



April 30, 2003

RD 281

Alameda County
MAY 02 2003
Environmental Health

Ms. Eva Chu
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

Re: **First Semi-Annual 2003 Groundwater Monitoring Report**
Former BP Service Station #11104
1716 Webster Street
Alameda, California
URS Project #38486237

Dear Ms. Chu:

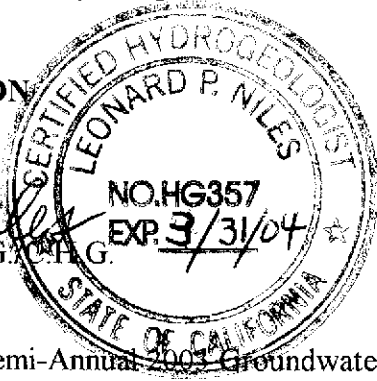
On behalf of the Group Environmental Management Company (a BP affiliated company), URS Corporation (URS) is submitting the *First Semi-Annual 2003 Groundwater Monitoring Report* for the Former BP Service Station #11104, located at 1716 Webster Street, Alameda, California.

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

Sincerely,

URS CORPORATION

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



Enclosure: First Semi-Annual 2003 Groundwater Monitoring Report

cc: Scott Hooton, BP GEM, Environmental Resources Management, 295 SW 41st Street,
Building 13, Suite N, Renton, Washington 98055-4931
Ms. Liz Sewell, ConocoPhilips, 76 Broadway, Sacramento, California 95818

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

R E P O R T

Alameda County
MAY 02 2003
Environmental Health

**FIRST SEMI-ANNUAL 2003
GROUNDWATER MONITORING**

FORMER BP SERVICE STATION #11104
1716 WEBSTER STREET
ALAMEDA, CALIFORNIA

Prepared for
BP GEM

April 30, 2003

URS

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

38486237

Date: April 30, 2003
Quarter: 1Q 03

BP GEM SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Facility No.: 11104 Address: 1716 Webster Street, Alameda, California
BP Environmental Engineer: Scott Hooton
Consulting Co./Contact Person: URS Corporation / Leonard Niles
Consultant Project No.: 38486237
Primary Agency: Alameda County Department of Environmental Health

WORK PERFORMED THIS PERIOD (First Semi-Annual – 2003):

1. Performed first semi-annual groundwater monitoring event on February 5, 2003.
2. Prepared and submitted second 2002 semi-annual groundwater monitoring report.
3. Prepare and submit first semi-annual 2003 groundwater monitoring report.

WORK PROPOSED FOR NEXT PERIOD (Second Semi-Annual – 2003):

1. Perform second semi-annual 2003 groundwater monitoring event.
2. Prepare and submit second semi-annual 2003 groundwater monitoring report.

Current Phase of Project: GW monitoring/sampling
Frequency of Groundwater Sampling: Wells MW-1 and RW-1 biannually ; wells MW-2 through MW-5 annually (1st Quarter).
Frequency of Groundwater Monitoring: Biannual
Is Free Product (FP) Present On-Site: No
Current Remediation Techniques: None currently
Approximate Depth to Groundwater: 4.36 (MW-5) to 5.61 (MW-2) feet
Groundwater Gradient (direction): North
Groundwater Gradient (magnitude): 0.011 feet per foot

DISCUSSION:

TPH-g and benzene were detected in one of the five wells sampled this quarter (MW-1) at concentrations of 770 µg/L and 29 µg/L, respectively. MTBE was detected in two wells at concentrations of 18 µg/L (RW-1) and 590 µg/L (MW-1). Well MW-3 could not be gauged or sampled due to an obstruction.

URS will attempt to repair well MW-3 next quarter. If MW-3 can not be repaired, URS proposes to properly abandon the well.

ATTACHMENTS:

- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – February 5, 2003
- Attachment A – Concentration and Water Level Trends (MW-1 and RW-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 #11104
1716 Webster Street, Alameda, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-1	07/21/92	11.98	5.91	6.07	34000	7000	1700	2500	6900	--	--	--
	10/20/92	11.98	6.66	5.32	--	--	--	--	--	--	--	--
	03/05/93	11.98	4.56	7.42	--	--	--	--	--	--	--	--
	04/01/93	11.98	4.57	7.41	--	--	--	--	--	--	--	--
	07/09/93	11.98	5.25	6.73	77000	15000	1400	2100	7400	11919	(e)(k)	PACE
(d)	07/09/93	--	--	--	79000	16000	1500	2200	7700	12952	(c)(k)	PACE
	10/08/93	11.98	6.01	5.97	42000	7100	270	2700	4700	--	(k)	PACE
	01/06/94	11.98	6.24	5.74	45000	12000	4300	3000	6700	--	(k)	PACE
	04/26/94	11.98	5.26	6.72	39000	6500	500	1800	1200	16663	(c)(k)	6.3 PACE
	07/25/94	11.98	5.60	6.38	38000	6300	240	1500	1100	26428	(c)(k)	1.7 PACE
	10/13/94	11.98	6.15	5.83	25000	6300	130	1300	830	--	(k)	2.3 PACE
(d)	10/13/94	--	--	--	25000	7300	120	1200	740	--	(k)	PACE
	01/17/95	11.98	4.19	7.79	7800	3100	1100	460	850	--	--	7.9 ATI
(d)	01/17/95	--	--	--	8400	3100	1200	470	1000	--	--	ATI
	03/31/95	11.98	4.48	7.50	37000	6700	6900	1200	4500	--	--	6.4 ATI
(d)	03/31/95	--	--	--	40000	6900	7300	1300	5000	--	--	ATI
	05/01/95	11.98	4.39	7.59	--	--	--	--	--	--	--	--
	07/12/95	11.98	5.02	6.96	29000	7000	300	1500	3900	--	--	7.2 ATI
(d)	07/12/95	--	--	--	29000	6600	380	1500	3900	--	--	ATI
	10/12/95	11.98	5.68	6.30	20000	3400	310	1100	3000	15000	--	6.3 ATI
(d)	10/12/95	--	--	--	20000	3500	310	1100	3000	14000	--	ATI
	02/27/96	11.98	4.18	7.80	18000	4400	2900	860	2380	5500	--	7.9 SPL
	05/08/96	11.98	4.89	7.09	--	--	--	--	--	--	--	--
	05/09/96	11.98	--	--	14000	2300	1900	540	3340	2700	--	6.1 SPL
	08/09/96	11.98	5.13	6.85	--	--	--	--	--	--	--	--
	08/12/96	11.98	--	--	13000	2800	190	1300	3040	1800	--	7.1 SPL
	11/07/96	11.98	5.65	6.33	12000	2100	35	ND<25	ND<25	2100	--	7.2 SPL
	02/10/97	11.98	4.80	7.18	180000	1900	ND<500	ND<500	ND<500	160000	--	6.8 SPL
(d)	02/10/97	--	--	--	180000	2100	ND<500	ND<500	ND<500	160000	--	SPL
	08/04/97	11.98	5.69	6.29	14000	2700	ND<50	1200	1220	250000	--	7.2 SPL
(d)	08/04/97	--	--	--	ND<25000	2600	ND<50	1200	1100	260000	--	SPL
	01/27/98	11.98	3.96	8.02	390000	4400	4300	1600	2890	490000	--	6.4 SPL
	09/02/98	11.98	5.03	6.95	230000	3900	ND<50	1900	1000	230000	--	6.3 SPL
	02/24/99	11.98	4.94	7.04	82000	3000	520	2600	3200	190000/200000	(h)	-- SPL
	08/30/99	11.98	6.31	5.67	11000	2100	ND<25	1800	580	48000	--	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11104
1716 Webster Street, Alameda, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-1	02/21/00	11.98	4.47	7.51	12000 (i)	1200	250	930	1800	31000	--	PACE
(Cont.)	08/08/00	11.98	5.59	6.39	4500	160	2.8	76	88	60000	--	PACE
	02/12/01	11.98	6.04	5.94	14000	363	ND<12.5	108	293	18000	--	PACE
	08/13/01	11.98	6.44	5.54	14000	161	17.1	255	545	5590	--	PACE
	02/04/02	11.98	4.49	7.49	17000	176	57.9	538	1670	2470	--	PACE
	8/29/02*	11.98	5.22	6.76	4800 (l)	180	43	130	540	3100	--	SEQ
	02/05/03	11.98	5.43	6.55	770	29	9.8	4.2	47	590^{m,n}	--	SEQ

