URS

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Alameda County
NOV 14 2002
Environmental Health

November 7, 2002

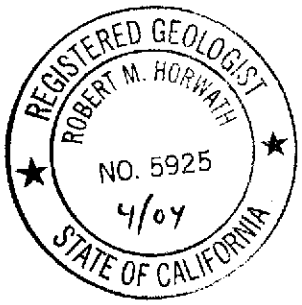
Mr. Amir K. Gholami
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Third Quarter 2002 Monitoring Report
BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, California
URS Project #38485952

Dear Mr. Gholami:

On behalf of BP (an affiliated company of the Group Environmental Management Company), URS Corporation (URS) is submitting the attached report, which presents the results of the third quarter 2002 groundwater monitoring program at the BP Service Station #11107, located at 18501 Hesperian Boulevard, San Lorenzo, California.

Please call if you have any questions.



Sincerely,
URS CORPORATION

Robert M. Horwath, R.G.
Senior Geologist

Attachment: Quarterly Groundwater Monitoring Report, Third Quarter 2002

cc: Mr. Scott Hooton, BP Oil Company, Environmental Resources management, 295 SW 41st Street, Building 13, Suite N, Renton, Washington 98055-4931
Ms. Liz Sewell, Risk Management and Remediation Group, Tosco, 3525 Hyland Avenue, Costa Mesa, California 92626

URS Corporation
500 12th Street, Suite 200
Oakland, CA 94607-4014
Tel: 510.893.3600
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Quarterly Groundwater Monitoring Report
Third Quarter 2002

BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, California

Prepared for

BP

November 7, 2002

Prepared by

URS Corporation

500 12th Street, Suite 200
Oakland, California 94607

Project 38485952

URS

Date: November 7, 2002
Quarter: 3Q 02

BP GEM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	11107	Address:	18501 Hesperian Boulevard, San Lorenzo, California
BP Oil Company Environmental Engineer:			Scott Hooton
Consulting Co./Contact Person:			URS Corporation/Robert M. Horwath
Consultant Project No.:			38485952
Primary Agency/Regulatory ID No.:			Alameda County Health Care Services

WORK PERFORMED THIS QUARTER (Third – 2002):

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

WORK PROPOSED FOR NEXT QUARTER (Fourth – 2002):

1. Perform fourth quarter 2002 groundwater monitoring event.
2. Prepare and submit third quarter 2002 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Wells MW-4 through MW-6, quarterly
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Current Remediation Techniques:	None currently
Approximate Depth to Groundwater:	16.14 (MW-6) to 17.93 (MW-1) feet
Groundwater Gradient (direction):	Northwest
Groundwater Gradient (magnitude):	0.004 feet per foot

DISCUSSION:

TPH-g was detected in none of three wells sampled. Benzene, Toluene, Ethylbenzene, and Xylene were not detected in any of the three wells sampled. MTBE was detected in all three wells, ranging from 6.73 µg/L (MW-6) to 57.6 µg/L (MW-5). Groundwater elevations across the site decreased by an average of approximately 0.55 feet this quarter, and the groundwater flow direction was to the northwest at a calculated hydraulic gradient of 0.004 feet per foot.

URS

ATTACHMENTS:

- QMR Disclaimer
- Table 1 – Groundwater Elevation and Analytical Data
- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – August 6, 2002
- Chart 1 – Concentration and Water Level Trends, Well MW-5
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C - EDCC Report and EDF/Geowell Submittal Confirmation

URS QUARTERLY MONITORING REPORT
DISCLAIMER
GROUP ENVIRONMENTAL MANAGEMENT COMPANY SITES

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

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

The analytical data provided by the laboratory approved by Group Environmental Management Company have been reviewed and verified by that laboratory. URS has not performed an independent review of the data and is neither responsible for nor has confirmed the accuracy of these data.

