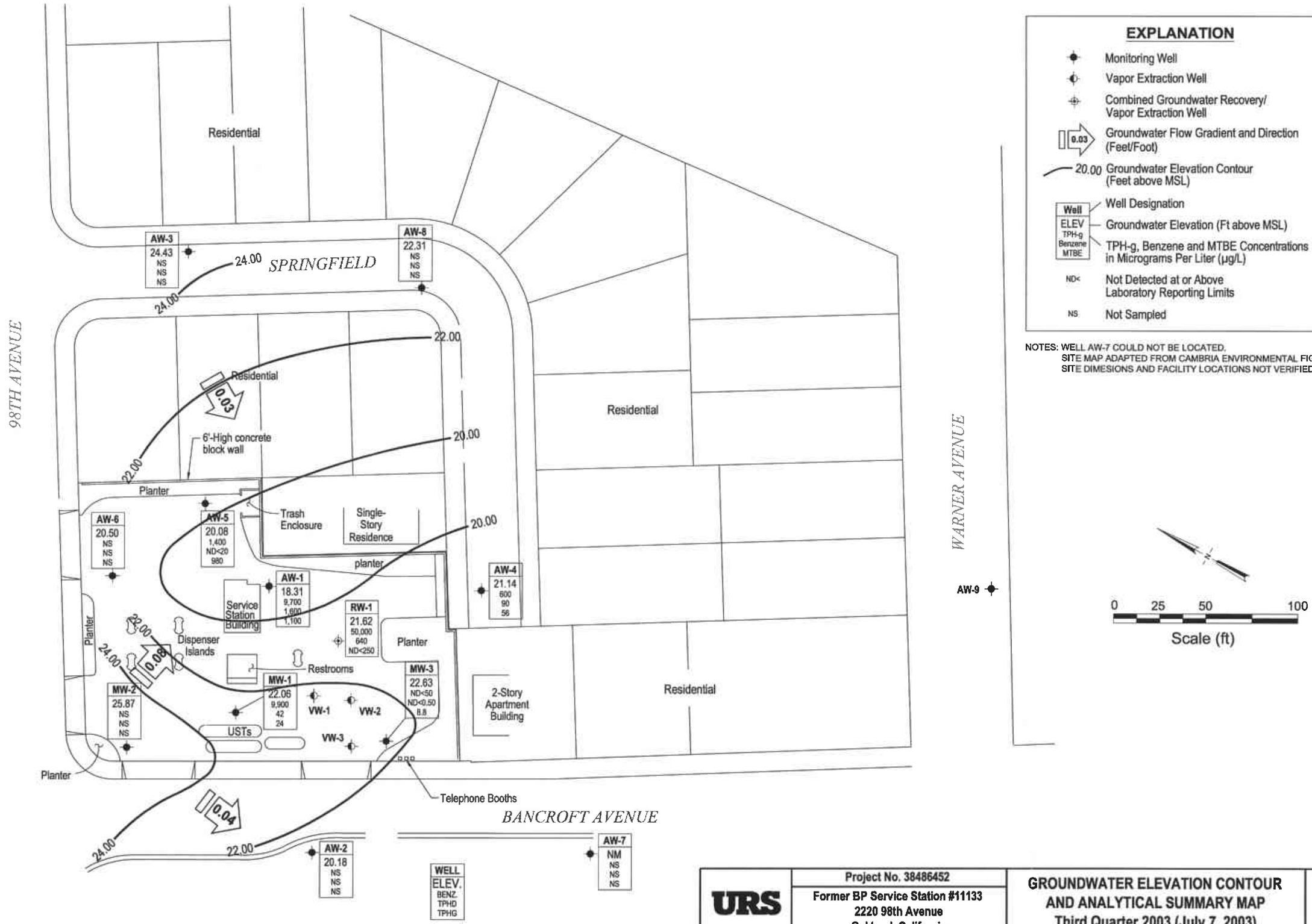
* During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.

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 the accuracy of this information.