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-2	07/21/92	12.98	6.44	6.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	10/20/92		7.39	5.59	---	---	---	---	---	---	---	---
	03/05/93		4.91	8.07	---	---	---	---	---	---	---	---
	04/01/93		4.92	8.06	---	---	---	---	---	---	---	---
	07/09/93		5.60	7.38	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	10/08/93		6.50	6.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
(d)	10/08/93		---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	01/06/94		6.25	6.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	04/26/94		5.73	7.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) 7.5	PACE
	07/25/94		6.07	6.91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.59	(k) 2.4	PACE
	10/13/94		6.80	6.18	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) 2.4	PACE
	01/17/95		5.10	7.88	---	---	---	---	---	---	---	---
	03/31/95		4.69	8.29	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	7.3	ATI
	05/01/95		5.23	7.75	---	---	---	---	---	---	---	---
	07/12/95		5.40	7.58	---	---	---	---	---	---	---	---
	10/12/95		6.06	6.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.9	ATI
	02/27/96		4.66	8.32	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	8.7	SPL
	05/08/96		5.28	7.70	---	---	---	---	---	---	---	---
	08/09/96		5.59	7.39	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.8	SPL
	11/07/96		6.11	6.87	---	---	---	---	---	---	---	---
	02/10/97		5.26	7.72	---	---	---	---	---	---	---	---
	08/04/97		6.14	6.84	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.5	SPL
	01/27/98		4.42	8.56	---	---	---	---	---	---	---	---
	09/02/98		5.47	7.51	100	0.56	3.6	ND<1.0	3.0	110	6.9	SPL
	02/24/99		5.12	7.86	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	8.2	---	SPL
	08/30/99		6.60	6.38	---	---	---	---	---	---	---	---
	02/21/00		4.64	8.34	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.72	---	PACE
	02/12/01		5.13	7.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
	02/04/02		5.63	7.35	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	---	PACE
	8/29/02*		5.79	7.19	---	---	---	---	---	---	---	---
	02/05/03		5.61	7.37	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5⁰	---	SEQ

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MW-3	(e) 07/21/92	13.38	7.07	6.31	ND<50	0.95	ND<0.5	ND<0.5	ND<0.5	---	---	---
	10/20/92		8.06	5.32	---	---	---	---	---	---	---	---
	03/05/93		5.16	8.22	---	---	---	---	---	---	---	---
	04/01/93		5.25	8.13	---	---	---	---	---	---	---	---
	07/09/93		5.80	7.58	ND<50	0.6	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	10/08/93		7.17	6.21	ND<50	0.6	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	01/06/94		6.94	6.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	04/26/94		6.18	7.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) 3.1	PACE
	07/25/94		6.67	6.71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) 2.2	PACE
	10/13/94		7.43	5.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) 2.1	PACE
	01/17/95		5.07	8.31	---	---	---	---	---	---	---	---
	03/31/95		4.03	9.35	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	6.6	ATI
	05/01/95		4.94	8.44	---	---	---	---	---	---	---	---
	07/12/95		5.80	7.58	---	---	---	---	---	---	---	---
	10/12/95		6.64	6.74	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.4	ATI
	02/27/96		4.75	8.63	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	8.5	SPL
	05/08/96		5.86	7.52	---	---	---	---	---	---	---	---
	08/09/96		5.70	7.68	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.9	SPL
	11/07/96		6.21	7.17	---	---	---	---	---	---	---	---
	02/10/97		5.14	8.24	---	---	---	---	---	---	---	---
	08/04/97		6.01	7.37	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.6	SPL
	01/27/98		4.30	9.08	---	---	---	---	---	---	---	---
	09/02/98		5.80	7.58	ND<50	ND<0.5	2.2	ND<1.0	ND<1.0	ND<10	6.6	SPL
	02/24/99		4.34	9.04	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	SPL
	08/30/99		6.59	6.79	---	---	---	---	---	---	---	---
	02/21/00		4.56	8.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
	(j) 02/12/01		4.98	8.40	---	---	---	---	---	---	---	---
	(j) 02/04/02		6.11	7.27	---	---	---	---	---	---	---	---
	(j) 8/29/02*		6.22	7.16	---	---	---	---	---	---	---	---
	(f) 02/05/03		Obstruction in Well - Unable to Sample									

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-4	03/05/93	11.80	4.81	6.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	04/01/93		4.80	7.00	---	---	---	---	---	---	---	---
	07/09/93		5.54	6.26	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	10/08/93		6.28	5.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	01/06/94		5.82	5.98	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) ---	PACE
	04/26/94		5.50	6.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) 7.4	PACE
	07/25/94		5.83	5.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) 7.2	PACE
	10/13/94		6.26	5.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) 6.7	PACE
	01/17/95		4.19	7.61	---	---	---	---	---	---	---	---
	03/31/95		3.96	7.84	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	7.1	ATI
	05/01/95		4.49	7.31	---	---	---	---	---	---	---	---
	07/12/95		5.16	6.64	---	---	---	---	---	---	---	---
	10/12/95		5.80	6.00	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.9	ATI
	02/27/96		4.22	7.58	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	8.9	SPL
	05/08/96		5.00	6.80	---	---	---	---	---	---	---	---
	08/09/96		5.13	6.67	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	8.5	SPL
	11/07/96		5.65	6.15	---	---	---	---	---	---	---	---
	02/10/97		4.81	6.99	---	---	---	---	---	---	---	---
	08/04/97		5.72	6.08	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.4	SPL
	01/27/98		4.06	7.74	---	---	---	---	---	---	---	---
	09/02/98		4.89	6.91	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	5.8	SPL
	02/24/99		3.89	7.91	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	SPL
	08/30/99		5.62	6.18	---	---	---	---	---	---	---	---
	02/21/00		4.00	7.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.66	---	PACE
	02/12/01		4.93	6.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.982	---	PACE
	02/04/02		4.49	7.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	---	PACE
	8/29/02*		5.38	6.42	---	---	---	---	---	---	---	---
	02/05/03		4.50	7.30	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5"	---	SEQ

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WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
MW-5	04/01/93	11.62	4.77	6.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---
	07/09/93		5.40	6.22	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	10/08/93		5.87	5.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
	01/06/94		5.75	5.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) ---	PACE
	04/26/94		5.49	6.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) 7.1	PACE
	07/25/94		5.69	5.93	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) 6.6	PACE
	10/13/94		6.03	5.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) 3.0	PACE
	01/17/95		4.74	6.88	---	---	---	---	---	---	---	---
	03/31/95		4.58	7.04	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	7.1	ATI
	05/01/95		4.79	6.83	---	---	---	---	---	---	---	---
	07/12/95		5.32	6.30	---	---	---	---	---	---	---	---
	10/12/95		5.70	5.92	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	6.7	ATI
(f)	02/27/96		---	---	---	---	---	---	---	---	---	---
	05/08/96		4.91	6.71	---	---	---	---	---	---	---	---
	08/09/96		5.01	6.61	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	7.7	SPL
	11/07/96		5.54	6.08	---	---	---	---	---	---	---	---
	02/10/97		4.66	6.96	---	---	---	---	---	---	---	---
	08/04/97		5.51	6.11	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.9	SPL
	01/27/98		4.01	7.61	---	---	---	---	---	---	---	---
	09/02/98		5.17	6.45	ND<50	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	6.4	SPL
	02/24/99		4.52	7.10	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	---	SPL
	08/30/99		6.02	5.60	---	---	---	---	---	---	---	---
	02/21/00		4.62	7.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
	02/12/01		4.80	6.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	PACE
	02/04/02		4.63	6.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	---	PACE
	8/29/02*		5.15	6.47	---	---	---	---	---	---	---	---
	02/05/03		4.36	7.26	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	---	SEQ