Table 1
Groundwater Elevation and Analytical Data
BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-1		11/4/92	41.07	20.78	20.29	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	ND<5000	2.8	ND	---	PACE
QC-1	(c)	11/4/92	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
MW-1		2/24/94	41.07	20.70	20.37	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	ND<5000	1.5	0.9	---	PACE
MW-1		5/12/94	41.07	18.12	22.95	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	ND<5000	1.0	ND<0.5	7	PACE
MW-1		9/9/94	41.07	21.74	19.33	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	ND<5000	ND<0.5	ND<0.5	2.3	PACE
MW-1		11/3/94	41.07	20.01	21.06	ND<50	50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	ND<5000	ND<0.5	ND<0.5	4.3	PACE
MW-1		3/1/95	41.07	17.44	23.63	ND<50	ND<500	ND<50	ND<0.50	ND<0.50	ND<1.0	---		420	0.54	0.3	2.3	ATI
MW-1		6/6/95	41.07	17.55	23.52	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		9/1/95	41.07	18.19	22.88	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		60	---	---	8.8	ATI
MW-1		11/29/95	41.07	18.84	22.23	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		3/23/96	41.07	16.97	24.10	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	9.6	SPL
MW-1		9/5/96	41.07	17.74	23.33	110	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	3.6	SPL
MW-1		3/11/97	41.07	17.62	23.45	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	5.2	SPL
MW-1		12/8/97	41.07	16.30	24.77	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	---	---
MW-1		7/8/98	41.07	16.66	24.41	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		12/7/98	41.07	17.80	23.27	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		1/19/99	41.07	17.18	23.89	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		4/23/99	41.07	17.40	23.67	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		7/20/99	41.07	17.76	23.31	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		2/29/00	41.07	17.17	23.90	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		4/14/00	41.07	17.22	23.85	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		7/24/00	41.07	17.61	23.46	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		10/30/00	41.07	17.76	23.31	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		1/11/01	41.07	17.88	23.19	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		5/17/01	41.07	17.82	23.25	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		7/2/01	41.07	17.95	23.12	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		11/2/01	41.07	18.25	22.82	---	---	---	---	---	---	---		---	---	---	---	---
MW-1		**8/6/02***	**41.07**	**17.93**	**23.14**	---	---	---	---	---	---	---		---	---	---	---	---

Table 1
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18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-2	11/4/92	40.56	20.16	20.40	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
MW-2	2/24/94	40.56	20.12	20.44	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	---	PACE
MW-2	5/12/94	40.56	17.49	23.07	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	7.4	PACE
MW-2	9/9/94	40.56	21.12	19.44	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	2.1	PACE
MW-2	11/3/94	40.56	19.36	21.20	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	4.2	PACE
MW-2	3/1/95	40.56	16.83	23.73	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	2.2	ATI
MW-2	6/6/95	40.56	16.96	23.60	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	9/1/95	40.56	17.54	23.02	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	7.9	ATI
MW-2	11/29/95	40.56	18.19	22.37	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	3/23/96	40.56	16.35	24.21	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	8.5	SPL
MW-2	9/5/96	40.56	17.55	23.01	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	3.2	SPL
MW-2	3/11/97	40.56	16.95	23.61	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	2.9	SPL
MW-2	12/8/97	40.56	16.01	24.55	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	3.0	SPL
MW-2	7/8/98	40.56	16.41	24.15	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	12/7/98	40.56	17.15	23.41	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	1/19/99	40.56	17.15	23.41	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	4/23/99	40.56	16.89	23.67	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	7/20/99	40.56	17.25	23.31	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	12/30/99	40.56	17.44	23.12	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	2/29/00	40.56	16.13	24.43	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	4/14/00	40.56	16.88	23.68	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	7/24/00	40.56	17.11	23.45	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	10/30/00	40.56	17.12	23.44	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	1/11/01	40.56	17.28	23.28	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	5/17/01	40.56	17.20	23.36	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	7/2/01	40.56	17.45	23.11	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	11/2/01	40.56	17.62	22.94	---	---	---	---	---	---	---		---	---	---	---	---
MW-2	**8/6/02***	**40.56**	**17.42**	**23.14**	**---**	**---**	**---**	**---**	**---**	**---**	**---**		**---**	**---**	**---**	**---**	**---**

