URS

January 28, 2003 R0403

Alameda County
JAN 29 2003
Environmental Health

Ms. Eva Chu
Alameda County Health Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: Second 2002 Semi-Annual Groundwater Monitoring Report
Former BP Service Station #11133
2220 98th Avenue
Oakland, California
URS Project #38485987

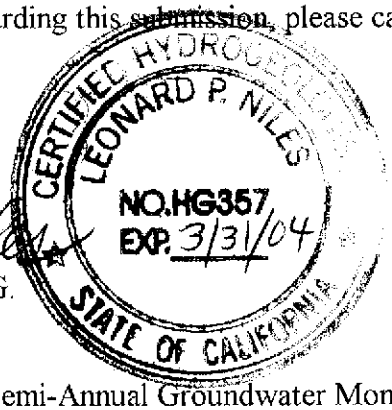
Dear Ms. Chu:

On behalf of the Group Environmental Management Company (a BP affiliated company), URS Corporation (URS) is submitting the *Second 2002 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 at (510) 893-1720.

Sincerely,

URS CORPORATION



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

Attachment: Second 2002 Semi-Annual Groundwater Monitoring Report

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

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

REPORT

SECOND 2002 SEMI-ANNUAL GROUNDWATER MONITORING

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

Prepared for
BP GEM

January 28, 2003

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

38485987

URS

Date: January 28, 2003
Quarter: 3Q 02

BP GEM SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Facility No.:	11133	Address:	2220 98th Avenue, Oakland, CA
BP Environmental Engineer:			Scott Hooton
Consulting Co./Contact Person:			URS Corporation/ Leonard Niles
Consultant Project No.:			38485987
Primary Agency/Regulatory ID No.:			Alameda Country Health Services Agency

WORK PERFORMED THIS PERIOD (Second – 2002):

1. Performed second 2002 semi-annual groundwater monitoring event.
2. Prepared and submitted first 2002 semi-annual groundwater monitoring report.

WORK PROPOSED FOR NEXT PERIOD (First – 2003):

1. Perform first 2003 semi-annual groundwater monitoring event.
2. Prepare and submit second 2002 semi-annual groundwater monitoring 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 biannual; AW-2, AW-6 annual; MW-2, AW-3, AW-7, AW-8 not sampled
Frequency of Groundwater Monitoring:	Biannual
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None currently
Approximate Depth to Groundwater:	10.47 (MW-2) to 19.55 (AW-1) feet
Groundwater Gradient (direction):	Variable; easterly at 0.05 feet/foot and south-southwesterly at 0.04 feet/foot

DISCUSSION:

TPH-g was detected in all five wells sampled at concentrations ranging from 66 µg/L in MW-3 to 60,000 µg/L in RW-1. Benzene was detected in three wells at concentrations ranging from 80.2 µg/L in MW-1 to 2,150 µg/L in AW-1. MTBE was detected in four wells at concentrations ranging from 390 µg/L in RW-1 to 3,470 µg/L in AW-5. A potentiometric ridge along the western site boundary divides groundwater flow direction into two components. Groundwater in the central portion of the site was found to be moving to the east at a gradient of 0.05 feet per foot. Groundwater along the western site margin was moving to the south-southwest at a gradient of 0.04 feet per foot. A potentiometric trough along the eastern margin of the site causes groundwater east of the site to flow in a westerly direction at a gradient of 0.03 feet per foot.

URS

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – August 1, 2002
- 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	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-1	04/05/1991	34.46	---	---	---	---	---	---	---	---	---	---	---
MW-1	04/01/1992	34.46	11.25	0.01	23.22	---	---	---	---	---	---	---	---
MW-1	07/06/1992	34.46	13.61	0.02	20.87	---	---	---	---	---	---	---	---
MW-1	10/07/1992	34.46	15.15	0.09	19.38	---	---	---	---	---	---	---	---
MW-1	01/14/1993	34.46	10.73	0.01	23.74	---	---	---	---	---	---	---	---
MW-1	04/22/1993	34.46	11.64	0.16	22.94	---	---	---	---	---	---	---	---
MW-1	07/15/1993	34.46	13.50	1.11	21.79	---	---	---	---	---	---	---	---
MW-1	10/21/1993	34.46	15.21	1.00	20.00	---	---	---	---	---	---	---	---
MW-1	01/27/1994	34.46	17.48	0.81	17.59	---	---	---	---	---	---	---	---
MW-1	04/21/1994	34.46	10.94	---	23.52	110000	1400	9100	3400	30000	11000 (c)	1.6	PACE
MW-1	09/09/1994	34.46	13.80	---	20.66	---	---	---	---	---	---	---	---
MW-1	12/21/1994	34.46	12.60	0.02	21.88	---	---	---	---	---	---	---	---
MW-1	01/30/1995	34.46	---	---	---	---	---	---	---	---	---	---	---
MW-1	04/10/1995	34.46	10.62	---	23.84	---	---	---	---	---	---	---	---
MW-1	06/29/1995	34.46	18.72	---	15.74	---	---	---	---	---	---	---	---
MW-1	09/18/1995	34.46	12.92	---	21.54	---	---	---	---	---	---	---	---
MW-1	12/07/1995	34.46	13.82	---	20.64	---	---	---	---	---	---	---	---
MW-1	03/28/1996	34.46	10.03	0.01	24.44	---	---	---	---	---	---	---	---
MW-1	06/20/1996	34.46	11.29	0.02	23.19	---	---	---	---	---	---	---	---
MW-1	10/11/1996	34.46	14.86	0.01	19.61	---	---	---	---	---	---	---	---
MW-1	01/02/1997	34.46	11.03	0.01	23.44	---	---	---	---	---	---	---	---
MW-1	04/14/1997	34.46	12.25	0.01	22.22	---	---	---	---	---	---	---	---
MW-1	04/15/1997	34.46	---	---	---	35000	130	650	1700	8200	4800	---	SPL
MW-1	07/02/1997	34.46	14.11	---	20.35	42000	ND<250	ND<500	2000	9600	ND<5000	5.5	SPL
MW-1	09/30/1997	34.46	14.40	---	20.06	61000	130	1100	2700	14600	2000	6.7	SPL
MW-1	01/21/1998	34.46	7.99	0.01	26.48	14000	11	60	310	1790	1300	4.5	SPL
MW-1	04/09/1998	34.46	7.89	---	26.57	---	---	---	---	---	---	---	---
MW-1	04/10/1998	34.46	---	---	---	45000	380	520	2100	6800	9300	5.3	SPL
MW-1	06/19/1998	34.46	10.31	---	24.15	35000	170	100	1100	3590	5000	4.9	SPL
MW-1	11/30/1998	34.46	11.16	---	23.30	10000	100	24	350	1040	1800/2800 (g)	---	SPL
MW-1	01/21/1999	34.46	10.76	---	23.70	18000	120	37	590	1800	2700	---	SPL
MW-1	04/30/1999	34.46	10.78	---	23.68	17000	240	89	1100	1900	1600	---	SPL
MW-1	07/09/1999	34.46	12.62	---	21.84	58000	140	100	1800	6900	1200	---	SPL
MW-1	11/03/1999	34.46	14.00	---	20.46	20000	62	42	620	2100	630	---	PACE

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MW-1	01/12/2000	34.46	15.25	---	19.21	72000	110	120	2400	8200	630	---	PACE
MW-1	04/13/2000	34.46	15.57	---	18.89	37000	300	32	1000	1700	810	---	PACE
MW-1	05/24/2000	34.46	11.75	---	22.71	---	---	---	---	---	---	---	---
MW-1	06/01/2000	34.46	11.41	---	23.05	---	---	---	---	---	---	---	---
MW-1	06/08/2000	34.46	11.68	---	22.78	---	---	---	---	---	---	---	---
MW-1	06/15/2000	34.46	11.85	---	22.61	---	---	---	---	---	---	---	---
MW-1	07/26/2000	34.46	16.19	---	18.27	10000	480	210	470	710	1100	---	PACE
MW-1	10/24/2000	34.46	13.89	---	20.57	9900	31	7.2	550	1200	4400	---	PACE
MW-1	01/19/2001	34.46	12.90	---	21.56	57000	199	7.66	1170	3260	514	---	PACE
MW-1	07/24/2001	34.46	13.55	---	20.91	27000	96.7	ND<5.0	548	1460	285	---	PACE
MW-1	01/18/2002	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**

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MW-2	04/05/1991	35.50	16.62	---	18.88	ND<50	0.6	0.9	ND<0.3	ND<0.3	---		---	SUP
MW-2	04/01/1992	35.50	11.25	---	24.25	---	---	---	---	---	---		---	---
MW-2	04/02/1992	35.50	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	APP
MW-2	07/06/1992	35.50	12.72	---	22.78	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
MW-2	10/07/1992	35.50	15.08	---	20.42	ND<50	ND<0.5	1.8	ND<0.5	2.3	---		---	ANA
MW-2	01/14/1993	35.50	9.69	---	25.81	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
MW-2	04/22/1993	35.50	10.46	---	25.04	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30	(c)	---	PACE
MW-2	07/15/1993	35.50	12.02	---	23.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	21.7	), (	---	PACE
MW-2	10/21/1993	35.50	13.12	---	22.38	ND<50	0.7	0.9	ND<0.5	0.9	14.9	(m)	---	PACE
MW-2	01/27/1994	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	04/21/1994	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	09/09/1994	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	12/21/1994	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	01/30/1995	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	04/10/1995	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	06/29/1995	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	09/18/1995	35.50	10.98	---	24.52	---	---	---	---	---	---		---	---
MW-2	09/19/1995	35.50	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		7.2	ATI
MW-2	12/07/1995	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	03/28/1996	35.50	8.57	---	26.93	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.2	SPL
MW-2	06/20/1996	35.50	9.77	---	25.73	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.2	SPL
MW-2	10/11/1996	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	01/02/1997	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	04/14/1997	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	07/02/1997	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	09/30/1997	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	01/21/1998	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	04/09/1998	35.50	6.82	---	28.68	---	---	---	---	---	---		---	---
MW-2	04/10/1998	35.50	---	---	---	ND<50	1.0	ND<1.0	ND<1.0	ND<1.0	23		5.0	SPL
MW-2	06/19/1998	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	11/30/1998	35.50	9.44	---	26.06	---	---	---	---	---	---		---	---
MW-2	01/21/1999	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	04/30/1999	35.50	9.15	---	26.35	---	---	---	---	---	---		---	---

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MW-2	07/09/1999	35.50	10.82	---	24.68	---	---	---	---	---	---	---	---
MW-2	11/03/1999	35.50	11.86	---	23.64	---	---	---	---	---	---	---	---
MW-2	01/12/2000	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	04/13/2000	35.50	13.01	---	22.49	---	---	---	---	---	---	---	---
MW-2	07/26/2000	35.50	13.01	---	22.49	---	---	---	---	---	---	---	---
MW-2	10/24/2000	35.50	11.57	---	23.93	---	---	---	---	---	---	---	---
MW-2	01/19/2001	35.50	10.52	---	24.98	---	---	---	---	---	---	---	---
MW-2	07/24/2001	35.50	11.13	---	24.37	---	---	---	---	---	---	---	---
MW-2	01/18/2002	35.50	8.85	---	26.65	---	---	---	---	---	---	---	---
MW-2	**8/1/2002***	**35.50**	**10.47**	---	**25.03**	---	---	---	---	---	---	---	---