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11104
1716 Webster Street, Alameda, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (a) (Feet)	GWE (Feet)	TPH-G (b) (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB		
RW-1	01/06/94	11.84	5.59	6.25	23000	3800	210	840	2100	4663	(c)(k) ---	PACE		
	(d) 01/06/94		---	---	24000	3700	210	830	2000	4562	(c)(k) ---	PACE		
	04/26/94		5.21	6.63	24000	3500	120	800	1700	8145	(c)(k) 6.4	PACE		
	(d) 04/26/94		---	---	22000	3300	110	700	1700	6909	(c)(k) ---	PACE		
	07/25/94		5.52	6.32	31000	4800	290	1100	1700	ND<5.0	(c)(k) 5.5	PACE		
	(d) 07/25/94		---	---	28000	4400	240	960	1400	20608	(c)(k) ---	PACE		
	10/13/94		6.05	5.79	20000	4200	46	990	440	---	(k) 6.8	PACE		
	01/17/95		4.02	7.82	9600	1500	65	300	2700	---	---	7.7	ATI	
	03/31/95		3.81	8.03	16000	1500	780	370	2000	---	---	7.8	ATI	
	05/01/95		4.21	7.63	---	---	---	---	---	---	---	---	---	
	07/12/95		4.93	6.91	22000	3700	150	950	2800	---	---	7.2	ATI	
	10/12/95		5.46	6.38	30000	1600	1500	1700	8500	4300	---	7.0	ATI	
	02/27/96		4.00	7.84	1800	30	24	41	440	52	---	7.7	SPL	
	(d) 02/27/96		---	---	---	1600	30	23	38	420	50	---	---	SPL
	05/08/96		4.65	7.19	---	---	---	---	---	---	---	---	---	
	05/09/96		---	---	---	3200	19	19	97	800	ND<50	7.1	SPL	
	(d) 05/09/96		---	---	---	2900	15	15	78	700	ND<50	---	SPL	
	08/09/96		4.96	6.88	---	---	---	---	---	---	---	---	---	
	08/12/96		---	---	---	6900	210	270	390	1920	ND<100	7.9	SPL	
	(d) 08/12/96		---	---	---	8200	270	330	450	2330	ND<100	---	SPL	
	11/07/96		5.50	6.34	6100	320	45	ND<10	ND<10	430	---	6.9	SPL	
	(d) 11/07/96		---	---	---	6800	360	45	ND<10	ND<10	500	---	SPL	
	02/10/97		3.85	7.99	170000	ND<120	ND<250	ND<250	ND<250	ND<250	150000	6.7	SPL	
	08/04/97		4.72	7.12	ND<25000	580	450	630	3700	230000	---	6.9	SPL	
	01/27/98		3.80	8.04	52000	380	330	490	2970	38000	---	6.1	SPL	
	(d) 01/27/98		---	---	---	51000	380	300	480	2980	36000	---	SPL	
	09/02/98		4.91	6.93	260000	2500	56	1400	3070	250000	---	6.6	SPL	
	(d) 09/02/98		---	---	---	280000	2400	ND<50	1400	3170	270000	---	SPL	
	02/24/99		4.16	7.68	120	ND<1.0	ND<1.0	1.5	13	130/140	(h) ---	---	SPL	
	08/30/99		5.52	6.32	3100	320	ND<25	120	28	60000	---	---	SPL	
02/21/00		3.68	8.16	340	(i) 8.6	1.8	11	66	2500	---	---	PACE		
08/08/00		4.85	6.99	1600	3.2	ND<0.5	0.82	1.2	19000	---	---	PACE		
02/12/01		4.26	7.58	1500	1.33	ND<0.5	ND<0.5	5.69	2420	---	---	PACE		
08/13/01		5.34	6.50	290	ND<0.5	ND<0.5	ND<0.5	ND<1.5	314	---	---	PACE		
02/04/02		4.08	7.76	570	9.15	0.874	19.2	83.8	97.4	---	---	PACE		
8/29/02*		5.12	6.72	ND<50	0.59	ND<0.50	ND<0.50	ND<0.50	19	---	---	SEQ		
02/05/03		5.21	6.63	ND<50	ND<0.50	ND<0.50	0.68	1.7	18 ⁿ	---	---	SEQ		

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11104
1716 Webster Street, Alameda, CA

WELL ID	DATE OF SAMPLING/ MONITORING	TOC (Feet)	DTW (Feet) (a)	GWE (Feet)	TPH-G (ug/L) (b)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DO (ppm)	LAB
QC-2	(g) 07/09/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
QC-2	(g) 10/08/93	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
QC-2	(g) 01/06/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) ---	PACE
QC-2	(g) 04/26/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) ---	PACE
QC-2	(g) 07/25/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(k) ---	PACE
QC-2	(g) 10/13/94	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(k) ---	PACE
QC-2	(g) 01/17/95	---	---	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	---	---	ATI
QC-2	(g) 03/31/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
QC-2	(g) 07/12/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	ATI
QC-2	(g) 10/12/95	---	---	---	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	ATI
QC-2	(g) 02/27/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	SPL
QC-2	(g) 05/09/96	---	---	---	ND<50	ND<0.5	ND<1	ND<1	ND<1	ND<10	---	SPL

Table 1
Groundwater Elevation and Analytical Data

Former BP Service Station #11104
1716 Webster Street, Alameda, CA

ABBREVIATIONS:

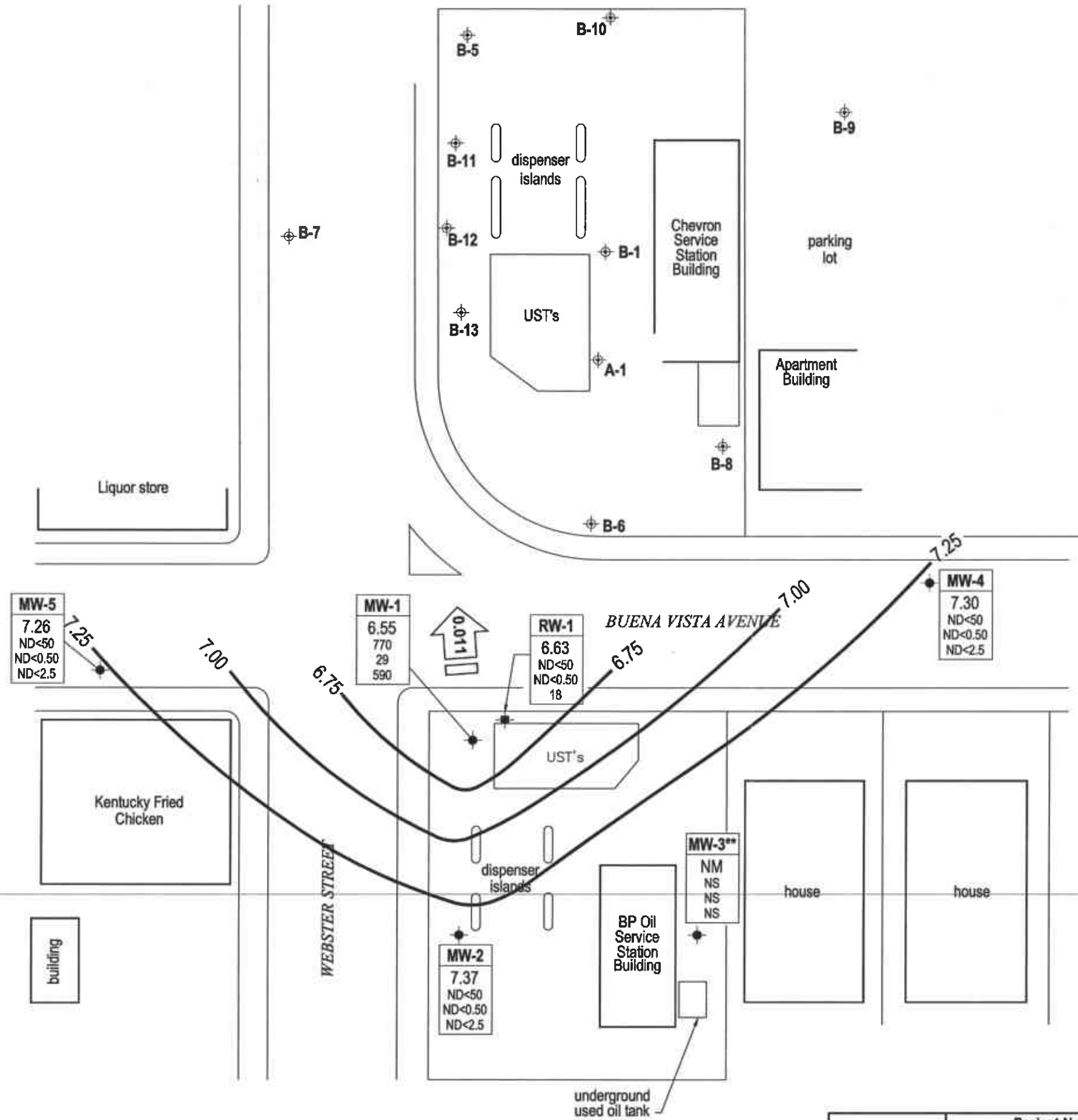
NOTES:

TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
TDS	Total dissolved solids
DO	Dissolved oxygen
ug/L	Micrograms per liter
mg/L	Milligrams per liter
ppm	Parts per million
--	Not applicable/available/analyzed/measured
ND	Not detected above reported detection limit
PACE	Pace Analytical Services, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories
SEQ	Sequoia Analytical
TOC	Top of Casing
DTW	Depth to Water
GWE	Groundwater Elevation
*	During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.