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BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-3	11/4/92	40.45	20.23	20.22	760	---	3.7	15	1.9	57	---	(j)	---	---	---	---	PACE
MW-3	2/24/94	40.45	20.24	20.21	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	30.66	(j)	---	---	---	---	PACE
MW-3	5/12/94	40.45	17.61	22.84	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.11	(j)	---	---	---	7.3	PACE
MW-3	9/9/94	40.45	21.22	19.23	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	2	PACE
MW-3	11/3/94	40.45	19.48	20.97	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10.98	(j)	---	---	---	3.6	PACE
MW-3	3/1/95	40.45	17.08	23.37	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	1.9	ATI
MW-3	6/6/95	40.45	17.21	23.24	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	9/1/95	40.45	17.69	22.76	200	---	2.7	33	7.2	43	ND<5.0		---	---	---	7.8	ATI
MW-3	9/1/95	40.45	18.29	22.16	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	3/23/96	40.45	16.59	23.86	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	7.3	SPL
MW-3	9/5/96	40.45	17.71	22.74	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	3.2	SPL
MW-3	3/11/97	40.45	17.17	23.28	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	1.5	SPL
MW-3	12/8/97	40.45	16.12	24.33	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	1.9	SPL
MW-3	7/8/98	40.45	16.40	24.05	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	12/7/98	40.45	17.32	23.13	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	1/19/99	40.45	17.30	23.15	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	4/23/99	40.45	17.07	23.38	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	7/20/99	40.45	17.47	22.98	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	12/30/99	40.45	17.60	22.85	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	2/29/00	40.45	16.43	24.02	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	4/14/00	40.45	17.09	23.36	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	7/24/00	40.45	17.44	23.01	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	10/30/00	40.45	17.29	23.16	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	1/11/01	40.45	17.49	22.96	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	5/17/01	40.45	17.45	23.00	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	7/2/01	40.45	17.70	22.75	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	11/2/01	40.45	17.82	22.63	---	---	---	---	---	---	---		---	---	---	---	---
MW-3	**8/6/02***	**40.45**	**17.62**	**22.83**	**---**	**---**	**---**	**---**	**---**	**---**	**---**		**---**	**---**	**---**	**---**	**---**

Table 1
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BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/L)	TPH-D (ug/L)		B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-4		11/4/92	39.24	19.18	20.06	900	---		150	4.1	0.8	53	---	(j)	---	---	---	---	PACE
MW-4		2/24/94	39.24	19.22	20.02	240	---		110	3.8	1.8	11	1433	(d)(j)	---	---	---	---	PACE
QC-1	(c)	2/24/94	---	---	---	310	---		95	5.3	2.2	17	1479	(d)(j)	---	---	---	---	PACE
MW-4		5/12/94	39.24	16.62	22.62	ND<50	---		2.2	1.0	ND<0.5	ND<0.5	862	(d)(j)	---	---	---	7.3	PACE
QC-1	(c)	5/12/94	---	---	---	430	---		2.6	1.3	ND<0.5	ND<0.5	912	(d)(j)	---	---	---	---	PACE
MW-4		9/9/94	39.24	20.27	18.97	240	---		9.1	1.3	0.6	2.5	397	(j)	---	---	---	2.2	PACE
QC-1	(c)	9/9/94	---	---	---	57	---		1.7	ND<0.5	ND<0.5	0.5	83	(j)	---	---	---	---	PACE
MW-4		11/3/94	39.24	18.46	20.78	250	---		3.1	2.8	1.0	3.3	319	(j)	---	---	---	3.2	PACE
QC-1	(c)	11/3/94	---	---	---	110	---		2.4	ND<0.5	ND<0.5	ND<0.5	642	(j)	---	---	---	---	PACE
MW-4		3/1/95	39.24	16.15	23.09	8900	---		1800	26	450	400	---		---	---	---	2.0	ATI
QC-1	(c)	3/1/95	---	---	---	7600	---		1700	25	410	370	---		---	---	---	---	ATI
MW-4		6/6/95	39.24	16.28	22.96	3100	---	(e)	530	25	170	85	---		---	---	---	---	ATI
QC-1	(c)	6/6/95	---	---	---	3000	---		530	27	170	92	---		---	---	---	---	ATI
MW-4	(f)	9/1/95	39.24	---	---	---	---		---	---	---	---	---		---	---	---	---	---
MW-4		11/29/95	39.24	17.31	21.93	ND<50	---		1.8	ND<0.50	ND<0.50	ND<1.0	440		---	---	---	3.2	ATI
QC-1	(c)	11/29/95	---	---	---	ND<50	---		1.5	ND<0.50	ND<0.50	ND<1.0	490		---	---	---	---	ATI
MW-4		3/23/96	39.24	15.74	23.50	2700	---		480	ND<25	180	176	13000		---	---	---	7.8	SPL
MW-4		9/5/96	39.24	16.75	22.49	1100	---		ND<12	ND<25	ND<25	ND<25	3200		---	---	---	4.0	SPL
MW-4		3/11/97	39.24	16.10	23.14	2400	---		46	ND<10	66	106	3400		---	---	---	4.0	SPL
MW-4		12/8/97	39.24	15.96	23.28	590	---		11	ND<1.0	ND<1.0	ND<1.0	1200		---	---	---	4.4	SPL
QC-1	(c)	12/8/97	---	---	---	620	---		11	ND<1.0	ND<1.0	ND<1.0	1100		---	---	---	---	SPL
MW-4		7/8/98	39.24	16.28	22.96	1700	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	1200		---	---	---	3.9	SPL
QC-1	(c)	7/8/98	---	---	---	1600	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	1100		---	---	---	---	SPL
MW-4		12/7/98	39.24	16.47	22.77	530	---		ND<2.5	ND<5.0	ND<5.0	ND<5.0	680/910	(h)	---	---	---	---	SPL
MW-4		1/19/99	39.24	16.40	22.84	570	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	660		---	---	---	---	SPL
MW-4		4/23/99	39.24	16.17	23.07	ND<50	---		ND<1.0	ND<1.0	1.8	1.3	1100/810	(h)	---	---	---	---	SPL
MW-4		7/20/99	39.24	16.39	22.85	ND<50	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	480		---	---	---	---	SPL
MW-4		12/30/99	39.24	16.56	22.68	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	410		---	---	---	---	PACE
MW-4		2/29/00	39.24	15.69	23.55	78	---	(i)	2.0	ND<0.5	0.77	2.8	1200		---	---	---	---	PACE
MW-4		4/14/00	39.24	16.21	23.03	300	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	800		---	---	---	---	PACE
MW-4		7/24/00	39.24	16.50	22.74	130	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	270		---	---	---	---	PACE
MW-4		10/30/00	39.24	16.35	22.89	73	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	210		---	---	---	---	PACE
MW-4		1/11/01	39.24	16.46	22.78	120	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	176		---	---	---	---	PACE
MW-4		5/17/01	39.24	16.40	22.84	99	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	119		---	---	---	---	PACE
MW-4		7/2/01	39.24	16.75	22.49	63	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	87.6		---	---	---	---	PACE
MW-4		11/2/01	39.24	16.80	22.44	56	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	49.6		---	---	---	---	PACE
MW-4		**8/6/02***	**39.24**	**16.60**	**22.64**	**ND<50**	**---**		**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<1.5**	**14.4**		**---**	**---**	**---**	**---**	**PACE**