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MW-3	04/05/1991	36.53	17.84	---	18.69	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---		---	SUP
MW-3	04/01/1992	36.53	15.64	---	20.89	---	---	---	---	---	---		---	---
MW-3	04/02/1992	36.53	---	---	---	ND<50	1.4	ND<0.5	ND<0.5	ND<0.5	---		---	APP
MW-3	07/06/1992	36.53	19.03	---	17.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
MW-3	10/07/1992	36.53	21.83	---	14.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
MW-3	01/14/1993	36.53	15.96	---	20.57	350	ND<0.5	ND<0.5	ND<0.5	ND<0.5	714	), (	---	PACE
MW-3	04/22/1993	36.53	16.20	---	20.33	2800	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3600	), (	---	PACE
MW-3	07/15/1993	36.53	16.82	---	19.71	1400	1.2	ND<0.5	2.0	3.5	2204	), (	---	PACE
MW-3	10/21/1993	36.53	18.84	---	17.69	370	2.1	2.3	2.3	6.0	847	), (	---	PACE
MW-3	01/27/1994	36.53	18.00	---	18.53	1300	6.3	ND<0.5	ND<0.5	ND<0.5	3892	), (	---	PACE
MW-3	04/21/1994	36.53	16.62	---	19.91	2000	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3864	), (	1.4	PACE
MW-3	09/09/1994	36.53	18.38	---	18.15	1300	ND<0.5	ND<0.5	0.5	1.2	---	(m)	3.0	PACE
MW-3	12/21/1994	36.53	15.28	---	21.25	420	16	0.7	3.5	5.9	800	(m)	1.9	PACE
MW-3	01/30/1995	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	04/10/1995	36.53	12.41	---	24.12	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		6.9	ATI
MW-3	06/29/1995	36.53	14.95	---	21.58	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		6.4	ATI
MW-3	09/18/1995	36.53	15.82	---	20.71	---	---	---	---	---	---		---	---
MW-3	09/19/1995	36.53	---	---	---	82	ND<0.50	ND<0.50	ND<0.50	ND<1.0	260		7.0	ATI
MW-3	12/07/1995	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	03/28/1996	36.53	11.90	---	24.63	ND<50	ND<0.5	ND<1	ND<1	ND<1	230		4.2	SPL
MW-3	06/20/1996	36.53	12.66	---	23.87	260	ND<0.5	ND<1	ND<1	ND<1	370		4.4	SPL
MW-3	10/11/1996	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	01/02/1997	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	04/14/1997	36.53	13.45	---	23.08	---	---	---	---	---	---		---	---
MW-3	04/15/1997	36.53	---	---	---	1500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1800		5.6	SPL
MW-3	07/02/1997	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	09/30/1997	36.53	17.16	---	19.37	40000	13000	2400	870	3100	510		6.6	SPL
MW-3	01/21/1998	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	04/09/1998	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	06/19/1998	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	06/19/1998	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	01/21/1999	36.53	14.67	---	21.86	1100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1200		---	SPL
MW-3	04/30/1999	36.53	16.00	---	20.53	---	---	---	---	---	---		---	---

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

WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-3	07/09/1999	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	11/03/1999	36.53	16.39	---	20.14	---	---	---	---	---	---	---	---
MW-3	01/12/2000	36.53	16.80	---	19.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	34	---	PACE
MW-3	04/13/2000	36.53	16.43	---	20.10	---	---	---	---	---	---	---	---
MW-3	07/26/2000	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	10/24/2000	36.53	15.69	---	20.84	---	---	---	---	---	---	---	---
MW-3	01/19/2001	36.53	14.84	---	21.69	ND<50	ND<0.5	ND<0.5	ND<0.5	0.996	25.9	---	PACE
MW-3	07/23/2001	36.53	15.11	---	21.42	62	ND<0.5	ND<0.5	ND<0.5	ND<1.5	28.7	---	PACE
MW-3	01/18/2002	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**

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

WELL ID		DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-1		04/05/1991	38.11	25.44	---	12.67	4100	1500	69	100	83	---		---	SUP
AW-1		04/01/1992	38.11	23.22	---	14.89	---	---	---	---	---	---		---	---
AW-1		04/02/1992	38.11	---	---	---	11000	1800	210	210	490	---		---	APP
AW-1		07/06/1992	38.11	24.89	---	13.22	6500	4000	40	290	530	---		---	ANA
AW-1		10/07/1992	38.11	26.55	---	11.56	4700	1500	41	47	300	---		---	ANA
QC-1	e	10/07/1992	---	---	---	---	2900	1200	25	37	210	---		---	ANA
AW-1		01/14/1993	38.11	23.73	---	14.38	2800	830	31	140	240	---	(m)	---	PACE
QC-1	e	01/14/1993	---	---	---	---	4100	1700	28	130	230	---	(m)	---	PACE
AW-1		04/22/1993	38.11		---	38.11	39000	14000	530	1800	6100	987	), (	---	PACE
AW-1		07/15/1993	38.11	22.50	---	15.61	6200	2200	28	210	540	838	), (	---	PACE
AW-1		10/21/1993	38.11	24.32	---	13.79	2400	820	13	55	120	832	), (	---	PACE
AW-1		01/27/1994	38.11	23.72	---	14.39	3500	1400	26	130	220	650	c), (n	---	PACE
AW-1		04/21/1994	38.11	22.48	---	15.63	40000	12000	1900	1600	5000	1119	(m)	1.4	PACE
AW-1		09/09/1994	38.11	23.04	---	15.07	3500	1600	5.0	200	250	---	(m)	2.1	PACE
QC-1	e	09/09/1994	---	---	---	---	3900	1900	5.5	190	240	---		---	PACE
AW-1		12/21/1994	38.11	21.70	---	16.41	7600	3100	36	370	320	855	(m)	1.6	PACE
AW-1		01/30/1995	38.11	17.71	---	20.40	35000	23000	650	3200	4100	---		1.7	ATI
AW-1		04/10/1995	38.11	20.04	---	18.07	60000	18000	2000	4300	11000	---		7.9	ATI
QC-1	e	04/10/1995	---	---	---	---	56000	17000	2000	3900	10000	---		---	ATI
AW-1		06/29/1995	38.11	20.60	---	17.51	72000	10000	7300	4200	15000	---		6.2	ATI
QC-1	e	06/29/1995	---	---	---	---	86000	12000	8400	4800	18000	---		---	ATI
AW-1		09/18/1995	38.11	21.87	---	16.24	---	---	---	---	---	---		---	---
AW-1		09/19/1995	38.11	---	---	---	65000	12000	3100	4400	14000	1000		8.5	ATI
AW-1		12/07/1995	38.11	22.06	---	16.05	25000	8700	ND<50	2500	1300	1100		2.9	ATI
AW-1		03/28/1996	38.11	16.91	---	21.20	24000	11000	ND<100	3200	3390	ND<1000		6.6	SPL
AW-1		06/20/1996	38.11	20.82	---	17.29	38000	6900	1100	3200	7300	ND<100		6.4	SPL
AW-1		10/11/1996	38.11	23.20	---	14.91	33000	8500	69	3300	4230	580		6.3	SPL
AW-1		01/02/1997	38.11	20.41	---	17.70	32000	8000	ND<50	3100	2300	700		6.7	SPL
AW-1		04/14/1997	38.11	21.61	---	16.50	---	---	---	---	---	---		---	---
AW-1		04/15/1997	38.11	---	---	---	31000	5000	160	2400	4540	340		5.4	SPL
AW-1		07/02/1997	38.11	21.17	---	16.94	26000	5800	ND<100	2600	2200	ND<1000		6.2	SPL
AW-1		09/30/1997	38.11	21.48	---	16.63	29000	9200	17	1400	130	560		6.9	SPL
AW-1		01/21/1998	38.11	20.02	---	18.09	50000	6900	450	3200	4450	720		5.8	SPL

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

WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-1	04/09/1998	38.11	13.37	---	24.74	---	---	---	---	---	---	---	---
AW-1	04/10/1998	38.11	---	---	---	46000	5800	1900	3000	7400	1000	4.3	SPL
AW-1	06/19/1998	38.11	19.12	---	18.99	42000	6600	200	3000	3350	660	4.9	SPL
QC-1	e 06/19/1998	---	---	---	---	43000	6800	260	3100	3490	620	---	SPL
AW-1	11/30/1998	38.11	21.13	---	16.98	23000	6700	ND<25	3100	130	710/820 (g)	---	SPL
AW-1	01/21/1999	38.11	20.77	---	17.34	25000	4800	54	2800	780	1000	---	SPL
AW-1	04/30/1999	38.11	20.80	---	17.31	21000	5300	67	2800	750	1500	---	SPL
AW-1	07/09/1999	38.11	20.41	---	17.70	11000	3000	ND<10	760	180	1300	---	SPL
AW-1	11/03/1999	38.11	20.82	---	17.29	---	---	---	---	---	---	---	---
AW-1	01/12/2000	38.11	19.99	---	18.12	330000	5300	10	2900	560	2200	---	PACE
AW-1	04/13/2000	38.11	20.14	---	17.97	---	---	---	---	---	---	---	---
AW-1	05/24/2000	38.11	20.17	---	17.94	---	---	---	---	---	---	---	---
AW-1	06/01/2000	38.11	23.05	---	15.06	---	---	---	---	---	---	---	---
AW-1	06/08/2000	38.11	17.08	---	21.03	---	---	---	---	---	---	---	---
AW-1	06/15/2000	38.11	16.93	---	21.18	---	---	---	---	---	---	---	---
AW-1	07/26/2000	38.11	20.07	---	18.04	15000	290	98	77	220	37000	---	PACE
AW-1	10/24/2000	38.11	20.10	---	18.01	---	---	---	---	---	---	---	---
AW-1	01/19/2001	38.11	19.82	---	18.29	7600	2220	10.9	415	58.4	1630	---	PACE
AW-1	07/24/2001	38.11	19.86	---	18.25	9600	2140	6.34	281	43	1440	---	PACE
AW-1	01/18/2002	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**

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

WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-2	04/05/1991	36.83	22.36	---	14.47	ND<50	ND<0.3	ND<0.3	ND<0.3	ND<0.3	---		---	SUP
AW-2	04/01/1992	36.83	20.81	---	16.02	---	---	---	---	---	---		---	---
AW-2	04/02/1992	36.83	---	---	---	130	25	2.3	0.7	2.1	---		---	APP
AW-2	07/06/1992	36.83	23.57	---	13.26	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-2	10/07/1992	36.83	25.24	---	11.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-2	01/14/1993	36.83	20.82	---	16.01	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-2	04/22/1993	36.83	19.37	---	17.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-2	07/15/1993	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	10/21/1993	36.83	23.14	---	13.69	ND<50	1.3	1.1	0.9	2.1	ND<5.0	(m)	---	PACE
AW-2	01/27/1994	36.83	22.34	---	14.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-2	04/21/1994	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	09/09/1994	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	12/21/1994	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	01/30/1995	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	04/10/1995	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	06/29/1995	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	09/18/1995	36.83	19.87	---	16.96	---	---	---	---	---	---		---	---
AW-2	09/19/1995	36.83	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		4.5	ATI
QC-1	e 09/19/1995	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
AW-2	12/07/1995	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	03/28/1996	36.83	15.61	---	21.22	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.1	SPL
AW-2	06/20/1996	36.83	16.30	---	20.53	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		5.2	SPL
AW-2	10/11/1996	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	01/02/1997	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	04/14/1997	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	07/02/1997	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	09/30/1997	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	01/21/1998	36.83	14.46	---	22.37	160	13	ND<1.0	ND<1.0	ND<1.0	110		4.9	SPL
AW-2	04/09/1998	36.83	12.85	---	23.98	---	---	---	---	---	---		---	---
AW-2	04/10/1998	36.83	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		3.9	SPL
AW-2	06/19/1998	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	11/30/1998	36.83	16.90	---	19.93	---	---	---	---	---	---		---	---
AW-2	01/21/1999	36.83	16.87	---	19.96	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0		---	SPL