- (a) Top of casing elevations surveyed in reference to USGS benchmark (14.108 feet above mean sea level) at northwest corner of Webster Street and Pacific Avenue.
- (b) Groundwater elevations in feet above mean sea level.
- (c) A copy of the documentation for this data is included in Appendix C of Alisto report 10-155-07-001
- (d) Blind duplicate.
- (e) Sample also analyzed for cadmium, nickel, chromium, lead, and zinc. None were detected above the reported detection limit.
- (f) Well inaccessible.
- (g) Travel blank.
- (h) MTBE by EPA Methods 8020/8260.
- (i) Gasoline does not include MTBE.
- (j) Unable to sample.
- (k) A copy of the documentation for this data can be found in Baline Tech Services report 010813-N-2. No chromatograms could be located for MTBE data from wells MW-2, MW-3, MW-4, MW-5, and QC-2, sampled on July 9, 1993; all wells sampled on October 8, 1993; wells MW-1, MW-2, and MW-3, sampled on January 6, 1994; and all wells sampled on October 13, 1994.
- (l) Chromatogram Pattern: Gasoline C6-C10
- (m) The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- (n) The closing calibration was outside acceptance limits by 1% high. This should be considered in evaluating the result. The avg. % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor.

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.

X:\x_env\waste\BP_GEMM_Niles_Sites\1110\Reports\Monitoring\Cr1_2003\Drawings\GWEC_AS_2-5.dwg

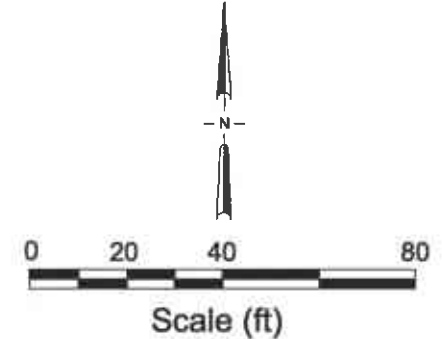


EXPLANATION

- Monitoring well location
- Groundwater recovery well
- Chevron Monitoring well location
- Groundwater flow direction and gradient
- Groundwater elevation contour (Feet above MSL)

Well	Well designation
ELEV	Groundwater elevation (ft above MSL)
TPH-g	TPH-g, Benzene and MTBE concentrations in micrograms per liter (µg/L)
Benzene	
MTBE	
**	Obstruction in well - unable to sample
ND	Not Detected
NS	Not Sampled

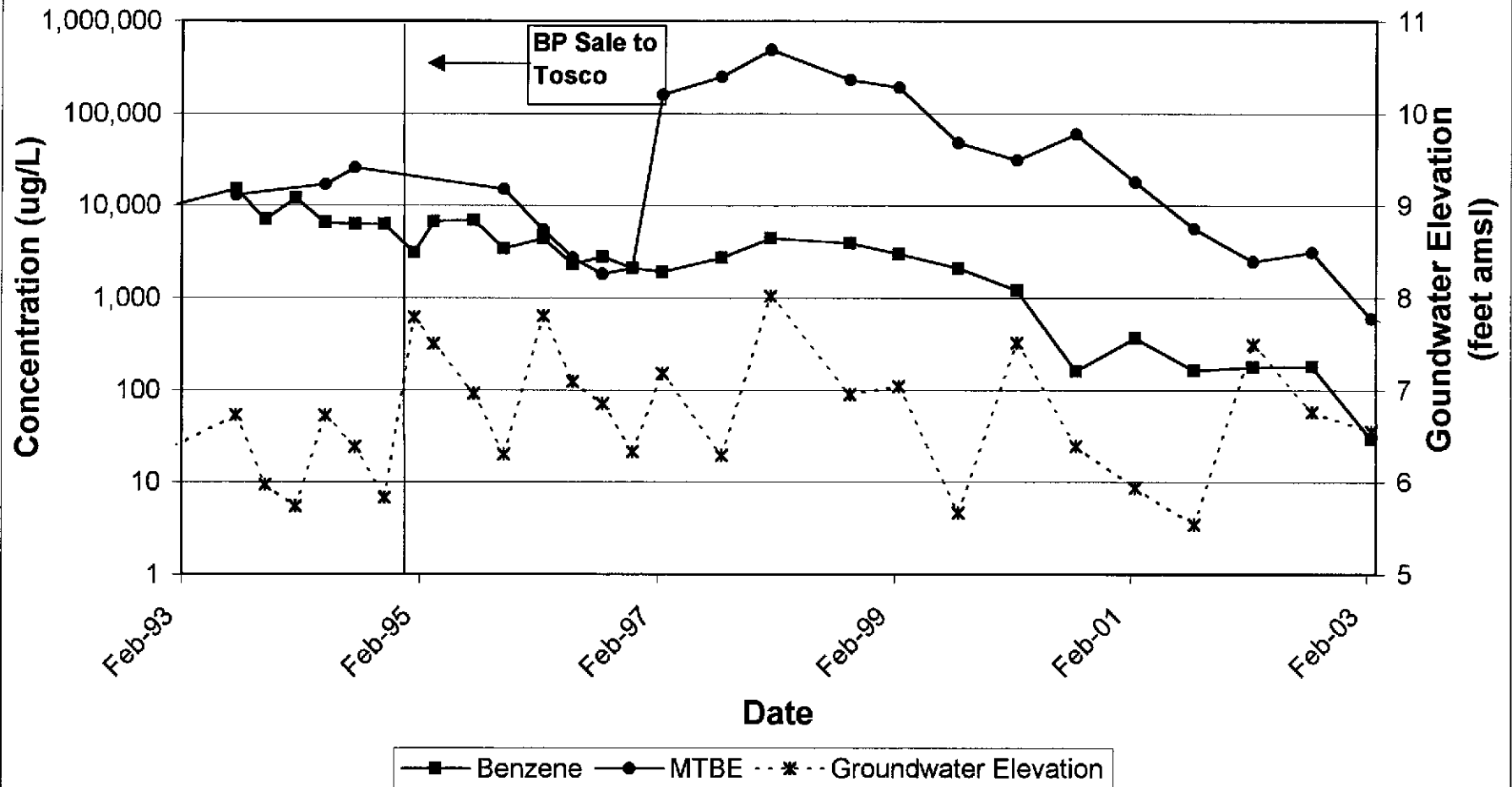
NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



URS	Project No. 38486237	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP	FIGURE 1
	Former BP Service Station #11104 1716 Webster Street Alameda, California		