Table 2
Fuel Oxygenate Analytical Data
Former BP Service Station #11133
2220 98th Avenue, Oakland, CA

WELL ID	DATE OF SAMPLING	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-1	**7/7/03**	**ND<1,000**	**ND<200**	**24**	**ND<5.0**	**ND<5.0**	**ND<5.0**
MW-3	**7/7/03**	**ND<100**	**ND<20**	**8.8**	**ND<0.50**	**ND<0.50**	**0.65**
AW-1	**7/7/03**	**ND<5,000**	**ND<1,000**	**1,100**	**ND<25**	**ND<25**	**190**
AW-4	**7/7/03**	**ND<1,000**	**ND<200**	**56**	**ND<5.0**	**ND<5.0**	**ND<5.0**
AW-5	**7/7/03**	**ND<2,000**	**1,200**	**980**	**ND<10**	**ND<10**	**210**
RW-1	**7/7/03**	**ND<50,000**	**ND<10,000**	**ND<250**	**ND<250**	**ND<250**	**ND<250**

Note = All fuel oxygenate compounds analyzed using EPA Method 8260B
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert butyl ether
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
ND< = Less than laboratory reporting limit



EXPLANATION

- Monitoring Well
- Vapor Extraction Well
- Combined Groundwater Recovery/ Vapor Extraction Well
- 0.03 — Groundwater Flow Gradient and Direction (Feet/Foot)
- 20.00 — Groundwater Elevation Contour (Feet above MSL)
- Well — Well Designation
- ELEV — Groundwater Elevation (Ft above MSL)
- TPH-g, Benzene, MTBE — TPH-g, Benzene and MTBE Concentrations in Micrograms Per Liter (µg/L)
- ND< — Not Detected at or Above Laboratory Reporting Limits
- NS — Not Sampled

NOTES: WELL AW-7 COULD NOT BE LOCATED.
SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES.
SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

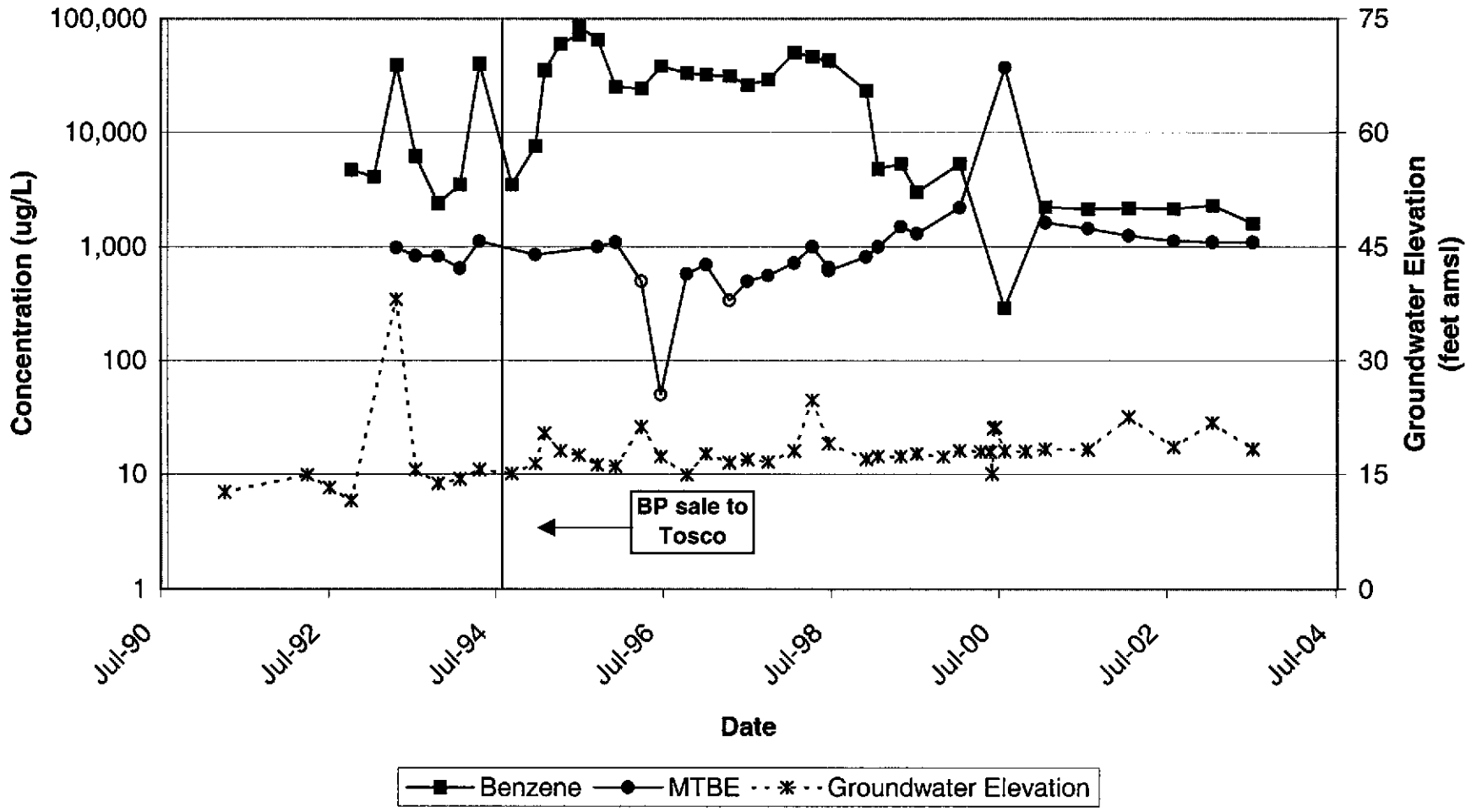
URS	Project No. 38486452 Former BP Service Station #11133 2220 98th Avenue Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2003 (July 7, 2003)	FIGURE 1