Table 1
Groundwater Elevation and Analytical Data
BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)		B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-5		6/6/95	39.07	16.16	22.91	1100	---	(e)	42	ND<2.5	15	4.0	---		---	---	---	---	ATI
MW-5		9/1/95	39.07	16.63	22.44	1600	---		55	ND<2.5	15	8.0	1200		---	---	---	7.4	ATI
QC-1	(c)	9/1/95	---	---	---	1200	---		64	ND<2.5	14	3.1	---		---	---	---	---	ATI
MW-5		11/29/95	39.07	17.19	21.88	2300	---		140	4.0	36	11	1500		---	---	---	4.1	ATI
MW-5		3/23/96	39.07	15.54	23.53	90	---		2.8	ND<1	ND<1	ND<1	1500		---	---	---	7.5	SPL
MW-5		9/5/96	39.07	16.72	22.35	2300	---		5.1	ND<1.0	ND<1.0	ND<1.0	3300		---	---	---	3.2	SPL
QC-1	(c)	9/5/96	---	---	---	2000	---		4.9	ND<1.0	ND<1.0	ND<1.0	2900		---	---	---	---	SPL
MW-5		3/11/97	39.07	16.12	22.95	470	---		ND<5.0	ND<5.0	ND<5.0	ND<5.0	580		---	---	---	3.0	SPL
QC-1	(c)	3/11/97	---	---	---	460	---		ND<5.0	ND<5.0	ND<5.0	ND<5.0	540		---	---	---	---	SPL
MW-5		12/8/97	39.07	15.85	23.22	370	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	840		---	---	---	3.0	SPL
MW-5		7/8/98	39.07	16.11	22.96	430	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	330		---	---	---	2.5	SPL
MW-5		12/7/98	39.07	16.27	22.80	220	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	290/410	(h)	---	---	---	---	SPL
MW-5		1/19/99	39.07	16.31	22.76	490	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	490/440	(h)	---	---	---	---	SPL
MW-5		4/23/99	39.07	16.00	23.07	ND<50	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	310/210	(h)	---	---	---	---	SPL
MW-5		7/20/99	39.07	16.36	22.71	ND<50	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	470		---	---	---	---	SPL
MW-5		12/30/99	39.07	16.53	22.54	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	550		---	---	---	---	PACE
MW-5		2/29/00	39.07	15.45	23.62	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	280		---	---	---	---	PACE
MW-5		4/14/00	39.07	16.10	22.97	81	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	240		---	---	---	---	PACE
MW-5		7/24/00	39.07	16.50	22.57	250	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	570		---	---	---	---	PACE
MW-5		10/30/00	39.07	16.23	22.84	140	---		ND<0.5	0.7	ND<0.5	1.1	360		---	---	---	---	PACE
MW-5		1/11/01	39.07	16.41	22.66	420	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	585		---	---	---	---	PACE
MW-5		5/17/01	39.07	16.45	22.62	360	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	419		---	---	---	---	PACE
MW-5		7/2/01	39.07	16.65	22.42	210	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	264		---	---	---	---	PACE
MW-5		11/2/01	39.07	16.73	22.34	130	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	134		---	---	---	---	PACE
MW-5		**8/6/02***	**39.07**	**16.57**	**22.50**	**ND<50**	**---**		**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<1.5**	**57.6**		**---**	**---**	**---**	**---**	**PACE**