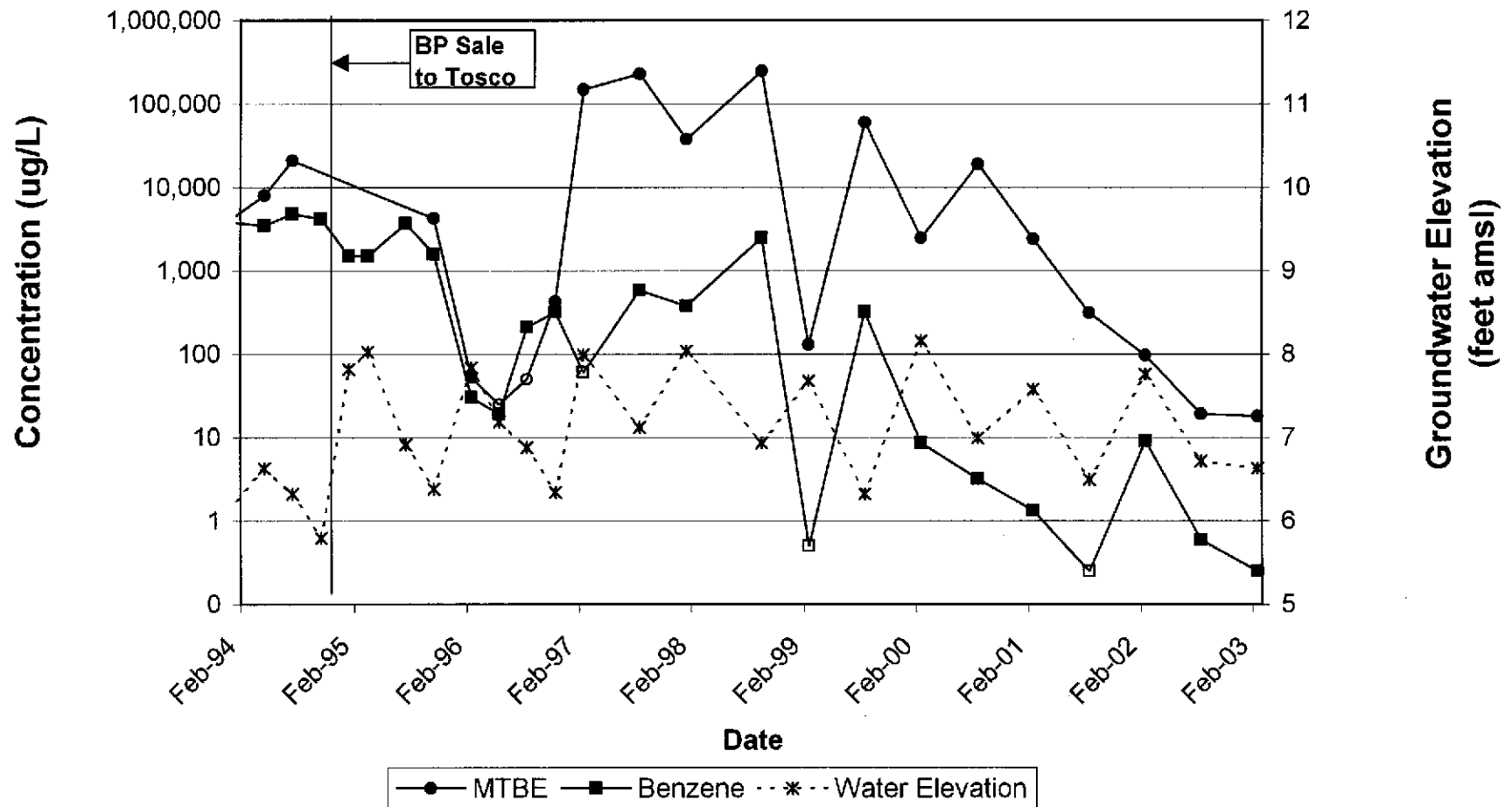
ATTACHMENT A
CONCENTRATION AND WATER LEVEL TRENDS

Concentration and Water Level Trends Well MW-1



Former BP Service Station #11104
1716 Webster Street
Alameda, California

Concentration and Water Level Trends Well RW-1



Former BP Service Station #11104
1716 Webster Street
Alameda, California

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.

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030205-BA1</u>	Station # <u>1104</u>
Sampler: <u>BRIAN ALCOB</u>	Date: <u>2/5/03</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8 <u> </u>
Total Well Depth: <u>15.59</u>	Depth to Water: <u>5.43</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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 Sampling Method: Bailer
Disposable Bailer Disposable Bailer
Middleburg Extraction Port
Electric Submersible Other: _____
Extraction Pump
 Other: _____

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

<u>1.6</u>	X	<u>3</u>	=	<u>4.8</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1045	60.2	6.4	710	1.5	very cloudy brown very mild odor
1048	61.2	6.8	596	3.0	cloudy brown
1049	<u>Dewatered</u>			@ 3.5	DTW 8.78
1147	61.1	6.4	518	—	clear w/ debris mild odor DTW 5.43

Did well dewater? (Yes) No Gallons actually evacuated: 4

Sampling Time: 1147 Sampling Date: 2/5/03

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

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030205-BA1	Station # 11104
Sampler: BRIAN ALGERN	Date: 2/5/03
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8
Total Well Depth: 15.69	Depth to Water: 5.61
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 Sampling Method: Bailer
 Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible Other: _____
 Extraction Pump

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

1.6	x	3	=	4.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or μ S)	Gals. Removed	Observations
1010	64.1	6.9	532	1.5	Very cloudy brown
1012	64.6	6.9	469	3.0	"
1014	65.5	6.8	429	4.5	"

Did well dewater? Yes No Gallons actually evacuated: 5

Sampling Time: 1017 Sampling Date: 2/5/03

Sample I.D.: MW-2 Laboratory: Pace Sequoia Other _____

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

D.O. (if req'd):	Pre-purge:	$\frac{mg}{L}$	Post-purge:	$\frac{mg}{L}$
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 030205-BA1	Station # 1104
Sampler: BRIAN ALCORN	Date: 2/5/03
Well I.D.: MW-3	Well Diameter: ② 3 4 6 8
Total Well Depth: —	Depth to Water: Obstruction @ 15.20 Unable to surge
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____ 	Sampling Method: Bailer Disposable Bailer Extraction Port Other: _____
---	--

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

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

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
					Unable to access water due to obstruction
					4 wire serial cable attached to obstruction, unable to pull out

Did well dewater? Yes No	Gallons actually evacuated: _____
Sampling Time: _____	Sampling Date: _____
Sample I.D.: _____	Laboratory: Pace Sequoia Other _____
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____	
D.O. (if req'd):	Pre-purge: _____ mg/L Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV Post-purge: _____ mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030205-BA1</u>	Station # <u>1104</u>
Sampler: <u>BRIAN ALBORN</u>	Date: <u>2/5/03</u>
Well I.D.: <u>MW-4</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>9.45</u> 14.65	Depth to Water: <u>4.50</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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 Sampling Method: Bailer
Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible
 Extraction Pump
 Other: _____

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

<u>0.7</u>	X	<u>3</u>	=	<u>2.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
0930					Removed Dirt + Leaves from well box - cap loose - unable to prevent some dirt from entering well. Note: Well located near NO PARKING (RESERVED) ZONE
0939	60.9	5.9	852	0.75	clear w/ debris (grass + leaves)
0941	62.0	6.1	509	1.5	"
0943	62.2	6.2	488	2.25	"

Did well dewater? Yes No Gallons actually evacuated: 2

Sampling Time: 0946 Sampling Date: 2/5/03

Sample I.D.: MW-4 Laboratory: Pace Sequoia Other _____

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030205-BA1</u>	Station # <u>1104</u>
Sampler: <u>BRIAN ALCOGN</u>	Date: <u>2/5/03</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>14.05</u>	Depth to Water: <u>4.36</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: <u>Bailer</u> Disposable Bailer <u>Middleburg</u> Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: _____
--	--

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

<u>1.6</u>	X	<u>3</u>	=	<u>4.8</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>μS</u>)	Gals. Removed	Observations
0920					No Parking Zone Tuesday 0500-0630 Car parked over well in 2hr zone CA 3015906 Dodge Caravan (9-3pm)
1100					Note: FROGS W/CRACK HOUSE (ACROSS THE STREET) PARKS CARS THEY ARE WORKING ON HERE END THIS SIDE OF STREET.
1117	61.9	6.9 7.5	281	1.5	very cloudy bright dark green foamy
1120	61.7	6.9	232	3.0	"
1122	61.8	6.8	183	4.5	clear very mild odor

Did well dewater? Yes No Gallons actually evacuated: 5

Sampling Time: 1125 ^{TRAFFIC} WELL Sampling Date: 2/5/03

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

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

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

ARCO / BP WELL MONITORING DATA SHEET

BTS #: <u>030205-BA1</u>	Station # <u>1104</u>
Sampler: <u>Brian Alcorn</u>	Date: <u>2/5/03</u>
Well I.D.: <u>RW-1</u>	Well Diameter: 2 3 4 <u>(6)</u> 8
Total Well Depth: <u>22.35</u>	Depth to Water: <u>5.21</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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 Sampling Method: Bailer
Disposable Bailer Disposable Bailer
Middleburg Extraction Port
Electric Submersible Other: _____
Extraction Pump
Other: _____