X:\e_env_waste\BP GEM\Sites\Niles Sites\111133\Reports\Monitoring\Qtr. 3, 2003\Drawings\GWEC-AS_7-7.dwg, 09/11/2003 04:06:08 PM, JKMT, URS

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS

Concentration and Water Level Trends
Well AW-1



URS Corporation

Former BP Service Station # 11133
2220 98th Avenue, Oakland, CA

Graph 1

ATTACHMENT B

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 030707-SS1 Date 7/7/03 Client BP Arco # 11133

Site 2220 98th AVE OAKLAND, CA.

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					12.40	28.35		
MW-2	2					9.63	31.30		G
MW-3	2					13.90	34.06		
AW-1	2					19.80	34.20		
AW-2	2					16.65	34.05		G
AW-3	2					14.70	35.60		G
AW-4	2					~~18.43~~ 17.94	32.65		
AW-5	4					18.43	42.60		
AW-6	4					16.58	34.25		G
AW-7	WELL IS COVERED. UNABLE TO LOCATE.								G
AW-8	2					18.55	37.95		G
RW-1	6	NO SPH DETECTED.				16.11	37.70		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030707-SS1	Station # 11133
Sampler: Scott	Date: 7/7/03
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.35	Depth to Water: 12.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
934	65.8	6.7	574	2.6	SHEEN/GAS ODOR
937	66.1	6.7	583	5.2	" "
940	66.3	6.7	620	8.0	" "

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

Sampling Time: 942 Sampling Date: 7/7/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S + EDB/DCA by 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030707-SS1	Station # 1113
Sampler: SCOTT	Date: 7/7/03
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.06	Depth to Water: 13.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer / (Disposable Bailer) / 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
1007	64.0	6.9	474	3.2	ALMOST CLEAR
1011	64.2	6.8	409	6.4	TURBID
1015	64.5	6.8	412	10.0	

Did well dewater? Yes (No) Gallons actually evacuated: 10

Sampling Time: 1017 Sampling Date: 7/7/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S + ETHANOL (8260)

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030707-SS1	Station # 11133
Sampler: Scott	Date: 7/7/03
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 34.20	Depth to Water: 19.80
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.