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WELL ID		DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-2		04/30/1999	36.83	17.01	---	19.82	---	---	---	---	---	---	---	---
AW-2		07/09/1999	36.83	17.83	---	19.00	---	---	---	---	---	---	---	---
AW-2		11/03/1999	36.83	19.74	---	17.09	---	---	---	---	---	---	---	---
AW-2		01/12/2000	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		04/13/2000	36.83	19.75	---	17.08	---	---	---	---	---	---	---	---
AW-2		07/26/2000	36.83	19.86	---	16.97	---	---	---	---	---	---	---	---
AW-2		10/24/2000	36.83	18.77	---	18.06	---	---	---	---	---	---	---	---
AW-2	f	01/19/2001	36.83	---	---	---	---	---	---	---	---	---	---	---
AW-2	f	07/24/2001	36.83	---	---	---	---	---	---	---	---	---	---	---
AW-2		01/18/2002	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**	---	---	---	---	---	---	---	---

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2220 98th Avenue, Oakland, CA

WELL ID		DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-3		04/05/1991	39.13	23.90	---	15.23	5200	980	450	95	310	---		---	SUP
AW-3		04/01/1992	39.13	22.50	---	16.63	4700	890	47	43	110	---		---	APP
AW-3		07/06/1992	39.13	23.26	---	15.87	3900	3100	30	80	99	---		---	ANA
AW-3		10/07/1992	39.13	24.75	---	14.38	5000	2600	ND<0.5	ND<0.5	59	---		---	ANA
AW-3		01/14/1993	39.13	23.59	---	15.54	350	250	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-3		04/22/1993	39.13	19.42	---	19.71	240	71	2.4	0.6	4.0	---	(m)	---	PACE
AW-3		07/15/1993	39.13	20.09	---	19.04	650	71	2.8	1.5	1.1	37.3	), (	---	PACE
AW-3		10/21/1993	39.13	21.88	---	17.25	160	4.8	1.7	1.6	3.6	8.95	(m)	---	PACE
QC-1	e	10/21/1993	---	---	---	---	170	6.1	2.0	1.7	4.4	---		---	PACE
AW-3		01/27/1994	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	01/27/1994	---	---	---	---	90	2.9	0.5	ND<0.5	ND<0.5	---		---	PACE
AW-3		04/21/1994	39.13	20.96	---	18.17	150	3.6	0.8	0.9	2.5	9.36	(m)	1.3	PACE
AW-3		09/09/1994	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	12/21/1994	39.13	---	---	---	---	---	---	---	---	---		---	---
AW-3	f	01/30/1995	39.13	---	---	---	---	---	---	---	---	---		---	---
AW-3	f	04/10/1995	39.13	---	---	---	---	---	---	---	---	---		---	---
AW-3		06/29/1995	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		09/18/1995	39.13	17.83	---	21.30	---	---	---	---	---	---		---	---
AW-3		09/19/1995	39.13	---	---	---	61000	11000	2900	4100	13000	790		7.4	ATI
AW-3		12/07/1995	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	12/07/1995	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
AW-3		03/28/1996	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	03/28/1996	---	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL
AW-3		06/20/1996	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	06/20/1996	---	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL
AW-3		10/11/1996	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	10/11/1996	---	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	SPL
AW-3		01/02/1997	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		04/14/1997	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	04/15/1997	---	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	SPL
AW-3		07/02/1997	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		09/30/1997	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		01/21/1998	39.13	11.98	---	27.15	140	ND<0.5	ND<1.0	ND<1.0	ND<1.0	99		4.6	SPL

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

WELL ID		DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
QC-1	e	01/21/1998	---	---	---	---	150	ND<0.5	ND<1.0	ND<1.0	1.2	110	---	SPL
AW-3		04/09/1998	39.13	9.45	---	29.68	---	---	---	---	---	---	---	---
AW-3		04/10/1998	39.13	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	1.6	ND<10	4.5	SPL
QC-1	e	04/10/1998	---	---	---	---	ND<50	ND<0.5	ND<1.0	1.4	1.7	ND<10	---	SPL
AW-3		06/19/1998	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		11/30/1998	39.13	15.91	---	23.22	---	---	---	---	---	---	---	---
AW-3		01/21/1999	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		04/30/1999	39.13	15.98	---	23.15	---	---	---	---	---	---	---	---
AW-3		07/09/1999	39.13	14.58	---	24.55	---	---	---	---	---	---	---	---
AW-3		11/03/1999	39.13	17.43	---	21.70	---	---	---	---	---	---	---	---
AW-3		01/12/2000	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		04/13/2000	39.13	18.89	---	20.24	---	---	---	---	---	---	---	---
AW-3		07/26/2000	39.13	18.67	---	20.46	---	---	---	---	---	---	---	---
AW-3		10/24/2000	39.13	18.98	---	20.15	---	---	---	---	---	---	---	---
AW-3		01/19/2001	39.13	16.74	---	22.39	---	---	---	---	---	---	---	---
AW-3		07/24/2001	39.13	18.55	---	20.58	---	---	---	---	---	---	---	---
AW-3		01/18/2002	39.13	14.49	---	24.64	---	---	---	---	---	---	---	---
AW-3		**8/1/2002***	**39.13**	**14.27**	---	**24.86**	---	---	---	---	---	---	---	---

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

WELL ID		DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-4		04/05/1991	39.08	25.12	---	13.96	110000	40000	13000	2000	5500	---		---	SUP
AW-4		04/01/1992	39.08	23.56	---	15.52	230000	57000	31000	2900	7600	---		---	APP
QC-1	e	04/01/1992	---	---	---	---	210000	55000	23000	2900	7000	---		---	APP
AW-4		07/06/1992	39.08	25.87	---	13.21	38000	16000	5400	2000	6100	---		---	ANA
AW-4		10/07/1992	39.08	27.53	---	11.55	120000	41000	26000	4700	13000	---		---	ANA
AW-4		01/14/1993	39.08	24.12	---	14.96	62000	18000	14000	2700	7700	1400	), (	---	PACE
AW-4		04/22/1993	39.08	21.47	---	17.61	18000	1100	2100	320	3500	---	(m)	---	PACE
AW-4		07/15/1993	39.08	23.30	---	15.78	21000	820	2300	590	3800	1978	), (	---	PACE
AW-4		10/21/1993	39.08	25.08	---	14.00	11000	570	83	630	2300	4600	), (	---	PACE
AW-4		01/27/1994	39.08	24.61	---	14.47	12000	420	460	600	2200	6400	), (	---	PACE
AW-4		04/21/1994	39.08	22.96	---	16.12	12000	110	250	150	1900	16010	), (	1.5	PACE
QC-1	e	04/21/1994	---	---	---	---	14000	71	160	29	1200	13000	(c)	---	PACE
AW-4		09/09/1994	39.08	23.85	---	15.23	9700	75	64	280	2000	---	(m)	2.1	PACE
AW-4	f	12/21/1994	39.08	---	---	---	---	---	---	---	---	---		---	---
AW-4	f	01/30/1995	39.08	---	---	---	---	---	---	---	---	---		---	---
AW-4		04/10/1995	39.08	18.07	---	21.01	3700	69	8.7	44	130	---		8.5	ATI
AW-4		06/29/1995	39.08	19.25	---	19.83	8000	62	190	190	1100	---		7.5	ATI
AW-4		09/18/1995	39.08	20.73	---	18.35	---	---	---	---	---	---		---	---
AW-4		09/19/1995	39.08	---	---	---	12000	660	1600	200	1900	7100		8.3	ATI
AW-4		12/07/1995	39.08	22.49	---	16.59	41000	8400	7200	710	6300	5200		3.6	ATI
AW-4	f	03/28/1996	39.08	16.49	---	22.59	---	---	---	---	---	---		---	---
AW-4		06/20/1996	39.08	16.00	---	23.08	ND<50	ND<0.5	ND<1	ND<1	ND<1	12		---	SPL
AW-4		10/11/1996	39.08	19.52	---	19.56	36000	12000	5500	ND<25	3800	880/1000	(g)	6.2	SPL
AW-4		01/02/1997	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	01/02/1997	---	---	---	---	ND<50	61	3.8	3.5	8.1	110		---	SPL
AW-4		04/14/1997	39.08	17.01	---	22.07	---	---	---	---	---	---		---	---
AW-4		04/15/1997	39.08	---	---	---	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		5.4	SPL
AW-4		07/02/1997	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	09/30/1997	39.08	22.71	---	16.37	---	---	---	---	---	---		---	---
AW-4		01/21/1998	39.08	15.89	---	23.19	13000	2900	ND<10	230	314	3100		3.9	SPL
AW-4		04/09/1998	39.08	13.50	---	25.58	---	---	---	---	---	---		---	---
AW-4		04/10/1998	39.08	---	---	---	890	ND<0.5	ND<1	ND<1	ND<1	730		4.9	SPL
AW-4		06/19/1998	39.08	14.75	---	24.33	60	ND<0.5	ND<1.0	ND<1.0	ND<1.0	34		4.3	SPL

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WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-4	11/30/1998	39.08	19.25	---	19.83	---	---	---	---	---	---	---	---
AW-4	01/21/1999	39.08	18.94	---	20.14	3700	830	93	200	360	30	---	---
AW-4	04/30/1999	39.08	19.10	---	19.98	---	---	---	---	---	---	---	---
AW-4	07/09/1999	39.08	18.93	---	20.15	76000	12000	6600	2000	8700	320	---	SPL
AW-4	11/03/1999	39.08	20.65	---	18.43	---	---	---	---	---	---	---	---
AW-4	01/12/2000	39.08	21.21	---	17.87	67000	12000	3500	2900	15000	280	---	PACE
AW-4	04/13/2000	39.08	21.33	---	17.75	---	---	---	---	---	---	---	---
AW-4	05/24/2000	39.08	19.84	---	19.24	---	---	---	---	---	---	---	---
AW-4	06/01/2000	39.08	19.04	---	20.04	---	---	---	---	---	---	---	---
AW-4	06/08/2000	39.08	18.32	---	20.76	---	---	---	---	---	---	---	---
AW-4	06/15/2000	39.08	16.70	---	22.38	---	---	---	---	---	---	---	---
AW-4	07/26/2000	39.08	21.50	---	17.58	910	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3500	---	PACE
AW-4	10/24/2000	39.08	22.00	---	17.08	---	---	---	---	---	---	---	---
AW-4	01/19/2001	39.08	18.97	---	20.11	6600	2460	24	497	534	267	---	PACE
AW-4	07/24/2001	39.08	18.55	---	20.53	5100	1080	143	409	827	115	---	PACE
AW-4	01/18/2002	39.08	17.22	---	21.86	3900	442	241	157	681	85.3	---	PACE
AW-4	**f 8/1/2002***	**39.08**	---	---	---	---	---	---	---	---	---	---	---