Table 1
Groundwater Elevation and Analytical Data
BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)		B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-6	3/1/95	38.46	15.66	22.80	270	---		11	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	1.6	ATI
MW-6	6/6/95	38.46	15.82	22.64	220	---	(e)	2.3	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	---	ATI
MW-6	9/1/95	38.46	16.25	22.21	780	---		ND<2.5	ND<2.5	ND<2.5	ND<5.0	2800		---	---	---	7.5	ATI
MW-6	11/29/95	38.46	16.80	21.66	ND<50	---		ND<0.50	ND<0.50	ND<0.50	ND<1.0	1100		---	---	---	3.9	ATI
MW-6	3/23/96	38.46	15.27	23.19	50	---		ND<0.5	ND<1	ND<1	ND<1	910		---	---	---	8.0	SPL
MW-6	9/5/96	38.46	16.30	22.16	4400	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	7400		---	---	---	3.0	SPL
MW-6	3/11/97	38.46	15.75	22.71	1100	---		ND<5.0	ND<5.0	ND<5.0	ND<5.0	2000		---	---	---	3.1	SPL
MW-6	12/8/97	38.46	15.51	22.95	150	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	140		---	---	---	3.4	SPL
MW-6	7/8/98	38.46	15.78	22.68	370	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	250		---	---	---	3.6	SPL
MW-6	12/7/98	38.46	15.95	22.51	440	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	630/820	(h)	---	---	---	---	---
MW-6	1/19/99	38.46	15.97	22.49	950	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	950/810	(h)	---	---	---	---	SPL
MW-6	4/23/99	38.46	15.74	22.72	ND<50	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	310/220	(h)	---	---	---	---	SPL
MW-6	7/20/99	38.46	16.12	22.34	ND<50	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	1300		---	---	---	---	SPL
MW-6	12/30/99	38.46	16.16	22.30	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	360		---	---	---	---	PACE
MW-6	2/29/00	38.46	15.08	23.38	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	340		---	---	---	---	PACE
MW-6	4/14/00	38.46	15.82	22.64	90	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	220		---	---	---	---	PACE
MW-6	7/24/00	38.46	16.03	22.43	240	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	540		---	---	---	---	PACE
MW-6	10/30/00	38.46	15.83	22.63	120	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	380		---	---	---	---	PACE
MW-6	1/11/01	38.46	16.00	22.46	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.69		---	---	---	---	PACE
MW-6	5/17/01	38.46	16.05	22.41	140	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	169		---	---	---	---	PACE
MW-6	7/2/01	38.46	16.27	22.19	70	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	91.4		---	---	---	---	PACE
MW-6	11/2/01	38.46	16.31	22.15	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	32.3		---	---	---	---	PACE
MW-6	**8/6/02***	**38.46**	**16.14**	**22.32**	**ND<50**	**---**		**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<1.5**	**6.73**		**---**	**---**	**---**	**---**	**PACE**

Table 1
Groundwater Elevation and Analytical Data
BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