2.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
949	64.3	6.5	786	2.3	SHEEN / GAS ODOR
952	64.6	6.5	817	4.6	" "
955	64.6	6.5	830	7.0	" "

Did well dewater? Yes (No) Gallons actually evacuated: 7

Sampling Time: 957 Sampling Date: 7/7/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S + ETHANOL'S 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030707-551	Station # 11133
Sampler: Scott	Date: 7/7/03
Well I.D.: AW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 32.65	Depth to Water: 17.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

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
910	69.9	6.3	1323	2.5	GREY/GASOLINE
914	65.2	6.4	1423	5.0	" "
917	65.4	6.4	1427	7.5	" "

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

Sampling Time: 919 Sampling Date: 7/7/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S + ETHANOL 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030707-551	Station # 1113
Sampler: Scott	Date: 7/7/03
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 42.60	Depth to Water: 18.43
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.

16 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 48 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1027	65.6	6.5	521	16	TURBID / GAS ODOR
1030	66.1	6.4	585	32	"
1033	66.3	6.4	565	48	"

Did well dewater? Yes (No) Gallons actually evacuated: 48

Sampling Time: 1037 Sampling Date: 7/7/03

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

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S + ENTEROCOCCI 8260

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030707-SS1	Station # 1113
Sampler: SCOTT	Date: 7/7/03
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 37.70	Depth to Water: 16.11
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 / 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.

32 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 96 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1048	66.3	6.5	666	32	GAS ODOR / GREY
1054	WELL DEWATERED @ 25 gal.				DTW = 35.70
1100	65.9	6.5	715	———	SHEEN / GREY / GAS ODOR

Did well dewater? (Yes) No Gallons actually evacuated: 25

Sampling Time: 1100 @ SITE DEPART. Sampling Date: 7/7/03

Sample I.D.: RW-1 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: OXY'S + ETHANOL BY 8260

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

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:

11133

Station #

2220 98th Ave. Oakland

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

added equip. rinse water_____ any other adjustments_____

TOTAL GALS. RECOVERED 103 loaded onto BTS vehicle # ES

BTS event #	time	date
030707-551	1115	7/7/03

signature

* *

REC'D AT	time	date
		/ /

unloaded by signature_____

WELL GAUGING DATA

Project # 030523-MT3 Date 5-23-03 Client 11133

Site 2220 98th Ave., Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
RW-1	4					13.32	37.78		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030523-MS3	Station # 11133
Sampler: M. TOLL	Date: 5.23.03
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth: 37.78	Depth to Water: 13.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

_____ (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	No	SPH	Detected		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Pace Sequoia Other_____

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

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

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 Drive
Morgan Hill, CA 95037
(408) 766-9600
FAX (408) 782-6308
www.sequoialabs.com

29 July, 2003

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

RE: BP Heritage #11133, Oakland, CA
Work Order: MMG0181

Enclosed are the results of analyses for samples received by the laboratory on 07/08/03 10:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tim Costello For Theresa Allen
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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Morgan Hill, CA 95037
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URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MMG0181
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	07/29/03 14:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MMG0181-01	Water	07/07/03 09:42	07/08/03 10:05
MW-3	MMG0181-02	Water	07/07/03 10:17	07/08/03 10:05
AW-1	MMG0181-03	Water	07/07/03 09:57	07/08/03 10:05
AW-4	MMG0181-04	Water	07/07/03 09:19	07/08/03 10:05
AW-5	MMG0181-05	Water	07/07/03 10:37	07/08/03 10:05
RW-1	MMG0181-06	Water	07/07/03 11:00	07/08/03 10:05

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MMG0181
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	07/29/03 14:06

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MMG0181-01) Water Sampled: 07/07/03 09:42 Received: 07/08/03 10:05									
Ethanol	ND	1000	ug/l	10	3G13005	07/13/03	07/13/03	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**24**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
Benzene	**42**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**160**	5.0	"	"	"	"	"	"	
Xylenes (total)	**150**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**9900**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*78-129*		"	"	"	"	
MW-3 (MMG0181-02) Water Sampled: 07/07/03 10:17 Received: 07/08/03 10:05									
Ethanol	ND	100	ug/l	1	3G13005	07/13/03	07/13/03	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**8.8**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	**0.65**	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*78-129*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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

URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MMG0181
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	07/29/03 14:06

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AW-1 (MMG0181-03) Water Sampled: 07/07/03 09:57 Received: 07/08/03 10:05									
Ethanol	ND	5000	ug/l	50	3G13005	07/13/03	07/13/03	EPA 8260B	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Methyl tert-butyl ether	**1100**	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
tert-Amyl methyl ether	**190**	25	"	"	"	"	"	"	
Benzene	**1600**	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	**540**	25	"	"	"	"	"	"	
Xylenes (total)	**110**	25	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**9700**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*78-129*		"	"	"	"	
AW-4 (MMG0181-04) Water Sampled: 07/07/03 09:19 Received: 07/08/03 10:05									
Ethanol	ND	1000	ug/l	10	3G13005	07/13/03	07/13/03	EPA 8260B	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**56**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
Benzene	**90**	5.0	"	"	"	"	"	"	
Toluene	**7.9**	5.0	"	"	"	"	"	"	
Ethylbenzene	**18**	5.0	"	"	"	"	"	"	
Xylenes (total)	**36**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**600**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*78-129*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

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Morgan Hill, CA 95037
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URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MMG0181
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	07/29/03 14:06

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AW-5 (MMG0181-05) Water Sampled: 07/07/03 10:37 Received: 07/08/03 10:05									
Ethanol	ND	2000	ug/l	20	3G13005	07/13/03	07/13/03	EPA 8260B	
tert-Butyl alcohol	**1200**	400	"	"	"	"	"	"	
Methyl tert-butyl ether	**980**	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
tert-Amyl methyl ether	**210**	10	"	"	"	"	"	"	
Benzene	ND	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**1400**	1000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*78-129*		"	"	"	"	
RW-1 (MMG0181-06) Water Sampled: 07/07/03 11:00 Received: 07/08/03 10:05									
Ethanol	ND	50000	ug/l	500	3G13005	07/13/03	07/13/03	EPA 8260B	
tert-Butyl alcohol	ND	10000	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Di-isopropyl ether	ND	250	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	250	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	250	"	"	"	"	"	"	
Benzene	**640**	250	"	"	"	"	"	"	
Toluene	**280**	250	"	"	"	"	"	"	
Ethylbenzene	**1600**	250	"	"	"	"	"	"	
Xylenes (total)	**10000**	250	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**50000**	25000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*78-129*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 766-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MMG0181
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	07/29/03 14:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3G13005 - EPA 5030B P/T										
Blank (3G13005-BLK1)				Prepared & Analyzed: 07/13/03						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.58*		"	*5.00*		*91.6*	*78-129*			
Laboratory Control Sample (3G13005-BS1)				Prepared & Analyzed: 07/13/03						
Methyl tert-butyl ether	9.36	0.50	ug/l	10.0		93.6	63-137			
Benzene	10.4	0.50	"	10.0		104	78-124			
Toluene	10.8	0.50	"	10.0		108	78-129			
Surrogate: 1,2-Dichloroethane-d4	*4.94*		"	*5.00*		*98.8*	*78-129*			
Laboratory Control Sample (3G13005-BS2)				Prepared & Analyzed: 07/13/03						
Methyl tert-butyl ether	7.87	0.50	ug/l	9.92		79.3	63-137			
Benzene	5.16	0.50	"	6.40		80.6	78-124			
Toluene	31.7	0.50	"	29.7		107	78-129			
Gasoline Range Organics (C6-C10)	416	50	"	440		94.5	70-113			
Surrogate: 1,2-Dichloroethane-d4	*5.03*		"	*5.00*		*101*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MMG0181
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	07/29/03 14:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3G13005 - EPA 5030B P/T										
Matrix Spike (3G13005-MS1)	**Source: MMG0181-03**			Prepared: 07/13/03		Analyzed: 07/14/03				
Methyl tert-butyl ether	1350	25	ug/l	496	1100	50.4	63-137			QM-07
Benzene	1740	25	"	320	1600	43.8	78-124			QM-07
Toluene	1510	25	"	1480	8.0	101	78-129			
Gasoline Range Organics (C6-C10)	30100	2500	"	22000	9700	92.7	70-113			
Surrogate: 1,2-Dichloroethane-d4	*4.39*		"	*5.00*		*87.8*	*78-129*			
Matrix Spike Dup (3G13005-MSD1)	**Source: MMG0181-03**			Prepared: 07/13/03		Analyzed: 07/14/03				
Methyl tert-butyl ether	1290	25	ug/l	496	1100	38.3	63-137	4.55	13	QM-07
Benzene	1720	25	"	320	1600	37.5	78-124	1.16	12	QM-07
Toluene	1550	25	"	1480	8.0	104	78-129	2.61	10	
Gasoline Range Organics (C6-C10)	30500	2500	"	22000	9700	94.5	70-113	1.32	9	
Surrogate: 1,2-Dichloroethane-d4	*4.45*		"	*5.00*		*89.0*	*78-129*			