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Former BP Service Station #11133
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WELL ID		DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-5		04/05/1991	38.51	25.48	---	13.03	420	31	7.5	20	68	---		---	SUP
AW-5		04/01/1992	38.51	23.95	---	14.56	---	---	---	---	---	---		---	---
AW-5		04/02/1992	38.51	---	---	---	4000	270	63	190	290	---		---	APP
AW-5		07/06/1992	38.51	26.48	---	12.03	1400	160	ND<2.5	250	58	---		---	ANA
AW-5		10/07/1992	38.51	28.18	---	10.33	360	12	0.6	8.7	5	---		---	ANA
AW-5		01/14/1993	38.51	24.15	---	14.36	1700	270	7.5	130	62	---	(m)	---	PACE
AW-5		04/22/1993	38.51	22.43	---	16.08	2700	780	30	220	180	---	(m)	---	PACE
QC-1	e	04/22/1993	---	---	---	---	3500	780	29	240	210	---	(m)	---	PACE
AW-5		07/15/1993	38.51	24.31	---	14.20	1300	69	16	67	120	ND<50	(m)	---	PACE
QC-1	e	07/15/1993	---	---	---	---	1300	68	8.3	64	99	ND<50	(m)	---	PACE
AW-5		10/21/1993	38.51	26.05	---	12.46	510	9.6	1.5	17	45	75	), (	---	PACE
AW-5		01/27/1994	38.51	26.42	---	12.09	420	3.3	ND<0.5	1.0	0.9	48.9	(m)	---	PACE
AW-5		04/21/1994	38.51	24.36	---	14.15	1000	110	25	56	27	75	), (	1.3	PACE
AW-5		09/09/1994	38.51	24.55	---	13.96	210	ND<0.5	ND<0.5	0.5	0.9	---	(m)	2.7	PACE
AW-5		12/21/1994	38.51	22.30	---	16.21	410	ND<0.5	20	4.3	1.4	114	(m)	1.1	PACE
QC-1	e	12/21/1994	---	---	---	---	340	ND<0.5	15	3.3	1.4	104	(m)	---	PACE
AW-5		01/30/1995	38.51	18.88	---	19.63	210	0.6	11	8.8	2	---		1.5	ATI
AW-5		04/10/1995	38.51	18.44	---	20.07	500	1.4	0.59	6.5	4.3	---		8.3	ATI
AW-5		06/29/1995	38.51	19.92	---	18.59	490	1.2	0.58	7.3	2.2	---		6.9	ATI
AW-5		09/18/1995	38.51	22.15	---	16.36	---	---	---	---	---	---		---	---
AW-5		09/19/1995	38.51	---	---	---	260	0.62	ND<0.50	3.1	1.1	110		8.2	ATI
AW-5		12/07/1995	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		03/28/1996	38.51	17.76	---	20.75	ND<50	ND<0.5	ND<1	ND<1	ND<1	63		3.0	SPL
AW-5		06/20/1996	38.51	18.46	---	20.05	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.6	SPL
AW-5		10/11/1996	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		01/02/1997	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		04/14/1997	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		07/02/1997	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		09/30/1997	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		01/21/1998	38.51	17.33	---	21.18	6100	ND<0.5	2.1	ND<1.0	ND<1.0	3700		4.5	SPL
AW-5		04/09/1998	38.51	15.25	---	23.26	---	---	---	---	---	---		---	---
AW-5		04/10/1998	38.51	---	---	---	3500	ND<0.5	ND<1.0	ND<1.0	ND<1.0	3000		5.4	SPL
AW-5		06/19/1998	38.51	17.39	---	21.12	3300	ND<0.5	ND<1.0	ND<1.0	ND<1.0	2500		5.2	SPL

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WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-5 f	11/30/1998	38.51	---	---	---	---	---	---	---	---	---	---	---
AW-5	01/21/1999	38.51	21.22	---	17.29	2800	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1800	---	SPL
AW-5	04/30/1999	38.51	21.50	---	17.01	---	---	---	---	---	---	---	---
AW-5	07/09/1999	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	11/03/1999	38.51	22.04	---	16.47	---	---	---	---	---	---	---	---
AW-5	01/12/2000	38.51	22.59	---	15.92	1000 j	7.3	30	6.7	40	4600	---	PACE
AW-5	04/13/2000	38.51	23.11	---	15.40	---	---	---	---	---	---	---	---
AW-5	07/26/2000	38.51	22.72	---	15.79	1800	94	35	5.9	27	16000	---	PACE
AW-5	10/24/2000	38.51	20.15	---	18.36	---	---	---	---	---	---	---	---
AW-5	01/19/2001	38.51	19.79	---	18.72	2600	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4580	---	PACE
AW-5	07/24/2001	38.51	20.17	---	18.34	5400	18.4	17.2	ND<12.5	40.8	5170	---	PACE
AW-5	01/18/2002	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**

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Former BP Service Station #11133
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WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-6	04/05/1991	37.08	22.48	---	14.60	1100	80	19	1.4	230	---		---	SUP
AW-6	04/01/1992	37.08	22.50	---	14.58	---	---	---	---	---	---		---	---
AW-6	04/02/1992	37.08	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	APP
AW-6	07/06/1992	37.08	22.74	---	14.34	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-6	10/07/1992	37.08	24.64	---	12.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-6	01/14/1993	37.08	22.36	---	14.72	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-6	04/22/1993	37.08	22.82	---	14.26	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-6	07/15/1993	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	10/21/1993	37.08	22.84	---	14.24	ND<50	0.5	0.6	ND<0.5	0.7	ND<5.0	(m)	---	PACE
AW-6	01/27/1994	37.08	22.33	---	14.75	ND<50	ND<0.5	0.9	3.1	12	ND<5.0	(m)	---	PACE
AW-6	04/21/1994	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	09/09/1994	37.08	21.57	---	15.51	ND<50	0.9	ND<0.5	ND<0.5	0.5	---	(m)	2.9	PACE
AW-6	12/21/1994	37.08	19.40	---	17.68	ND<50	1.8	0.8	0.8	3.2	5.19	(m)	1.1	PACE
AW-6	01/30/1995	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	01/30/1995	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
AW-6	04/10/1995	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	06/29/1995	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	09/18/1995	37.08	19.65	---	17.43	---	---	---	---	---	---		---	---
AW-6	09/19/1995	37.08	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	25		8.3	ATI
AW-6	12/07/1995	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	03/28/1996	37.08	14.99	---	22.09	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.0	SPL
AW-6	06/20/1996	37.08	15.59	---	21.49	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		4.6	SPL
AW-6	10/11/1996	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	01/02/1997	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	04/14/1997	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	07/02/1997	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	09/30/1997	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	01/21/1998	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	04/09/1998	37.08	13.31	---	23.77	---	---	---	---	---	---		---	---
AW-6	04/10/1998	37.08	---	---	---	370	ND<0.5	ND<1.0	ND<1.0	ND<1.0	300		4.3	SPL
AW-6	06/19/1998	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	11/30/1998	37.08	---	---	---	---	---	---	---	---	---		---	---

Table 1
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Former BP Service Station #11133
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WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-6	01/21/1999	37.08	15.78	---	21.30	2300	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1900	---	SPL
AW-6	04/30/1999	37.08	16.01	---	21.07	---	---	---	---	---	---	---	---
AW-6	07/09/1999	37.08	17.63	---	19.45	---	---	---	---	---	---	---	---
AW-6	11/03/1999	37.08	18.42	---	18.66	---	---	---	---	---	---	---	---
AW-6	01/12/2000	37.08	19.92	---	17.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2700	---	PACE
AW-6	04/13/2000	37.08	19.87	---	17.21	---	---	---	---	---	---	---	---
AW-6	07/26/2000	37.08	19.99	---	17.09	---	---	---	---	---	---	---	---
AW-6	10/24/2000	37.08	18.12	---	18.96	---	---	---	---	---	---	---	---
AW-6	01/19/2001	37.08	17.04	---	20.04	2700	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4850	---	PACE
AW-6	07/24/2001	37.08	17.83	---	19.25	---	---	---	---	---	---	---	---
AW-6	01/18/2002	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**	---	---	---	---	---	---	---	---

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

WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-7	04/05/1991	37.60	23.38	---	14.22	ND<50	0.4	0.7	ND<0.3	ND<0.3	---		---	SUP
AW-7	04/01/1992	37.60	21.92	---	15.68	---	---	---	---	---	---		---	---
AW-7	04/02/1992	37.60	---	---	---	ND<50	ND<0.5	3.2	1.0	5.4	---		---	APP
AW-7	07/06/1992	37.60	24.50	---	13.10	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-7	10/07/1992	37.60	26.18	---	11.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-7	01/14/1993	37.60	22.03	---	15.57	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-7	04/22/1993	37.60	21.18	---	16.42	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-7	07/15/1993	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	10/21/1993	37.60	24.05	---	13.55	51	5.0	4.2	3.5	8.2	ND<5.0	(m)	---	PACE
AW-7	01/27/1994	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	04/21/1994	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	09/09/1994	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	12/21/1994	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	01/30/1995	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	04/10/1995	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	06/29/1995	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	09/18/1995	37.60	20.68	---	16.92	---	---	---	---	---	---		---	---
AW-7	09/19/1995	37.60	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		5.1	ATI
AW-7	12/07/1995	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	03/28/1996	37.60	16.38	---	21.22	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.9	SPL
AW-7	06/20/1996	37.60	17.02	---	20.58	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		5.0	SPL
AW-7	10/11/1996	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	01/02/1997	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	04/14/1997	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	07/02/1997	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	09/30/1997	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	01/21/1998	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	04/09/1998	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	06/19/1998	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	11/30/1998	37.60	18.90	---	18.70	---	---	---	---	---	---		---	---
AW-7	01/21/1999	37.60	18.39	---	19.21	---	---	---	---	---	---		---	---

Table 1
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WELL ID		DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-7		04/30/1999	37.60	18.54	---	19.06	---	---	---	---	---	---	---	---
AW-7		07/09/1999	37.60	17.98	---	19.62	---	---	---	---	---	---	---	---
AW-7		11/03/1999	37.60	20.22	---	17.38	---	---	---	---	---	---	---	---
AW-7		01/12/2000	37.60	19.46	---	18.14	---	---	---	---	---	---	---	---
AW-7		04/13/2000	37.60	19.59	---	18.01	---	---	---	---	---	---	---	---
AW-7		07/26/2000	37.60	19.69	---	17.91	---	---	---	---	---	---	---	---
AW-7		10/24/2000	37.60	18.78	---	18.82	---	---	---	---	---	---	---	---
AW-7	f	01/19/2001	37.60	---	---	---	---	---	---	---	---	---	---	---
AW-7	f	07/25/2001	37.60	---	---	---	---	---	---	---	---	---	---	---
AW-7	o	01/18/2002	37.60	---	---	---	---	---	---	---	---	---	---	---
AW-7	**o**	**8/1/2002***	**37.60**	---	---	---	---	---	---	---	---	---	---	---

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Groundwater Elevation and Analytical Data
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WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
AW-8	04/05/1991	40.86	26.68	---	14.18	80	1.9	2.2	0.5	1.3	---		---	SUP
AW-8	04/01/1992	40.86	25.11	---	15.75	73	ND<0.5	0.7	ND<0.5	0.6	---		---	APP
AW-8	07/06/1992	40.86	26.43	---	14.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-8	10/07/1992	40.86	28.59	---	12.27	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
AW-8	01/14/1993	40.86	25.55	---	15.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-8	04/22/1993	40.86	22.29	---	18.57	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
AW-8	07/15/1993	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	10/21/1993	40.86	25.15	---	15.71	ND<50	1.9	1.8	1.3	3.3	ND<5.0	(m)	---	PACE
AW-8	01/27/1994	40.86	25.42	---	15.44	ND<50	ND<0.5	0.5	0.6	8.5	ND<5.0	(m)	---	PACE
AW-8	04/21/1994	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	09/09/1994	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	12/21/1994	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	01/30/1995	40.86	19.75	---	21.11	ND<50	ND<0.50	1	ND<0.50	1	---		0.8	ATI
AW-8	04/10/1995	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	06/29/1995	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	09/18/1995	40.86	20.20	---	20.66	---	---	---	---	---	---		---	---
AW-8	09/19/1995	40.86	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		7.7	ATI
AW-8	12/07/1995	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	03/28/1996	40.86	15.77	---	25.09	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.8	SPL
AW-8	06/20/1996	40.86	16.41	---	24.45	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		3.6	SPL
AW-8	10/11/1996	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	01/02/1997	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	04/14/1997	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	07/02/1997	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	09/30/1997	40.86	22.52	---	18.34	ND<50	ND<5	ND<10	ND<10	ND<10	820		6.7	SPL
AW-8	01/21/1998	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	04/09/1998	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	06/19/1998	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	11/30/1998	40.86	17.46	---	23.40	---	---	---	---	---	---		---	---
AW-8	01/21/1999	40.86	17.47	---	23.39	---	---	---	---	---	---		---	---
AW-8	04/30/1999	40.86	17.60	---	23.26	---	---	---	---	---	---		---	---
AW-8	07/09/1999	40.86	16.50	---	24.36	---	---	---	---	---	---		---	---