WELL ID		DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (Feet)	TPH-G (b) (ug/L)	TPH-D (ug/L)		B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)		TOG (ug/L)	1,1,1-TCA (ug/L)	PCE (ug/L)	DO (ppm)	LAB
MW-7		3/1/95	39.50	16.21	23.29	1400	---		14	ND<1.0	14	27	---		---	---	---	1.8	ATI
MW-7		6/6/95	39.50	16.34	23.16	540	---	(e)	5.5	ND<0.50	15	1.1	---		---	---	---	---	ATI
MW-7		9/1/95	39.50	16.74	22.76	190	---		2.8	ND<0.50	5.0	ND<1.0	10		---	---	---	7.5	ATI
MW-7		11/29/95	39.50	17.33	22.17	230	---		31	ND<0.50	3.8	1.9	ND<5.0		---	---	---	4.6	ATI
MW-7		3/23/96	39.50	15.86	23.64	ND<50	---		5.0	ND<1	ND<1	ND<1	330		---	---	---	7.2	SPL
QC-1	(c)	3/23/96	---	---	---	60	---		7.6	ND<1	ND<1	ND<1	360		---	---	---	---	SPL
MW-7		9/5/96	39.50	16.80	22.70	200	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	430		---	---	---	3.1	SPL
MW-7		3/11/97	39.50	18.32	21.18	120	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	140		---	---	---	4.7	SPL
MW-7		12/8/97	39.50	16.02	23.48	240	---		0.8	ND<1.0	ND<1.0	ND<1.0	200		---	---	---	5.2	SPL
MW-7		7/8/98	39.50	16.32	23.18	270	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	170		---	---	---	4.8	SPL
MW-7		12/7/98	39.50	16.43	23.07	100	---		ND<0.5	ND<1.0	ND<1.0	ND<1.0	120		---	---	---	---	SPL
MW-7		1/19/99	39.50	16.41	23.09	80	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	80		---	---	---	---	SPL
MW-7		4/23/99	39.50	16.21	23.29	ND<50	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	20		---	---	---	---	SPL
MW-7		7/20/99	39.50	16.54	22.96	ND<50	---		ND<1.0	ND<1.0	ND<1.0	ND<1.0	24		---	---	---	---	SPL
MW-7		12/30/99	39.50	16.65	22.85	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	12		---	---	---	---	PACE
MW-7		2/29/00	39.50	15.71	23.79	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	7.0		---	---	---	---	PACE
MW-7		4/14/00	39.50	16.25	23.25	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.0		---	---	---	---	PACE
MW-7		7/24/00	39.50	16.63	22.87	ND<50	---		1.1	0.5	ND<0.5	ND<0.5	3.1		---	---	---	---	PACE
MW-7		10/30/00	39.50	16.35	23.15	ND<50	---		ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5		---	---	---	---	PACE
MW-7		1/11/01	39.50	16.52	22.98	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5		---	---	---	---	PACE
MW-7		5/17/01	39.50	16.58	22.92	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5		---	---	---	---	PACE
MW-7		7/2/01	39.50	16.75	22.75	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.581		---	---	---	---	PACE
MW-7		11/2/01	39.50	16.89	22.61	---	---		---	---	---	---	---		---	---	---	---	PACE
MW-7		**8/6/02***	**39.50**	**16.65**	**22.85**	**---**	**---**		**---**	**---**	**---**	**---**	**---**		**---**	**---**	**---**	**---**	**PACE**
QC-2	(g)	11/4/92	---	---	---	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
QC-2	(g)	11/4/92	---	---	---	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
QC-2	(g)	2/24/94	---	---	---	---	---		---	---	---	---	ND<5.0	(j)	---	---	---	---	PACE
QC-2	(g)	3/1/95	---	---	---	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<1.0	---		---	---	---	---	PACE
QC-2	(g)	5/12/94	---	---	---	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	---	PACE
QC-2	(g)	9/9/94	---	---	---	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	---	PACE
QC-2	(g)	11/3/94	---	---	---	ND<50	---		ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	---	---	---	PACE
QC-2	(g)	6/6/95	---	---	---	ND<50	---		ND<0.50	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	---	ATI
QC-2	(g)	9/1/95	---	---	---	ND<50	---		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	---	ATI
QC-2	(g)	11/29/95	---	---	---	ND<50	---		ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0		---	---	---	---	ATI
QC-2	(g)	3/23/96	---	---	---	ND<50	---		ND<0.5	ND<1	ND<1	ND<1	ND<10		---	---	---	---	SPL

Table 1
Groundwater Elevation and Analytical Data
BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