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URS Corporation [Arco]	Project: BP Heritage #11133, Oakland, CA	MMG0181
500 12th Street, Suite 100	Project Number: N/P	**Reported:**
Oakland CA, 94607	Project Manager: Leonard Niles	07/29/03 14:06

Notes and Definitions

QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Chain of Custody Record

Project Name BP/ARCO #11133
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 7/7/03 Requested Due Date (mm/dd/yy) Standard MMG0181

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

nd To:	BP/GEM Facility No.:	Consultant/Contractor: URS
ab Name: SEQUOIA	BP/GEM Facility Address: 2220 98TH AVE., OAKLAND, CA	Address: 500 12th St., Ste. 200
ab Address: 885 Jarvis Dr.	Site ID No. 11133	Oakland, CA 94609-4014
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: syed_rehan@urscorp.com
	California Global ID #: T0600108210	Consultant/Contractor Project No.:
ab PM: Latonya Pelt	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-874-1720 / 510-874-3268
ele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Leonard Niles
eport Type & QC Level: Send EDF Repods	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
P/GEM Account No.: 400-6-21124	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No:

ab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8260)	Requested Analysis: TPH-D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: 1,2DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-1	942		X			01	3				3	X	-			X		X	
2	MW-3	1017		X			02	3				3	X				X		X	
3	AW-1	957		X			03	3				3	X				X		X	
4	AW-4	919		X			04	3				3	X				X		X	
5	AW-5	1037		X			05	3				3	X				X		X	
6	EW-1	1100		X			06	3				3	X				X		X	
7																				
8																				
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: SUKHDEV SUNG						
Sampler's Company: BLAINE TECH		7/7/03	6:30		7/7/03	7:31
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

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

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

BP COC Rev. 1 2/5/01

BLAINE TECH SERVICES Fax:1+408+573+7771 Jul 8 2003 10:02 P. 02

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): AS
WORKORDER: 1490181

DATE REC'D AT LAB: 7-8-03
TIME REC'D AT LAB: 1005
DATE LOGGED IN: 7-9-03

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

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID:	CONTAINER DESCRIPTION	PRESERVATIVE	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*			MW-1	(3) VOCs	HCl	L	7-7-03	
2. Chain-of-Custody (Present) / Absent*			MW-3	↓	↓	↓	↓	
3. Traffic Reports or Packing List: Present / (Absent)			AW-1					
4. Airbill: Airbill / Sticker Present / (Absent)			AW-4					
5. Airbill #:			AW-5					
6. Sample Labels: (Present) / Absent			RW-1					
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on custody reports, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time: (Yes) / No*								
11. Proper Preservatives used: (Yes) / No*								
12. Temp Rec. at Lab: 4.3°C Is temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): Metals / DFF (Direct From Field) or Problem COC

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

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

07/31/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage #11133, Oakla
Work Order Number:	MMG0181
Global ID:	T0600100210
Lab Report Number:	MMG0181072920031406