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WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
AW-8	11/03/1999	40.86	19.29	---	21.57	---	---	---	---	---	---	---	---
AW-8	01/12/2000	40.86	21.49	---	19.37	---	---	---	---	---	---	---	---
AW-8	04/13/2000	40.86	21.60	---	19.26	---	---	---	---	---	---	---	---
AW-8	07/26/2000	40.86	21.53	---	19.33	---	---	---	---	---	---	---	---
AW-8	10/24/2000	40.86	19.37	---	21.49	---	---	---	---	---	---	---	---
AW-8	01/19/2001	40.86	18.60	---	22.26	---	---	---	---	---	---	---	---
AW-8	07/24/2001	40.86	18.22	---	22.64	---	---	---	---	---	---	---	---
AW-8	01/18/2002	40.86	16.29	---	24.57	---	---	---	---	---	---	---	---
AW-8	**8/1/2002***	**40.86**	**17.25**	---	**23.61**	---	---	---	---	---	---	---	---
AW-9	01/02/1997	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	04/14/1997	37.78	---	---	---	---	---	---	---	---	---	---	---
AW-9	07/02/1997	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	09/30/1997	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	01/21/1998	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	04/09/1998	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	06/19/1998	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

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RW-1		04/05/1991	37.73	---	---	---	---	---	---	---	---	---	---	---
RW-1		04/01/1992	37.73	22.81	0.30	15.15	---	---	---	---	---	---	---	---
RW-1		07/06/1992	37.73	26.92	0.41	11.12	---	---	---	---	---	---	---	---
RW-1		10/07/1992	37.73	28.51	1.26	10.17	---	---	---	---	---	---	---	---
RW-1		01/14/1993	37.73	23.75	0.25	14.17	---	---	---	---	---	---	---	---
RW-1		04/22/1993	37.73	22.70	1.38	16.07	---	---	---	---	---	---	---	---
RW-1		07/15/1993	37.73	26.10	0.81	12.24	---	---	---	---	---	---	---	---
RW-1		10/21/1993	37.73	25.40	0.49	12.70	---	---	---	---	---	---	---	---
RW-1		10/21/1993	37.73	25.40	0.49	12.70	---	---	---	---	---	---	---	---
RW-1		01/27/1994	37.73	28.02	0.37	9.99	---	---	---	---	---	---	---	---
RW-1		04/21/1994	37.73	23.10	0.91	15.31	---	---	---	---	---	---	---	---
RW-1		09/09/1994	37.73	24.39	1.04	14.12	---	---	---	---	---	---	---	---
RW-1	h	12/21/1994	37.73	---	---	---	---	---	---	---	---	---	---	---
RW-1		12/07/1995	37.73	25.71	1.04	12.80	150000	34000	35000	4300	21000	2700	---	ATI
RW-1		03/28/1996	37.73	16.75	0.18	21.12	---	---	---	---	---	---	---	---
RW-1	h	06/20/1996	37.73	25.10	0.02	12.65	---	---	---	---	---	---	---	---
RW-1		10/11/1996	37.73	25.51	0.00	12.22	130000	20000	32000	2800	20700	1400/1200 (g)	7.4	SPL
RW-1		01/02/1997	37.73	24.49	0.01	13.25	---	---	---	---	---	---	---	---
RW-1		04/14/1997	37.73	23.99	0.04	13.77	---	---	---	---	---	---	---	---
RW-1		04/15/1997	37.73	---	---	---	1800000	38000	190000	48000	281000	ND<25000	---	SPL
RW-1		07/02/1997	37.73	16.40	0.20	21.48	140000	19000	55000	4400	32400	ND<10000	5.7	SPL
QC-1	e	07/02/1997	---	---	---	---	130000	19000	54000	4700	33400	ND<10000	---	SPL
RW-1		09/30/1997	37.73	27.97	0.02	9.78	110000	13000	22000	2000	12500	1100	7.0	SPL
QC-1	e	09/30/1997	---	---	---	---	140000	17000	29000	2500	15900	1200	---	SPL
RW-1		01/21/1998	37.73	14.14	0.44	23.92	270000	21000	48000	3500	25000	1100	4.8	SPL
RW-1		04/09/1998	37.73	25.01	0.05	12.76	---	---	---	---	---	---	---	---
RW-1		04/10/1998	37.73	---	---	---	220000	26000	46000	4400	24500	ND<2500	5.1	SPL
RW-1		06/19/1998	37.73	11.43	---	26.30	180000	19000	32000	3000	17400	ND<2500	4.6	SPL
RW-1		11/30/1998	37.73	7.87	---	29.86	---	---	---	---	---	---	---	---
RW-1		01/21/1999	37.73	18.90	0.03	18.85	260000	24000	46000	5100	30000	1700	---	SPL
RW-1		07/09/1999	37.73	18.58	0.26	19.36	---	---	---	---	---	---	---	---
RW-1		11/03/1999	37.73	20.85	0.60	17.36	160000	19000	37000	3800	25000	1500	---	PACE
RW-1		01/12/2000	37.73	21.20	0.23	16.71	240000	18000	46000	5800	26000	2100	---	PACE
RW-1		04/13/2000	37.73	21.71	0.11	16.11	120000	2100	33000	2800	28000	1500	---	PACE

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

WELL ID		DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		DO (ppm)	LAB
RW-1		05/24/2000	37.73	21.89	0.24	16.03	---	---	---	---	---	---		---	---
RW-1		06/01/2000	37.73	16.30	0.01	21.44	---	---	---	---	---	---		---	---
RW-1		06/08/2000	37.73	17.88	0.20	20.01	---	---	---	---	---	---		---	---
RW-1		06/15/2000	37.73	16.72	0.04	21.04	---	---	---	---	---	---		---	---
RW-1		06/20/2000	37.73	21.04	0.20	16.85	---	---	---	---	---	---		---	---
RW-1		07/07/2000	37.73	17.21	0.01	20.53	---	---	---	---	---	---		---	---
RW-1		07/20/2000	37.73	21.87	0.18	16.00	---	---	---	---	---	---		---	---
RW-1		07/26/2000	37.73	21.45	0.13	16.38	67000	160	5300	2100	18000	1100		---	PACE
RW-1		07/31/2000	37.73	22.11	---	15.62	---	---	---	---	---	---		---	---
RW-1		08/08/2000	37.73	17.80	0.01	19.94	---	---	---	---	---	---		---	---
RW-1		08/16/2000	37.73	17.92	---	19.81	---	---	---	---	---	---		---	---
RW-1		08/23/2000	37.73	18.11	0.02	19.64	---	---	---	---	---	---		---	---
RW-1		10/24/2000	37.73	18.93	---	18.80	---	---	---	---	---	---		---	---
RW-1	k	10/25/2000	37.73	19.04	---	18.69	360000	18000	78000	34000	180000	2100		---	PACE
RW-1		01/19/2001	37.73	18.19	0.05	19.58	110000	9450	19600	3510	21100	1270		---	PACE
RW-1	(l	07/24/2001	37.73	17.93	---	19.80	---	---	---	---	---	---		---	---
RW-1		01/18/2002	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**
QC-2	(i	10/07/1992	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	ANA
QC-2	(i	01/14/1993	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
QC-2	(i	04/22/1993	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(m)	---	PACE
QC-2	(i	07/15/1993	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(m)	---	PACE
QC-2	(i	10/21/1993	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i	01/27/1994	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i	04/21/1994	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i	09/09/1994	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i	12/21/1994	---	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---		---	PACE
QC-2	(i	01/30/1995	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
QC-2	(i	04/10/1995	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
QC-2	(i	06/27/1995	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	ATI
QC-2	(i	09/19/1995	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
QC-2	(i	12/07/1995	---	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	ATI
QC-2	(i	03/28/1996	---	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL
QC-2	(i	06/20/1996	---	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	SPL

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

WELL ID	DATE OF MONITORING/ SAMPLING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (Feet)	GW ELEVATION (b) (Feet)	TPH-G (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB

ABBREVIATIONS:

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

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.

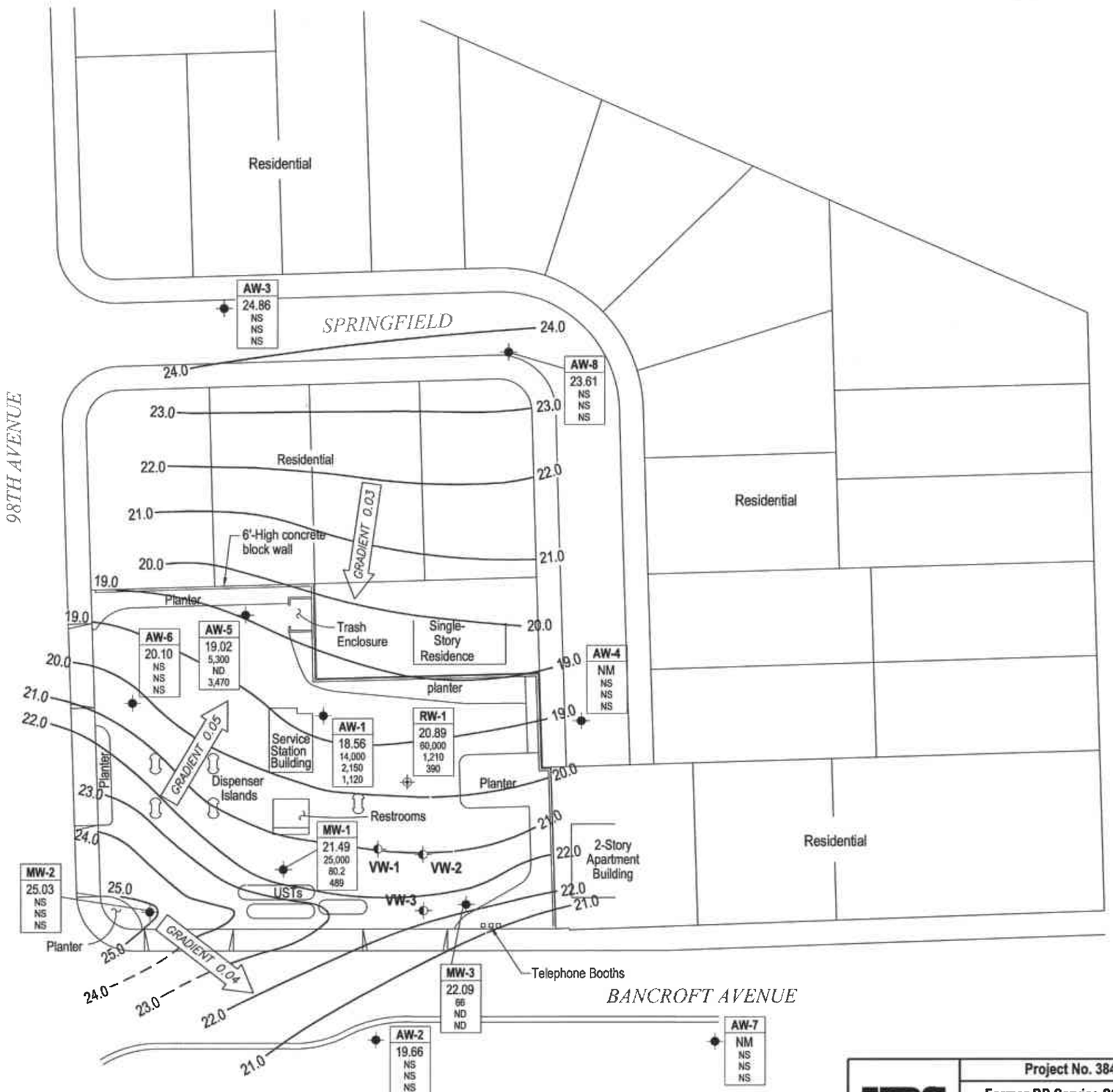
(m A copy of the documentation for this data is included in Blaine Tech Services, Inc., Report 010724-B-2. The data for sampling events January 14, 1993 and April 22, 1993 has been destroyed. No chromatograms could be located for samples AW-2 on January 27, 1994, and for samples AW-1, AW-2, AW-3, AW-4,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

* 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.