ADDITIONAL ANALYSES

WELL ID	DATE OF SAMPLING/ MONITORING	1,2-DCA by 8010 (ug/L)	EDB by 8010 (ug/L)	1,2-DCA by 8260 (ug/L)	EDB by 8260 (ug/L)	MTBE by 8260 (ug/L)	DIPE by 8260 (ug/L)	ETBE by 8260 (ug/L)	TBA by 8260 (ug/L)	TAME by 8260 (ug/L)	LAB
MW-4	7/20/99	ND<1.0	ND<1.0	ND<1.0	ND<1.0	590	ND<10	ND<5.0	ND<500	ND<5.0	SPL
MW-4	12/30/99	---	---	ND<5.0	ND<5.0	280	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-4	2/29/00	---	---	ND<20	ND<20	870	ND<20	ND<20	---	ND<20	PACE
MW-4	4/14/00	---	---	ND<10	ND<10	730	ND<10	ND<10	---	ND<10	PACE
MW-4	7/24/00	---	---	ND<1.0	ND<1.0	390	ND<5.0	ND<5.0	ND<50	ND<5.0	PACE
MW-4	10/30/00	---	---	ND<5.0	ND<5.0	160	ND<5.0	ND<5.0	ND<50	ND<5.0	PACE
MW-4	1/11/01	---	---	ND<1.0	ND<1.0	170	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-4	5/17/01	---	---	ND<1.0	ND<1.0	91	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-4	7/2/01	---	---	ND<1.0	ND<1.0	66	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-5	7/20/99	---	---	---	---	490	ND<10	ND<10	ND<500	ND<10	SPL
MW-5	12/30/99	---	---	---	---	470	ND<10	ND<10	---	ND<10	PACE
MW-5	2/29/00	---	---	ND<5.0	ND<5.0	190	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-5	4/14/00	---	---	---	---	200	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-5	7/24/00	---	---	---	---	630	ND<5.0	ND<5.0	ND<50	ND<5.0	PACE
MW-5	10/30/00	---	---	---	---	260	ND<10	ND<10	ND<100	ND<10	PACE
MW-5	1/11/01	---	---	ND<1.0	ND<1.0	540	ND<1.0	ND<1.0	110	ND<1.0	PACE
MW-5	5/17/01	---	---	---	---	320	ND<1.0	ND<1.0	31	ND<1.0	PACE
MW-5	7/2/01	---	---	---	---	290	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-6	7/20/99	---	---	---	---	1400	ND<10	ND<10	ND<500	ND<10	SPL
MW-6	12/30/99	---	---	---	---	300	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-6	2/29/00	---	---	ND<5.0	ND<5.0	240	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-6	4/14/00	---	---	---	---	200	ND<5.0	ND<5.0	---	ND<5.0	PACE
MW-6	7/24/00	---	---	---	---	600	ND<5.0	ND<5.0	62	ND<5.0	PACE
MW-6	10/30/00	---	---	---	---	260	ND<10	ND<10	ND<100	ND<10	PACE
MW-6	1/11/01	---	---	---	---	2.4	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-6	5/17/01	---	---	---	---	130	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE
MW-6	7/2/01	---	---	---	---	80	ND<1.0	ND<1.0	ND<10	ND<1.0	PACE