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

<u>25.2</u>	x	<u>3</u>	=	<u>75.6</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Conductivity (mS or <u>µS</u>)	Gals. Removed	Observations
1034	62.2	6.7	212	25.0	cloudy brown
1037	Dewatered			@ 40.0	" DTW 20.41
1138	61.1	6.8	314	—	DTW 6.11

Did well dewater? Yes No Gallons actually evacuated: 40

Sampling Time: 1138 @ departure Sampling Date: 2/5/03

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

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

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

Chain of Custody Record

Project Name _____

BP BU/GEM CO Portfolio: _____


BP Laboratory Contract Number: _____

Requested Due Date (mm/dd/yy) Standard

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

BP/GEM Facility No.:	BP/GEM Facility Address: 1716 WEBSTER ST., ALAMEDA, CA	Consultant/Contractor: URS
Site ID No. 11104	Site Lat/Long: 95037	Address: 500 12th St., Ste. 200 Oakland, CA 94609-4014
California Global ID #: T0600101651	BP/GEM PM Contact: Scott Hooton	e-mail EDD: syed_rehan@urscorp.com
BP/GEM PM Contact: Scott Hooton	Address: 295 SW 41st St., Bldg. 13 Ste N	Consultant/Contractor Project No.:
408-782-6308	Renton, WA 98055	Consultant Tele/Fax: 510-874-1720 / 510-874-3268
EDF Reports	Tele/Fax: 425-251-0689/425-251-0736	Consultant/Contractor PM: Leonard Miles
		Invoice to: Consultant/Contractor of <u>BP/GEM</u> (Circle one)
		BP/GEM Work Release No: _____

Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis						Sample Point Lat/Long and Comments
	Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-G/BTEX (8015/8021)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE	DIPE, TBA (8260)	
1147	X					3			X								
1017	X					3			X								
0946	X					6			X								
1125	X					6			X								
1138	X					6			X								

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<u>Alcora</u>					
<u>16 Tech Services</u>					

Invoice to BP/GEM but send to URS for approval

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

WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client BP 11104 Date 2/5/03

Site Address 1716 WEBSTER ST

Job Number 030205-BA1 Technician Brian Alcorn

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X							
MW-2				X				
MW-3							X	X
MW-4			X	X				
MW-5				X				
RW-1	X							X

NOTES: MW-3 Cable attached to obstruction interferes w/ proper seal/locking of cap so current one left in place - no other deficiencies

BP GEM OIL COMPANY TYPE A BILL OF LADING

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

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

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

1104		
Station #		
1716 WEBSTER ST., ALAMEDA		
Station Address		
Total Gallons Collected From Groundwater Monitoring Wells:		
56		
added equip.	any other	
rinse water 14	adjustments	
TOTAL GALS.	loaded onto	
RECOVERED 70	BTS vehicle # 14	
BTS event #	time	date
030205-BA1	1200	2 / 5 / 03
signature		

REC'D AT	time	date
		/ /
unloaded by		
signature _____		

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

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment.



**Sequoia
Analytical**

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

14 March, 2003

Barbara Jacob
URS Corporation
500 12th Street, Suite 100
Oakland, CA 94607

RE: BP Heritage Site #11104, Alameda, CA
Sequoia Work Order: MMB0202

Enclosed are the results of analyses for samples received by the laboratory on 02/06/03 11:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt
Project Manager

CA ELAP Certificate #1210



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

Project: BP Heritage Site #11104, Alameda, CA
Project Number: BP Heritage Site #11104, Alameda, CA
Project Manager: Barbara Jacob

MMB0202
Reported:
03/14/03 11:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MMB0202-01	Water	02/05/03 11:47	02/06/03 11:55
MW-2	MMB0202-02	Water	02/05/03 10:17	02/06/03 11:55
MW-4	MMB0202-03	Water	02/05/03 09:46	02/06/03 11:55
MW-5	MMB0202-04	Water	02/05/03 11:25	02/06/03 11:55
RW-1	MMB0202-05	Water	02/05/03 11:38	02/06/03 11:55



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

Project: BP Heritage Site #11104, Alameda, CA
Project Number: BP Heritage Site #11104, Alameda, CA
Project Manager: Barbara Jacob

MMB0202
Reported:
03/14/03 11:07

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MMB0202-01) Water Sampled: 02/05/03 11:47 Received: 02/06/03 11:55									
Gasoline Range Organics (C6-C10)	770	250	ug/l	5	3B16001	02/16/03	02/16/03	8015Bm/8021B	
Benzene	29	2.5	"	"	"	"	"	"	
Toluene	9.8	2.5	"	"	"	"	"	"	
Ethylbenzene	4.2	2.5	"	"	"	"	"	"	
Xylenes (total)	47	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	590	12	"	"	"	"	"	"	E, Q-23
Surrogate: <i>a,a,a</i> -Trifluorotoluene		77.1 %		55-142	"	"	"	"	
MW-2 (MMB0202-02) Water Sampled: 02/05/03 10:17 Received: 02/06/03 11:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	3B16001	02/16/03	02/16/03	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	Q-23
Surrogate: <i>a,a,a</i> -Trifluorotoluene		92.8 %		55-142	"	"	"	"	
MW-4 (MMB0202-03) Water Sampled: 02/05/03 09:46 Received: 02/06/03 11:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	3B16001	02/16/03	02/16/03	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	Q-23
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.9 %		55-142	"	"	"	"	



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

Project: BP Heritage Site #11104, Alameda, CA
Project Number: BP Heritage Site #11104, Alameda, CA
Project Manager: Barbara Jacob

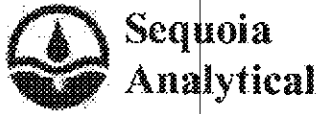
MMB0202
Reported:
03/14/03 11:07

**Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (MMB0202-04) Water Sampled: 02/05/03 11:25 Received: 02/06/03 11:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	3B14019	02/14/03	02/14/03	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>112 %</i>	<i>55-142</i>		"	"	"	"	
RW-1 (MMB0202-05) Water Sampled: 02/05/03 11:38 Received: 02/06/03 11:55									
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	3B16001	02/16/03	02/16/03	8015Bm/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	0.68	0.50	"	"	"	"	"	"	
Xylenes (total)	1.7	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	18	2.5	"	"	"	"	"	"	Q-23
<i>Surrogate: a,a,a-Trifluorotoluene</i>		<i>97.6 %</i>	<i>55-142</i>		"	"	"	"	

Sequoia Analytical - Morgan Hill

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



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

URS Corporation 500 12th Street, Suite 100 Oakland CA, 94607	Project: BP Heritage Site #11104, Alameda, CA Project Number: BP Heritage Site #11104, Alameda, CA Project Manager: Barbara Jacub	MMB0202 Reported: 03/14/03 11:07
--	---	--

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3B14019 - EPA 5030B [P/T]

Blank (3B14019-BLK1)

Prepared & Analyzed: 02/14/03

Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							

<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.2		"	10.0		102	55-142			
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Laboratory Control Sample (3B14019-BS1)

Prepared & Analyzed: 02/14/03

Benzene	9.60	0.50	ug/l	10.0		96.0	68-140			
Toluene	9.64	0.50	"	10.0		96.4	76-127			
Ethylbenzene	9.87	0.50	"	10.0		98.7	77-130			
Xylenes (total)	29.8	0.50	"	30.0		99.3	78-128			

<i>Surrogate: a,a,a-Trifluorotoluene</i>	11.6		"	10.0		116	55-142			
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Laboratory Control Sample (3B14019-BS2)

Prepared & Analyzed: 02/14/03

Gasoline Range Organics (C6-C10)	243	50	ug/l	250		97.2	62-134			
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<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.9		"	10.0		109	55-142			
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Matrix Spike (3B14019-MS1)

Source: MMB0103-04

Prepared & Analyzed: 02/14/03

Gasoline Range Organics (C6-C10)	409	50	ug/l	550	ND	74.4	62-134			
Benzene	8.46	0.50	"	6.80	ND	124	68-140			
Toluene	31.9	0.50	"	41.0	0.11	77.5	76-127			
Ethylbenzene	8.07	0.50	"	9.80	ND	82.3	77-130			
Xylenes (total)	38.7	0.50	"	47.9	ND	80.8	78-128			