EXPLANATION

- AW-1 — Monitoring Well
- SB-1 — Vapor Extraction Well
- SB-1 — Combined Groundwater Recovery/ Vapor Extraction Well
- GRADIENT 0.03 — Groundwater Flow Gradient and Direction
- 22.0 — Groundwater Elevation Contour Dashed Where Inferred (Feet above MSL)
- Well — Well Designation
- ELEV — Groundwater Elevation (MSL)
- TPH-g, Benzene, MTBE — TPH-g, Benzene and MTBE Concentrations in Micrograms Per Liter (µg/L)
- NM — Not Measured
- NS — Not Sampled

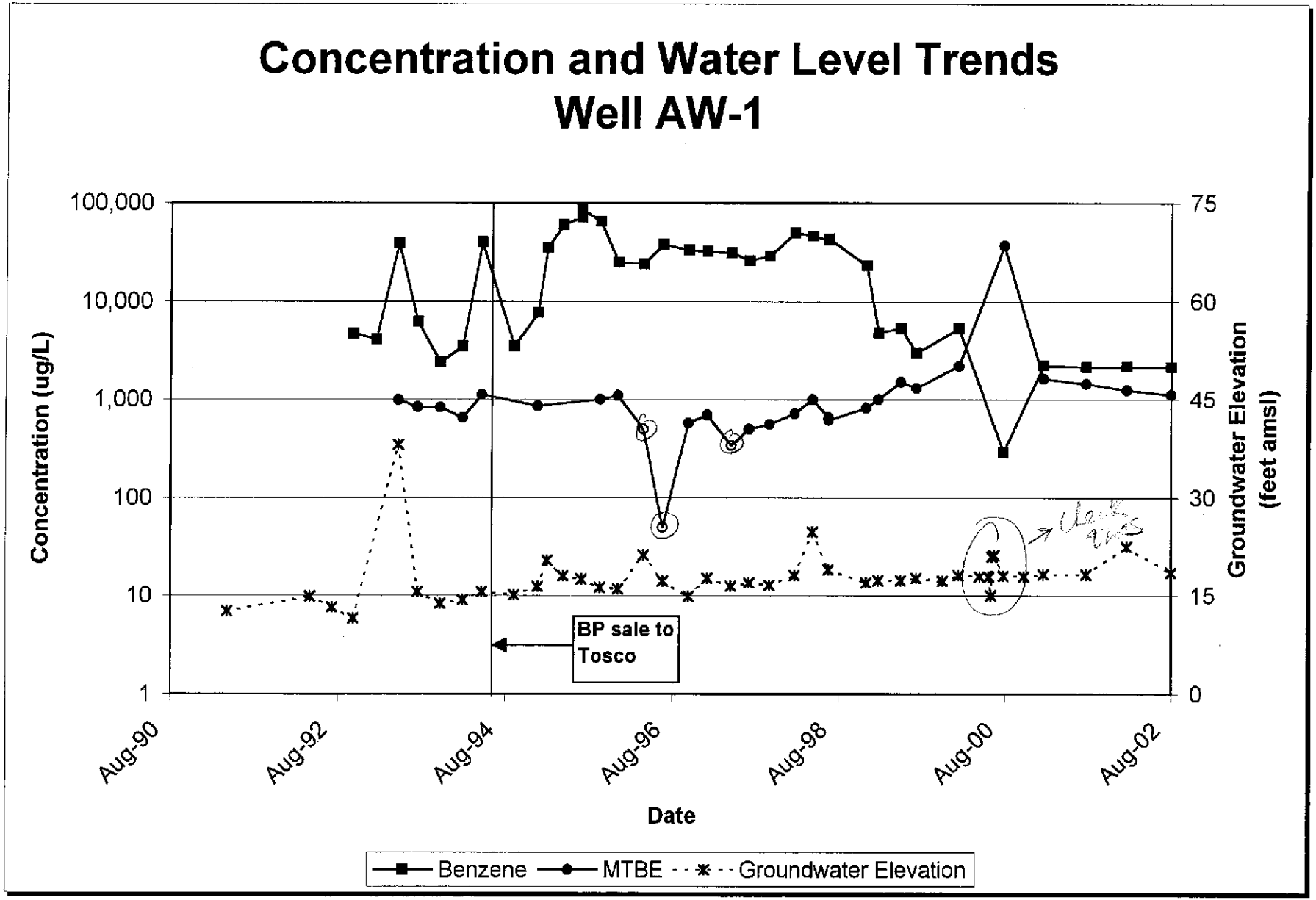
NOTES: WELL AW-4 WAS NOT INACCESSIBLE AND WELL AW-7 COULD NOT BE LOCATED.
SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES.
SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38485987 Former BP Service Station #11133 2220 98th Avenue Oakland, California	Groundwater Elevation Contour and Analytical Summary Map Third Quarter 2002 (August 1, 2002)	FIGURE 1

X:\x_env_waste\BP GEM\Sites\Niles Sites\11133\Reports\Monitoring\Qtr 3,2002\Drawings\GWEC-AS_8-1.dwg

ATTACHMENT A

CONCENTRATION AND WATER LEVEL TRENDS



Graph 1

URS Corporation

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

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 # 020531-DW-3 Date 5-31-07 Client BP 11133

Site BP 11133 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	6	-	-	-	-	15.58	37.30	TOC	

BP WELL MONITORING DATA SHEET

Project #: 020531-010-3	Station # 11133
Sampler: Dave Walker	Date: 5-31-02
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth:	Depth to Water: 15.55
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: _____

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	no	product	detected	using interphase probe	

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Pace	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

BP WELL MONITORING DATA SHEET

Project #: 020620-DW-#3	Station # 11133
Sampler: Dave Walter	Date: 6-30-02
Well I.D.: RW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: —	Depth to Water: 16.12
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: ___

1 Case Volume (Gals.)	x	Specified Volumes: Check for SPH	Calculated Volume: ___ Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
	Detected		no product with Water Face Probe		
	No odor		detected.		

Did well dewater? Yes / No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Pace	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

WELL GAUGING DATA

Project # 020801-AM1 Date 8-1-02 Client BP

Site 7220 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	
MW-1	2					12.97	28.35		S
MW-2	2					10.47	31.30		G
MW-3	2					14.44	34.06		S
AW-1	2					18.55	34.20		S
AW-2	2					17.17	34.05		G
AW-3	2					14.27	35.50		G
AW-4	2	CAP Pulled over well					32.65		S
AW-5	4					19.49	42.60		S
AW-6	4					~~18.49~~ 16.98	34.25		G
AW-7		Could not Locate				—	—		G
AW-8	2					17.25	37.35		G
RW-1	6					16.84	~~35.54~~ 37.30		S

BP WELL MONITORING DATA SHEET

Project #: 020601-AC1	Station # 11133
Sampler: AM	Date: 6-1-02
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.35	Depth to Water: 12.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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
10:05	66.0	7.2	857	2.4	gray/odor
10:07	67.5	7.2	671	4.6	" "
10:09	67.3	7.2	625	7.2	" "

Did well dewater? Yes (No) Gallons actually evacuated: 7.2

Sampling Time: 10:10 Sampling Date: 6-1-02

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

BP WELL MONITORING DATA SHEET

Project #: 020601-A.1	Station # 11133
Sampler: AM	Date: 6-1-02
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 34.06	Depth to Water: 14.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
10:25	66.5	7.3	495	3.1	Light brown
10:27	66.0	7.1	472	6.2	" "
10:29	65.6	7.1	469	9.3	" "

Did well dewater? Yes (No) Gallons actually evacuated: 9.3

Sampling Time: 10:30 Sampling Date: 6-1-02

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

BP WELL MONITORING DATA SHEET

Project #: 020601-AW1	Station # 11133
Sampler: AM	Date: 6-1-02
Well I.D.: AW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 38.20	Depth to Water: 19.55
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 X / Electric Submersible / Extraction Pump / Other: ___

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
10:46	66.3	6.8	748	2.9	cloudy / odor
10:48	66.2	6.8	776	5.8	" "
10:50	66.4	6.9	793	8.7	" "

Did well dewater? Yes (No)		Gallons actually evacuated: 8.7		
Sampling Time: 10:53		Sampling Date: 6-1-02		
Sample I.D.: AW-1		Laboratory: (Pace)	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

BP WELL MONITORING DATA SHEET

Project #: 020601-AM1	Station # 11133
Sampler: AM	Date: 6-1-02
Well I.D.: AW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 32.65	Depth to Water:
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: ___

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
CAR PARKED OVER WELL					

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 6-1-02	
Sample I.D.:		Laboratory: (Pace)	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

BP WELL MONITORING DATA SHEET

Project #: 020601-AM1	Station # 11133
Sampler: AM	Date: 6-1-02
Well I.D.: Aw-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 47.60	Depth to Water: 19.49
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 X / Extraction Pump / Other: ___

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

15 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 45 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
11:15	66.0	7.0	561	15	Cloudy
11:17	67.9	6.9	519	30	" "
11:19	68.1	6.9	552	45	" "

Did well dewater? Yes (No) Gallons actually evacuated: 45

Sampling Time: 11:20 Sampling Date: 6-1-02

Sample I.D.: Aw-5 Laboratory: (Pace) 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

BP WELL MONITORING DATA SHEET

Project #: 020601-Am 1	Station # 11133
Sampler: Am	Date: 6-1-02
Well I.D.: MW-1	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth: 37.30	Depth to Water: 16.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

30 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 90 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
11:34	69.6	6.9	620	30	Clear
11:38	70.0	7.0	630	60	" "
11:42	70.6	7.0	687	90	" "

Did well dewater? Yes (No) Gallons actually evacuated: 90

Sampling Time: 11:45 Sampling Date: 6-1-02

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

WELL GAUGING DATA

Project # 021015-0A-4 Date 10/15/02 Client BP 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	
RW-1	6	O	No SPH detected			18.20	37.70	TOC	

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client BP Inspection Date 10/15/02

Site Address 2220 98th Ave. Oakland, CA Inspected By DA

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

[X] Check box if no deficiencies were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

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

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client BP Inspection Date 6-1-07