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Labiotctl	Run Sub
MMG01810729200	AW-1	MMG018103	W	CS	8260FAB	SW5030B	07/07/03	07/13/03	07/13/03	3G13005	1
31406											
MMG01810729200	AW-4	MMG018104	W	CS	8260FAB	SW5030B	07/07/03	07/13/03	07/13/03	3G13005	1
31406											
MMG01810729200	AW-5	MMG018105	W	CS	8260FAB	SW5030B	07/07/03	07/13/03	07/13/03	3G13005	1
31406											
MMG01810729200	MW-1	MMG018101	W	CS	8260FAB	SW5030B	07/07/03	07/13/03	07/13/03	3G13005	1
31406											
MMG01810729200	MW-3	MMG018102	W	CS	8260FAB	SW5030B	07/07/03	07/13/03	07/13/03	3G13005	1
31406											
MMG01810729200	RW-1	MMG018106	W	CS	8260FAB	SW5030B	07/07/03	07/13/03	07/13/03	3G13005	1
31406											
		3G13005BS1	WQ	BS1	8260FAB	SW5030B	/ /	07/13/03	07/13/03	3G13005	1
		3G13005BS2	WQ	BS2	8260FAB	SW5030B	/ /	07/13/03	07/13/03	3G13005	1
		3G13005BLK1	WQ	LB1	8260FAB	SW5030B	/ /	07/13/03	07/13/03	3G13005	1
		3G13005MS1	W	MS1	8260FAB	SW5030B	/ /	07/13/03	07/14/03	3G13005	1
		3G13005MSD1	W	SD1	8260FAB	SW5030B	/ /	07/13/03	07/14/03	3G13005	1

EDFSAMP: Error Summary Log

07/31/03

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

EDFTEST: Error Summary Log

07/31/03

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

EDFRES: Error Summary Log

07/31/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3G13005MS1	MS1	W	8260FAB	PR	07/14/03	1	DCA12D4
Warning: extra parameter	3G13005MS1	MS1	W	8260FAB	PR	07/14/03	1	GROC6C10
Warning: extra parameter	3G13005MSD1	SD1	W	8260FAB	PR	07/14/03	1	DCA12D4
Warning: extra parameter	3G13005MSD1	SD1	W	8260FAB	PR	07/14/03	1	GROC6C10
Warning: extra parameter	MMG018101	CS	W	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	MMG018101	CS	W	8260FAB	PR	07/13/03	1	GROC6C10
Warning: extra parameter	MMG018102	CS	W	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	MMG018102	CS	W	8260FAB	PR	07/13/03	1	GROC6C10
Warning: extra parameter	MMG018103	CS	W	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	MMG018103	CS	W	8260FAB	PR	07/13/03	1	GROC6C10
Warning: extra parameter	MMG018104	CS	W	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	MMG018104	CS	W	8260FAB	PR	07/13/03	1	GROC6C10
Warning: extra parameter	MMG018105	CS	W	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	MMG018105	CS	W	8260FAB	PR	07/13/03	1	GROC6C10
Warning: extra parameter	MMG018106	CS	W	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	MMG018106	CS	W	8260FAB	PR	07/13/03	1	GROC6C10
Warning: extra parameter	3G13005BLK1	LB1	WQ	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	3G13005BLK1	LB1	WQ	8260FAB	PR	07/13/03	1	GROC6C10
Warning: extra parameter	3G13005BS1	BS1	WQ	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	3G13005BS2	BS2	WQ	8260FAB	PR	07/13/03	1	DCA12D4
Warning: extra parameter	3G13005BS2	BS2	WQ	8260FAB	PR	07/13/03	1	GROC6C10

EDFQC: Error Summary Log

07/31/03

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

EDFCL: Error Summary Log

07/31/03

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

AB2886 Electronic Delivery

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 5481693387
Date/Time of Submittal: 7/31/2003 2:54:13 PM
Facility Global ID: T0600100210
Facility Name: BP
Submittal Title: Third Quarter 03 Ground Water Monitoring for site 11333
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

AB2886 Electronic Delivery

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**Third Quarter 03 Geowell for site # 11133**
Submittal Date/Time:	**7/31/2003 2:58:32 PM**
Confirmation Number:	**4090087711**

Back to Main Menu

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(CONTRACTOR)

CONTACT SITE ADMINISTRATOR.