<i>Surrogate: a,a,a-Trifluorotoluene</i>	10.4		"	10.0		104	55-142			
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Matrix Spike Dup (3B14019-MSD1)

Source: MMB0103-04

Prepared & Analyzed: 02/14/03

Gasoline Range Organics (C6-C10)	410	50	ug/l	550	ND	74.5	62-134	0.244	41	
Benzene	9.19	0.50	"	6.80	ND	135	68-140	8.27	30	

Sequoia Analytical - Morgan Hill

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

Project: BP Heritage Site #11104, Alameda, CA
Project Number: BP Heritage Site #11104, Alameda, CA
Project Manager: Barbara Jacob

MMB0202
Reported:
03/14/03 11:07,

**Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3B14019 - EPA 5030B [P/T]

Matrix Spike Dup (3B14019-MSD1)

Source: MMB0103-04

Prepared & Analyzed: 02/14/03

Toluene	34.8	0.50	ug/l	41.0	0.11	84.6	76-127	8.70	30	
Ethylbenzene	8.90	0.50	"	9.80	ND	90.8	77-130	9.78	21	
Xylenes (total)	42.4	0.50	"	47.9	ND	83.5	78-128	9.12	21	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>55-142</i>			

Batch 3B16001 - EPA 5030B [P/T]

Blank (3B16001-BLK1)

Prepared & Analyzed: 02/16/03

Gasoline Range Organics (C6-C10)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>9.34</i>		<i>"</i>	<i>10.0</i>		<i>93.4</i>	<i>55-142</i>			

Laboratory Control Sample (3B16001-BS1)

Prepared & Analyzed: 02/16/03

Benzene	9.08	0.50	ug/l	10.0		90.8	68-140			
Toluene	9.07	0.50	"	10.0		90.7	76-127			
Ethylbenzene	9.31	0.50	"	10.0		93.1	77-130			
Xylenes (total)	28.4	0.50	"	30.0		94.7	78-128			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>9.13</i>		<i>"</i>	<i>10.0</i>		<i>91.3</i>	<i>55-142</i>			

Laboratory Control Sample (3B16001-BS2)

Prepared & Analyzed: 02/16/03

Gasoline Range Organics (C6-C10)	285	50	ug/l	250		114	62-134			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	<i>12.9</i>		<i>"</i>	<i>10.0</i>		<i>129</i>	<i>55-142</i>			

Sequoia Analytical - Morgan Hill

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

Project: BP Heritage Site #11104, Alameda, CA
Project Number: BP Heritage Site #11104, Alameda, CA
Project Manager: Barbara Jacob

MMB0202
Reported:
03/14/03 11:07

Total Purgeable Hydrocarbons (C6-C10) by EPA 8015B modified, BTEXM by EPA 8021B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3B16001 - EPA 5030B [P/T]

Matrix Spike (3B16001-MS1)

Source: MMB0311-07

Prepared & Analyzed: 02/16/03

Gasoline Range Organics (C6-C10)	462	50	ug/l	550	ND	84.0	62-134			
Benzene	6.57	0.50	"	6.80	ND	96.6	68-140			
Toluene	35.4	0.50	"	41.0	ND	86.3	76-127			
Ethylbenzene	7.73	0.50	"	9.80	ND	78.9	77-130			
Xylenes (total)	38.9	0.50	"	47.9	ND	81.2	78-128			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	15.4		"	10.0		154	55-142			S-02

Matrix Spike Dup (3B16001-MSD1)

Source: MMB0311-07

Prepared: 02/16/03 Analyzed: 02/17/03

Gasoline Range Organics (C6-C10)	478	50	ug/l	550	ND	86.9	62-134	3.40	41	
Benzene	7.72	0.50	"	6.80	ND	114	68-140	16.1	30	
Toluene	37.1	0.50	"	41.0	ND	90.5	76-127	4.69	30	
Ethylbenzene	8.66	0.50	"	9.80	ND	88.4	77-130	11.3	21	
Xylenes (total)	43.6	0.50	"	47.9	ND	91.0	78-128	11.4	21	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	18.1		"	10.0		181	55-142			S-02

Sequoia Analytical - Morgan Hill

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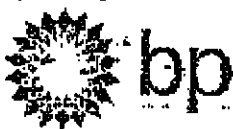
URS Corporation
500 12th Street, Suite 100
Oakland CA, 94607

Project: BP Heritage Site #11104, Alameda, CA
Project Number: BP Heritage Site #11104, Alameda, CA
Project Manager: Barbara Jacub

MMB0202
Reported:
03/14/03 11:07

Notes and Definitions

- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
- Q-23 The closing calibration was outside acceptance limits by 1% high. This should be considered in evaluating the result. The average % difference for all analytes met the 15% requirement and the QC suggests that calibration linearity is not a factor.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference



Chain of Custody Record

Project Name _____
 BP BU/GEM CO Portfolio: _____
 BP Laboratory Contract Number: _____

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

Date: 2/5/03

Requested Due Date (mm/dd/yy) Standard MMB0202

Send To:	BP/GEM Facility No.:	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 1716 WEBSTER ST., ALAMEDA, CA	Address: 500 12th St., Ste. 200
Lab Address: 885 Jarvis Dr. Morgan Hill, CA 95037	Site ID No. 11104	Oakland, CA 94609-4014
	Site Lat/Long:	e-mail EDD: syed.rehan@urscorp.com
	California Global ID #: T0800:01651	Consultant/Contractor Project No.:
Lab PM: Latonya Pelt	BP/GEM PM Contact: Scott Hooton	Consultant Tel/Fax: 510-874-1720 / 510-87
Tel/Fax: 408-776-9600 / 408-782-6308	Address: 295 SW 41st St., Bldg. 13 Ste N	Consultant/Contractor PM: Leonard Miles
Report Type & QC Level: Send EDP Reports	Renton, WA 98055	Invoice to: Consultant/Contractor of BP/GEM
BP/GEM Account No.:	Tel/Fax: 425-251-0689/425-251-0736	BP/GEM Work Release No.:

Item No.	Sample Description	Time	Matrix				Laboratory No.	No. of containers	Preservatives				Requested Analysis						Sample Polar La Comme
			Soil/Solid	Water/Liquid	Sediments	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	TPH-G/HTX (8015/8021)	TPH-D (8015)	MTBE (8021)	MTBH (8260)	MTBE, TAMB, ETBE DIPE, DBA (8260)	L2-DCA & EDB (8260)	
1	MW-1	1147	X				01				X								
2	MW-2	1017	X				01				X								
3	MW-4	0946	X				07				X								
4	MW-5	1125	X				09				X								
5	MW BRW-1	1138	X				05				X								
6																			
7																			
8																			
9																			
10																			

Sampler's Name: <u>Brian A. Coors</u>	Relinquished By / Affiliation: _____	Date: <u>2/6/03</u>	Time: <u>11:30</u>	Accepted By / Affiliation: _____	Date: <u>2/6/03</u>	Time: <u>11</u>
Sampler's Company: <u>BLAKE TECH SERVICES</u>	_____	Date: <u>2/6/03</u>	Time: <u>11:35</u>	_____	Date: <u>2/6/03</u>	Time: <u>11</u>
Shipment Date: _____	_____	_____	_____	_____	_____	_____
Shipment Method: _____	_____	_____	_____	_____	_____	_____
Shipment Tracking No: _____	_____	_____	_____	_____	_____	_____

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

Seals In Place Yes No X Temperature Blank Yes No X Cooler Temperature on Receipt 9.8 °F (C) Trip Blank Yes No X

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

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
 REC. BY (PRINT) A.S
 WORKORDER: MMB6262

DATE Received at Lab: 2-6-03
 TIME Received at Lab: 1155
 LOG IN DATE: 2-8-03

Drinking water for
 regulatory purposes:
 Wastewater for
 regulatory purposes:

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	#	CLIENT ID	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMPLED	REI CONDI
1. Custody Seal(s) Present <input checked="" type="radio"/> Absent Intact / Broken*	01		MW-1	16) No. 8 HCl	L	2-5-03	Left B
2. Chain-of-Custody <input checked="" type="radio"/> Present / Absent*	02		MW-2	↓	↓	↓	
3. Traffic Reports or Packing List: Present / <input checked="" type="radio"/> Absent	03		MW-4	↓	↓	↓	
4. Airbill: Airbill / Sticker Present <input checked="" type="radio"/> Absent*	04		MW-5	↓	↓	↓	
5. Airbill #:	05		RW-1	↓	↓	↓	
6. Sample Labels: <input checked="" type="radio"/> Present / Absent							
7. Sample IDs: <input checked="" type="radio"/> Listed / Not Listed on Chain-of-Custody							
8. Sample Condition: <input checked="" type="radio"/> Intact / Broken* / Leaking*							
9. Does information on custody reports, traffic reports and sample labels agree? <input checked="" type="radio"/> Yes / No*							
10. Sample received within hold time: <input checked="" type="radio"/> Yes / No*							
11. Proper Preservatives used: <input checked="" type="radio"/> Yes / No*							
12. Temp Rec. at Lab: Is temp 4 +/- 2°C? <input checked="" type="radio"/> Yes / No** (Acceptance range for samples requiring thermal pres.)							
**Exception (if any): Metals / DFF on ice? / DFF no ice? or Problem COC							

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

ATTACHMENT D

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

04/21/03

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	BP Heritage Site #11104,
Work Order Number:	MMB0202
Global ID:	T0600101651
Lab Report Number:	MMB0202031420031107

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
MMB02020314200	MW-1	MMB020201	W	CS	SW8021F	SW5030B	02/05/03	02/16/03	02/16/03	3B16001	1	
31107												
MMB02020314200	MW-2	MMB020202	W	CS	SW8021F	SW5030B	02/05/03	02/16/03	02/16/03	3B16001	1	
31107												
MMB02020314200	MW-4	MMB020203	W	CS	SW8021F	SW5030B	02/05/03	02/16/03	02/16/03	3B16001	1	
31107												
MMB02020314200	MW-5	MMB020204	W	CS	SW8021F	SW5030B	02/05/03	02/14/03	02/14/03	3B14019	1	
31107												
MMB02020314200	RW-1	MMB020205	W	CS	SW8021F	SW5030B	02/05/03	02/16/03	02/16/03	3B16001	1	
31107												
		MMB010304	W	NC	SW8021F	SW5030B	//	02/14/03	02/14/03	3B14019	1	
		MMB031107	W	NC	SW8021F	SW5030B	//	02/16/03	02/16/03	3B16001	1	
		3B14019BS1	WQ	BS1	SW8021F	SW5030B	//	02/14/03	02/14/03	3B14019	1	
		3B14019BS2	WQ	BS2	SW8021F	SW5030B	//	02/14/03	02/14/03	3B14019	1	
		3B14019BLK1	WQ	LB1	SW8021F	SW5030B	//	02/14/03	02/14/03	3B14019	1	
		3B14019MS1	W	MS1	SW8021F	SW5030B	//	02/14/03	02/14/03	3B14019	1	
		3B14019MSD1	W	SD1	SW8021F	SW5030B	//	02/14/03	02/14/03	3B14019	1	
		3B16001BS1	WQ	BS1	SW8021F	SW5030B	//	02/16/03	02/16/03	3B16001	1	
		3B16001BS2	WQ	BS2	SW8021F	SW5030B	//	02/16/03	02/16/03	3B16001	1	
		3B16001BLK1	WQ	LB1	SW8021F	SW5030B	//	02/16/03	02/16/03	3B16001	1	
		3B16001MS1	W	MS1	SW8021F	SW5030B	//	02/16/03	02/16/03	3B16001	1	
		3B16001MSD1	W	SD1	SW8021F	SW5030B	//	02/16/03	02/17/03	3B16001	1	

EDFSAMP: Error Summary Log

04/21/03

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

EDFTEST: Error Summary Log

04/21/03

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

EDFRES: Error Summary Log

04/21/03

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	3B14019MS1	MS1	W	SW8021F	PR	02/14/03	1	AAATFBZME
Warning: extra parameter	3B14019MS1	MS1	W	SW8021F	PR	02/14/03	1	GROC6C10
Warning: extra parameter	3B14019MSD1	SD1	W	SW8021F	PR	02/14/03	1	AAATFBZME
Warning: extra parameter	3B14019MSD1	SD1	W	SW8021F	PR	02/14/03	1	GROC6C10
Warning: extra parameter	3B16001MS1	MS1	W	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	3B16001MS1	MS1	W	SW8021F	PR	02/16/03	1	GROC6C10
Warning: extra parameter	3B16001MSD1	SD1	W	SW8021F	PR	02/17/03	1	AAATFBZME
Warning: extra parameter	3B16001MSD1	SD1	W	SW8021F	PR	02/17/03	1	GROC6C10
Warning: extra parameter	MMB010304	NC	W	SW8021F	PR	02/14/03	1	AAATFBZME
Warning: extra parameter	MMB010304	NC	W	SW8021F	PR	02/14/03	1	GROC6C10
Warning: extra parameter	MMB020201	CS	W	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	MMB020201	CS	W	SW8021F	PR	02/16/03	1	GROC6C10
Warning: extra parameter	MMB020201	CS	W	SW8021F	PR	02/16/03	1	MTBE
Warning: extra parameter	MMB020202	CS	W	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	MMB020202	CS	W	SW8021F	PR	02/16/03	1	GROC6C10
Warning: extra parameter	MMB020202	CS	W	SW8021F	PR	02/16/03	1	MTBE
Warning: extra parameter	MMB020203	CS	W	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	MMB020203	CS	W	SW8021F	PR	02/16/03	1	GROC6C10
Warning: extra parameter	MMB020203	CS	W	SW8021F	PR	02/16/03	1	MTBE
Warning: extra parameter	MMB020204	CS	W	SW8021F	PR	02/14/03	1	AAATFBZME
Warning: extra parameter	MMB020204	CS	W	SW8021F	PR	02/14/03	1	GROC6C10
Warning: extra parameter	MMB020204	CS	W	SW8021F	PR	02/14/03	1	MTBE
Warning: extra parameter	MMB020205	CS	W	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	MMB020205	CS	W	SW8021F	PR	02/16/03	1	GROC6C10
Warning: extra parameter	MMB020205	CS	W	SW8021F	PR	02/16/03	1	MTBE

Error type	Labsampid	Qccode	Matrix	Anrcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	MMB031107	NC	W	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	MMB031107	NC	W	SW8021F	PR	02/16/03	1	GROC6C10
Warning: extra parameter	3B14019BLK1	LB1	WQ	SW8021F	PR	02/14/03	1	AAATFBZME
Warning: extra parameter	3B14019BLK1	LB1	WQ	SW8021F	PR	02/14/03	1	GROC6C10
Warning: extra parameter	3B14019BLK1	LB1	WQ	SW8021F	PR	02/14/03	1	MTBE
Warning: extra parameter	3B14019BS1	BS1	WQ	SW8021F	PR	02/14/03	1	AAATFBZME
Warning: extra parameter	3B14019BS2	BS2	WQ	SW8021F	PR	02/14/03	1	AAATFBZME
Warning: extra parameter	3B14019BS2	BS2	WQ	SW8021F	PR	02/14/03	1	GROC6C10
Warning: extra parameter	3B16001BLK1	LB1	WQ	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	3B16001BLK1	LB1	WQ	SW8021F	PR	02/16/03	1	GROC6C10
Warning: extra parameter	3B16001BLK1	LB1	WQ	SW8021F	PR	02/16/03	1	MTBE
Warning: extra parameter	3B16001BS1	BS1	WQ	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	3B16001BS2	BS2	WQ	SW8021F	PR	02/16/03	1	AAATFBZME
Warning: extra parameter	3B16001BS2	BS2	WQ	SW8021F	PR	02/16/03	1	GROC6C10

EDFQC: Error Summary Log

04/21/03

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

EDFCL: Error Summary Log

04/21/03

Error type	Clevdate	Anmcode	Exmcode	Parlabel	Cicode
There are no errors in this data file	11				

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Confirmation Number: 1138472795
Date/Time of Submittal: 4/21/2003 12:31:34 PM
Facility Global ID: T0600101651
Facility Name: BP
Submittal Title: 1st Qtr 2003 Groundwater Monitoring
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND
(CONTRACTOR)

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**Processing is complete. No errors were found!
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**Submittal Title: 1st Qtr 2003 Groundwater
Monitoring**

Submittal Date/Time: 4/21/2003 12:33:56 PM

**Confirmation
Number: 4403492569**

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