Site Address 2220 96th Ave Oakland Inspected By Am

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

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

Well I.D.	Deficiency	Corrective Action Taken

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

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected
Av-6	missing 2 9/16 Bolt's	BTS can make corrections if requested		

BP OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP 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 TO THE SEAPORT PETROLEUM CORPORATION IN REDWOOD CITY, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC., 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP OIL COMPANY to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the BP Oil Company facility indicated below and to deliver that purgewater to the Seaport Petroleum Corporation. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP facility to the designated destination point; from one BP facility to the designated destination point via another BP facility; from a BP 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 Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP Oil Company facility described below:

11133
Station #

7220 98th Ave OAKLAND CA
street number | street name | city | state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-11			
RW-11			

added equip. rinse water

any other adjustments

TOTAL GALS. RECOVERED 164

loaded onto BTS vehicle #

BTS event # | time | date

020801.Am1 | 12:00 | 8/1/02

signature

* *

REC'D AT | time | date

Albert | 16:00 | 8/1/02

unloaded by signature

ATTACHMENT C

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

LABORATORY PROCEDURES

Laboratory Procedures

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

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Fax: 281.488.4661

August 15, 2002

Mr. Robert Horwath
URS Oakland
C/O BP Amoco
500 12th Street, Suite 200
Oakland, CA 94607

RE: Lab Project Number: 8528909
Client Project ID: Site 11133

Dear Mr. Horwath:

Enclosed are the analytical results for sample(s) received by the laboratory on August 6, 2002. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Paula Kirtley
pkirtley@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

ACCREDITED IN ACCORDANCE WITH nelac

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Lab Project Number: 8528909
Client Project ID: Site 11133

Lab Sample No: 851763898 Project Sample Number: 8528909-001 Date Collected: 08/01/02 10:10
Client Sample ID: MW-1 Matrix: Water Date Received: 08/06/02 09:00

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Volatiles									
TPH GRO Water	Method: EPA 8015 Modified								
Gasoline Range Organics	25.	mg/l	0.25	5.0	08/14/02 19:34	WRIC			
1,4-Difluorobenzene (S)	118	%		1.0	08/14/02 19:34	WRIC			
4-Bromofluorobenzene (S)	259	%		1.0	08/14/02 19:34	WRIC	460-00-4	1	
SW8021 Aromatics, Water	Method: EPA 8021								
Benzene	80.2	ug/l	2.50	5.0	08/14/02 19:34	WRIC	71-43-2		
Ethylbenzene	714.	ug/l	2.50	5.0	08/14/02 19:34	WRIC	100-41-4		
Toluene	17.7	ug/l	2.50	5.0	08/14/02 19:34	WRIC	108-88-3		
Xylene (Total)	1280	ug/l	5.00	5.0	08/14/02 19:34	WRIC	1330-20-7		
Methyl-tert-butyl ether	489.	ug/l	2.50	5.0	08/14/02 19:34	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	112	%		1.0	08/14/02 19:34	WRIC			
4-Bromofluorobenzene (S)	148	%		1.0	08/14/02 19:34	WRIC	460-00-4	1	

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Lab Project Number: 8528909
Client Project ID: Site 11133

Lab Sample No: 851763899 Project Sample Number: 8528909-002 Date Collected: 08/01/02 10:30
Client Sample ID: MW-3 Matrix: Water Date Received: 08/06/02 09:00

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Volatiles									
TPH GRO Water	Method: EPA 8015 Modified								
Gasoline Range Organics	0.066	mg/l	0.050	1.0	08/14/02 18:57	WRIC			
1,4-Difluorobenzene (S)	95	%		1.0	08/14/02 18:57	WRIC			
4-Bromofluorobenzene (S)	95	%		1.0	08/14/02 18:57	WRIC	460-00-4		
SW8021 Aromatics, Water	Method: EPA 8021								
Benzene	ND	ug/l	0.500	1.0	08/14/02 18:57	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	08/14/02 18:57	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	08/14/02 18:57	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.00	1.0	08/14/02 18:57	WRIC	1330-20-7		
Methyl-tert-butyl ether	ND	ug/l	0.500	1.0	08/14/02 18:57	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	95	%		1.0	08/14/02 18:57	WRIC			
4-Bromofluorobenzene (S)	94	%		1.0	08/14/02 18:57	WRIC	460-00-4		

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Lab Project Number: 8528909
Client Project ID: Site 11133

Lab Sample No: 851763900 Project Sample Number: 8528909-003 Date Collected: 08/01/02 10:53
Client Sample ID: AW-1 Matrix: Water Date Received: 08/06/02 09:00

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Volatiles									
TPH GRO Water	Method: EPA 8015 Modified								
Gasoline Range Organics	14.	mg/l	1.2	25.0	08/15/02 13:24	WRIC			
1,4-Difluorobenzene (S)	124	%		1.0	08/15/02 13:24	WRIC			
4-Bromofluorobenzene (S)	124	%		1.0	08/15/02 13:24	WRIC	460-00-4		
SW8021 Aromatics, Water	Method: EPA 8021								
Benzene	2150	ug/l	12.5	25.0	08/15/02 13:24	WRIC	71-43-2		
Ethylbenzene	197.	ug/l	12.5	25.0	08/15/02 13:24	WRIC	100-41-4		
Toluene	ND	ug/l	12.5	25.0	08/15/02 13:24	WRIC	108-88-3		
Xylene (Total)	42.4	ug/l	25.0	25.0	08/15/02 13:24	WRIC	1330-20-7		
Methyl-tert-butyl ether	1120	ug/l	12.5	25.0	08/15/02 13:24	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	113	%		1.0	08/15/02 13:24	WRIC			
4-Bromofluorobenzene (S)	99	%		1.0	08/15/02 13:24	WRIC	460-00-4		

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Lab Project Number: 8528909
Client Project ID: Site 11133

Lab Sample No: 851763901 Project Sample Number: 8528909-004 Date Collected: 08/01/02 11:20
Client Sample ID: AW-5 Matrix: Water Date Received: 08/06/02 09:00

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Volatiles									
TPH GRO Water	Method: EPA 8015 Modified								
Gasoline Range Organics	5.3	mg/l	1.2	25.0	08/15/02 13:43	WRIC			
1,4-Difluorobenzene (S)	129	%		1.0	08/15/02 13:43	WRIC			
4-Bromofluorobenzene (S)	105	%		1.0	08/15/02 13:43	WRIC	460-00-4		
SW8021 Aromatics, Water	Method: EPA 8021								
Benzene	ND	ug/l	12.5	25.0	08/15/02 13:43	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	12.5	25.0	08/15/02 13:43	WRIC	100-41-4		
Toluene	ND	ug/l	12.5	25.0	08/15/02 13:43	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	25.0	25.0	08/15/02 13:43	WRIC	1330-20-7		
Methyl-tert-butyl ether	3470	ug/l	12.5	25.0	08/15/02 13:43	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	111	%		1.0	08/15/02 13:43	WRIC			
4-Bromofluorobenzene (S)	93	%		1.0	08/15/02 13:43	WRIC	460-00-4		

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Lab Project Number: 8528909
Client Project ID: Site 11133

Lab Sample No: 851763902 Project Sample Number: 8528909-005 Date Collected: 08/01/02 11:45
Client Sample ID: RW-1 Matrix: Water Date Received: 08/06/02 09:00

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Volatiles									
TPH GRO Water	Method: EPA 8015 Modified								
Gasoline Range Organics	60.	mg/l	2.5	50.0	08/15/02 14:01	WRIC			
1,4-Difluorobenzene (S)	121	%		1.0	08/15/02 14:01	WRIC			
4-Bromofluorobenzene (S)	121	%		1.0	08/15/02 14:01	WRIC	460-00-4		
SW8021 Aromatics, Water	Method: EPA 8021								
Benzene	1210	ug/l	25.0	50.0	08/15/02 14:01	WRIC	71-43-2		
Ethylbenzene	1520	ug/l	25.0	50.0	08/15/02 14:01	WRIC	100-41-4		
Toluene	2200	ug/l	25.0	50.0	08/15/02 14:01	WRIC	108-88-3		
Xylene (Total)	10600	ug/l	50.0	50.0	08/15/02 14:01	WRIC	1330-20-7		
Methyl-tert-butyl ether	390.	ug/l	25.0	50.0	08/15/02 14:01	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	99	%		1.0	08/15/02 14:01	WRIC			
4-Bromofluorobenzene (S)	99	%		1.0	08/15/02 14:01	WRIC	460-00-4		

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Lab Project Number: 8528909
Client Project ID: Site 11133

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[I]	The surrogate recovery was outside QC acceptance limits due to matrix interference.

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QUALITY CONTROL DATA

Lab Project Number: 8528909
Client Project ID: Site 11133

QC Batch: 72438 Analysis Method: EPA 8021
QC Batch Method: See analytical method Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851763898 851763899 851763900 851763901 851763902

METHOD BLANK: 851765263
Associated Lab Samples: 851763898 851763899 851763900 851763901 851763902

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/l	ND	0.500	
Ethylbenzene	ug/l	ND	0.500	
Toluene	ug/l	ND	0.500	
Xylene (Total)	ug/l	ND	1.00	
Methyl-tert-butyl ether	ug/l	ND	0.500	
1,4-Difluorobenzene (S)	%	97		
4-Bromofluorobenzene (S)	%	91		

LABORATORY CONTROL SAMPLE: 851765264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/l	50.00	47.34	95	
Ethylbenzene	ug/l	50.00	48.09	96	
Toluene	ug/l	50.00	47.67	95	
Xylene (Total)	ug/l	100.00	92.03	92	
Methyl-tert-butyl ether	ug/l	50.00	49.72	99	
1,4-Difluorobenzene (S)				97	
4-Bromofluorobenzene (S)				95	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851765265 851765266

Parameter	Units	851763898 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	80.22	250.00	462.3	315.4	153	94	38	1
Ethylbenzene	ug/l	713.8	250.00	1021	968.7	123	102	5	
Toluene	ug/l	17.71	250.00	363.9	270.1	138	101	30	1
Xylene (Total)	ug/l	1282	500.00	1905	1788	124	101	6	
Methyl-tert-butyl ether	ug/l	489.4	250.00	970.2	654.8	192	66	39	1,1

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QUALITY CONTROL DATA

Lab Project Number: 8528909
Client Project ID: Site 11133

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851765265 851765266

Parameter	Units	851763898 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
1,4-Difluorobenzene (S)						128	98		
4-Bromofluorobenzene (S)						177	162		2

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QUALITY CONTROL DATA

Lab Project Number: 8528909
Client Project ID: Site 11133

QC Batch: 72440 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 8015 Modified Analysis Description: TPH GRO Water
Associated Lab Samples: 851763898 851763899 851763900 851763901 851763902

METHOD BLANK: 851765271
Associated Lab Samples: 851763898 851763899 851763900 851763901 851763902

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline Range Organics	mg/l	ND	0.050	
1,4-Difluorobenzene (S)	%	96		
4-Bromofluorobenzene (S)	%	94		

LABORATORY CONTROL SAMPLE: 851765272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline Range Organics	mg/l	1.000	0.9781	98	
1,4-Difluorobenzene (S)				104	
4-Bromofluorobenzene (S)				107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851765273 851765274

Parameter	Units	851763898 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline Range Organics	mg/l	25.28	5.000	25.60	24.84	6	0	3	
1,4-Difluorobenzene (S)						128	127		
4-Bromofluorobenzene (S)						252	250		2.2

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Lab Project Number: 8528909
Client Project ID: Site 11133

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	Due to matrix interference the matrix spike and/or matrix spike duplicate do not provide reliable % Recovery and RPD values. Sample results for this QC batch accepted based on LCS and/or LCSD % Recovery and/or RPD values.
[2]	The surrogate recovery was outside QC acceptance limits due to matrix interference.

BP

CHAIN OF CUSTODY

Page 1 of 1

85289109

CONSULTANT'S NAME	CONSULTANT'S ADDRESS		CONSULTANT PROJECT NUMBER
BTSS - Blaine Tech Services, Inc.	1680 Rogers Ave., San Jose CA 95112		070601 - Am 1
BP SITE NUMBER / GLOBAL ID: 11133 / T0600100210	BP SITE / FACILITY ADDRESS: 2220 98th Ave., Oakland		
CONSULTANT PROJECT MANAGER: Cindy Magyar	PHONE NUMBER: (408) 573-0555 x 221	FAX NUMBER: (408) 573-7771	CONSULTANT CONTRACT NUMBER
BP CONTACT: Scott Hooton	BP ADDRESS: 295 SW 41st Street, Suite N, Renton WA	PHONE NUMBER: (425) 251-0689	FAX NO.: (425) 251-0736
LAB CONTACT / LAB CONTRACT #: Pace - Paula Kirtley / 400-6-21124	LABORATORY ADDRESS: 900 Gemini Ave., Houston, TX 77058	PHONE NUMBER: (281) 488-1810	FAX NO.: (281) 488-4661
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name)	DATE/TIME	SHIPMENT DATE / SHIPMENT METHOD

TAT: ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ Standard 7 or 14 Days

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL)	PRESERVATIVE LAB SAMPLE #	TPH-G + BTEX / MTBE (8015M) (8020)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8260)						COMMENTS
MW-1	6-1-02	10:10	W	3	40mL VOA		X							(005)		8517603898
MW-3		10:30					X									899
MW-1		10:53					X									900
MW-5		11:20					X									901
RW-1		11:45					X									902

SAMPLED BY (Please Print Name): Albert Marcos

SAMPLED BY (Signature):

ADDITIONAL COMMENTS: cooler temp 0.1°C

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
KEN SHIH AIR BORNE	8/5/02	1306	AIRBORNE EXPRESS	8/5/02	1306
			Shirin Speyer	8/6/02	9:00

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

11/03/02

EDF 1.2i All files present in deliverable.

Laboratory:	Pace Analytical Services, Inc., Houston, TX
Project Name:	Site 11133
Work Order Number:	11133
Global ID:	T0600100210
Lab Report Number:	8528909

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
8528909	AW-1	851763900	W	CS	SW8015	SW5030	08/01/02	08/15/02	08/15/02	72440	1	
8528909	AW-1	851763900	W	CS	SW8021B	SW5030	08/01/02	08/15/02	08/15/02	72438	1	
8528909	AW-5	851763901	W	CS	SW8015	SW5030	08/01/02	08/15/02	08/15/02	72440	1	
8528909	AW-5	851763901	W	CS	SW8021B	SW5030	08/01/02	08/15/02	08/15/02	72438	1	
8528909	MW-1	851763898	W	CS	SW8015	SW5030	08/01/02	08/14/02	08/14/02	72440	1	
8528909	MW-1	851763898	W	CS	SW8021B	SW5030	08/01/02	08/14/02	08/14/02	72438	1	
8528909	MW-3	851763899	W	CS	SW8015	SW5030	08/01/02	08/14/02	08/14/02	72440	1	
8528909	MW-3	851763899	W	CS	SW8021B	SW5030	08/01/02	08/14/02	08/14/02	72438	1	
8528909	RW-1	851763902	W	CS	SW8015	SW5030	08/01/02	08/15/02	08/15/02	72440	1	
8528909	RW-1	851763902	W	CS	SW8021B	SW5030	08/01/02	08/15/02	08/15/02	72438	1	
		851765264	W	BS1	SW8021B	SW5030	/ /	08/14/02	08/14/02	72438	1	
		851765263	W	LB1	SW8021B	SW5030	/ /	08/14/02	08/14/02	72438	1	
		851765265	W	MS1	SW8021B	SW5030	/ /	08/15/02	08/15/02	72438	1	
		851765266	W	SD1	SW8021B	SW5030	/ /	08/15/02	08/15/02	72438	1	
		851765272	W	BS1	SW8015	SW5030	/ /	08/14/02	08/14/02	72440	1	
		851765271	W	LB1	SW8015	SW5030	/ /	08/14/02	08/14/02	72440	1	
		851765273	W	MS1	SW8015	SW5030	/ /	08/15/02	08/15/02	72440	1	
		851765274	W	SD1	SW8015	SW5030	/ /	08/15/02	08/15/02	72440	1	

EDFSAMP: Error Summary Log

11/03/02

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

EDFTEST: Error Summary Log

11/03/02

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

EDFRES: Error Summary Log

11/03/02

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: repdl is less than mdl	851763898	CS	W	SW8015	PR	08/14/02	1	GRO
Warning: repdl is less than mdl	851763899	CS	W	SW8015	PR	08/14/02	1	GRO
Warning: repdl is less than mdl	851763900	CS	W	SW8015	PR	08/15/02	1	GRO
Warning: repdl is less than mdl	851763901	CS	W	SW8015	PR	08/15/02	1	GRO
Warning: repdl is less than mdl	851763902	CS	W	SW8015	PR	08/15/02	1	GRO
Warning: repdl is less than mdl	851765271	LB1	W	SW8015	PR	08/14/02	1	GRO
Warning: repdl is less than mdl	851765272	BS1	W	SW8015	PR	08/14/02	1	GRO
Warning: repdl is less than mdl	851765273	MS1	W	SW8015	PR	08/15/02	1	GRO
Warning: repdl is less than mdl	851765274	SD1	W	SW8015	PR	08/15/02	1	GRO
Warning: extra parameter	851763898	CS	W	SW8015	PR	08/14/02	1	GRO
Warning: extra parameter	851763898	CS	W	SW8015	PR	08/14/02	1	DFBZ14
Warning: extra parameter	851763898	CS	W	SW8015	PR	08/14/02	1	BR4FBZ
Warning: extra parameter	851763898	CS	W	SW8021B	PR	08/14/02	1	XYLENES
Warning: extra parameter	851763898	CS	W	SW8021B	PR	08/14/02	1	MTBE
Warning: extra parameter	851763898	CS	W	SW8021B	PR	08/14/02	1	DFBZ14
Warning: extra parameter	851763898	CS	W	SW8021B	PR	08/14/02	1	BR4FBZ
Warning: extra parameter	851763899	CS	W	SW8015	PR	08/14/02	1	GRO
Warning: extra parameter	851763899	CS	W	SW8015	PR	08/14/02	1	DFBZ14
Warning: extra parameter	851763899	CS	W	SW8015	PR	08/14/02	1	BR4FBZ
Warning: extra parameter	851763899	CS	W	SW8021B	PR	08/14/02	1	XYLENES
Warning: extra parameter	851763899	CS	W	SW8021B	PR	08/14/02	1	MTBE
Warning: extra parameter	851763899	CS	W	SW8021B	PR	08/14/02	1	DFBZ14
Warning: extra parameter	851763899	CS	W	SW8021B	PR	08/14/02	1	BR4FBZ
Warning: extra parameter	851763900	CS	W	SW8015	PR	08/15/02	1	GRO
Warning: extra parameter	851763900	CS	W	SW8015	PR	08/15/02	1	DFBZ14

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	851763900	CS	W	SW8015	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851763900	CS	W	SW8021B	PR	08/15/02	1	XYLENES
Warning: extra parameter	851763900	CS	W	SW8021B	PR	08/15/02	1	MTBE
Warning: extra parameter	851763900	CS	W	SW8021B	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851763900	CS	W	SW8021B	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851763901	CS	W	SW8015	PR	08/15/02	1	GRO
Warning: extra parameter	851763901	CS	W	SW8015	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851763901	CS	W	SW8015	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851763901	CS	W	SW8021B	PR	08/15/02	1	XYLENES
Warning: extra parameter	851763901	CS	W	SW8021B	PR	08/15/02	1	MTBE
Warning: extra parameter	851763901	CS	W	SW8021B	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851763901	CS	W	SW8021B	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851763902	CS	W	SW8015	PR	08/15/02	1	GRO
Warning: extra parameter	851763902	CS	W	SW8015	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851763902	CS	W	SW8015	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851763902	CS	W	SW8021B	PR	08/15/02	1	XYLENES
Warning: extra parameter	851763902	CS	W	SW8021B	PR	08/15/02	1	MTBE
Warning: extra parameter	851763902	CS	W	SW8021B	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851763902	CS	W	SW8021B	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851765263	LB1	W	SW8021B	PR	08/14/02	1	XYLENES
Warning: extra parameter	851765263	LB1	W	SW8021B	PR	08/14/02	1	MTBE
Warning: extra parameter	851765263	LB1	W	SW8021B	PR	08/14/02	1	DFBZ14
Warning: extra parameter	851765263	LB1	W	SW8021B	PR	08/14/02	1	BR4FBZ
Warning: extra parameter	851765264	BS1	W	SW8021B	PR	08/14/02	1	XYLENES
Warning: extra parameter	851765264	BS1	W	SW8021B	PR	08/14/02	1	MTBE
Warning: extra parameter	851765264	BS1	W	SW8021B	PR	08/14/02	1	DFBZ14
Warning: extra parameter	851765264	BS1	W	SW8021B	PR	08/14/02	1	BR4FBZ
Warning: extra parameter	851765265	MS1	W	SW8021B	PR	08/15/02	1	XYLENES
Warning: extra parameter	851765265	MS1	W	SW8021B	PR	08/15/02	1	MTBE

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	851765265	MS1	W	SW8021B	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851765265	MS1	W	SW8021B	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851765271	LB1	W	SW8015	PR	08/14/02	1	GRO
Warning: extra parameter	851765271	LB1	W	SW8015	PR	08/14/02	1	DFBZ14
Warning: extra parameter	851765271	LB1	W	SW8015	PR	08/14/02	1	BR4FBZ
Warning: extra parameter	851765272	BS1	W	SW8015	PR	08/14/02	1	GRO
Warning: extra parameter	851765272	BS1	W	SW8015	PR	08/14/02	1	DFBZ14
Warning: extra parameter	851765272	BS1	W	SW8015	PR	08/14/02	1	BR4FBZ
Warning: extra parameter	851765273	MS1	W	SW8015	PR	08/15/02	1	GRO
Warning: extra parameter	851765273	MS1	W	SW8015	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851765273	MS1	W	SW8015	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851765274	SD1	W	SW8015	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851765266	SD1	W	SW8021B	PR	08/15/02	1	DFBZ14
Warning: extra parameter	851765266	SD1	W	SW8021B	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851765274	SD1	W	SW8015	PR	08/15/02	1	BR4FBZ
Warning: extra parameter	851765274	SD1	W	SW8015	PR	08/15/02	1	GRO
Warning: extra parameter	851765266	SD1	W	SW8021B	PR	08/15/02	1	MTBE
Warning: extra parameter	851765266	SD1	W	SW8021B	PR	08/15/02	1	XYLENES

EDFQC: Error Summary Log

11/03/02

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

EDFCL: Error Summary Log

11/03/02

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: 3628883481
Date/Time of Submittal: 11/6/2002 4:19:04 PM
Facility Global ID: T0600100210
Facility Name: BP
Submittal Title: Third Quarter 2002 Monitoring
Submittal Type: GW Monitoring Report

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

AB2886 Electronic Delivery

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**Third Quarter 2002 Monitoring Report**
Submittal Date/Time:	**11/6/2002 4:19:50 PM**
Confirmation Number:	**7517704606**

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