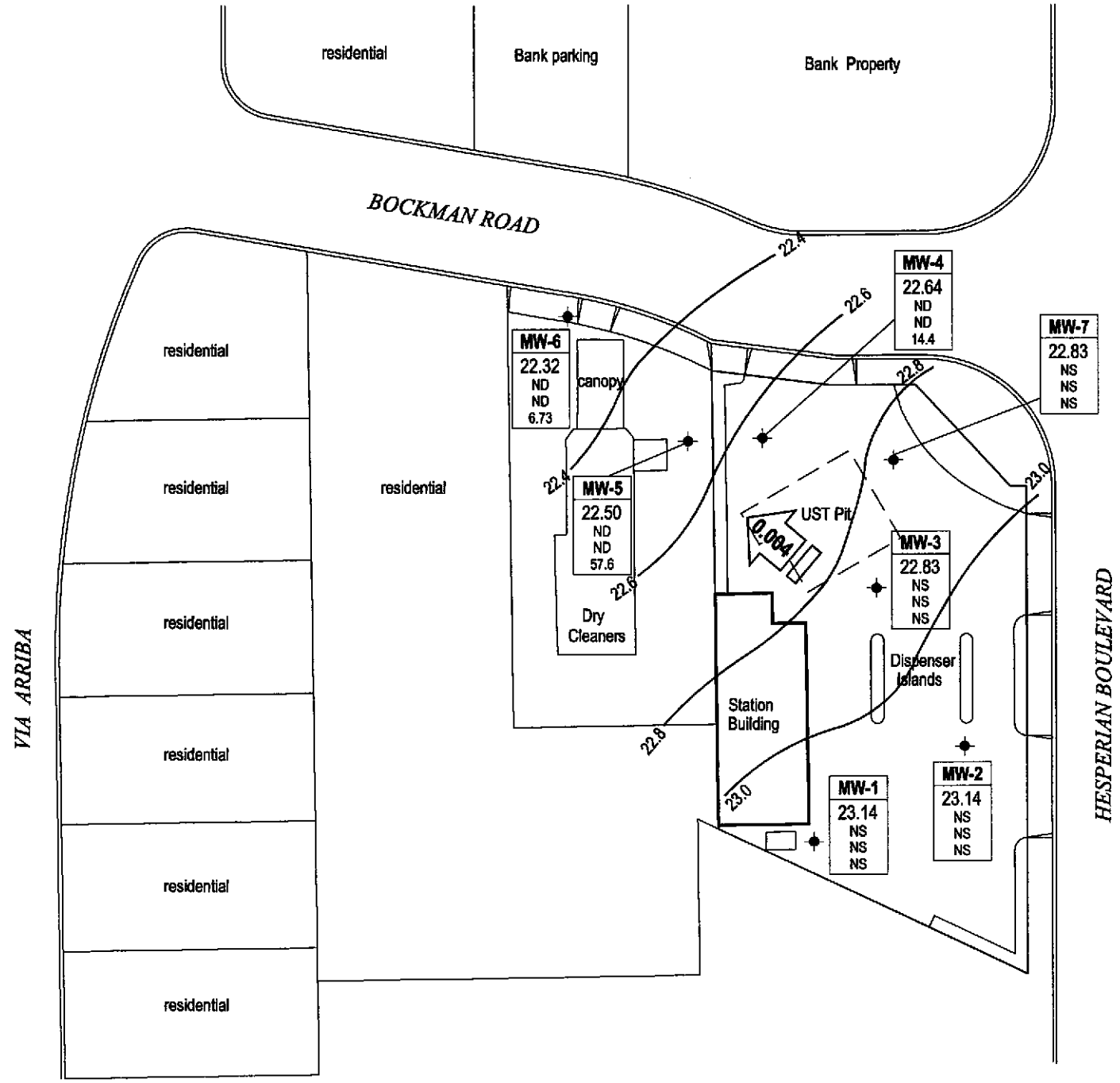
Table 1
Groundwater Elevation and Analytical Data
BP Service Station #11107
18501 Hesperian Boulevard
San Lorenzo, CA

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
MTBE	Methyl tert butyl ether
TOG	Total oil and grease
1,1,1-TCA	1,1,1-Trichloroethane
PCE	Tetrachloroethene
1,2-DCA	1,2-Dichloroethane
EDB	1,2-Bibromoethane
DIPE	Di-isopropyl Ether
ETBE	tert-Butyl Ethyl Ether
TBA	t-Butyl Alcohol
TAME	tert-Amyl Methyl Ether
DO	Dissolved oxygen
ug/L	Micrograms per liter
ppm	Parts per million
ND	Not detected above reported detection limit
---	Not measured/analyzed/applicable
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories

NOTES:

(a)	Top of casing elevations surveyed relative to an established benchmark with an elevation of 39.95 feet above mean sea level.
(b)	Groundwater elevations in feet above mean sea level.
(c)	Blind duplicate.
(d)	A copy of the documentation for this data is included in Appendix C of Alisto report 10-060-07-001.
(e)	MTBE peak present. See documentation in Appendix C of Alisto report 10-060-07-001.
(f)	Well inaccessible.
(g)	Travel blank.
(h)	MTBE by 8020/8260.
(i)	Gasoline does not include MTBE.
(j)	A copy of the documentation for this data is included in Blaine Tech Services report 010517-C-4. The MTBE data for the October 22 and 23, 1992 and November 4, 1992 sampling events have been destroyed.
*	During the second quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.



EXPLANATION

- MW-1 — Monitoring well location
- Well — Well Designation
- ELEV — Groundwater elevation
- TPH-g, Benzene, MTBE — TPH-g, Benzene and MTBE concentrations (ppb)
- 0.004 — Groundwater flow direction (ft/MSL)
- 22.4 — Groundwater elevation contour line

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

URS	Project No. 38485952 Former BP Service Station #11107 18501 Hesperian Boulevard San Lorenzo, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2002 (August 6, 2002)	FIGURE 1

X:\x_env_waste\BP GEM\Sites\RMH Sites\BP Heritage\11107\Reports\Monitoring\Qtr.3, 2002\GWEC-AS_8-6.dwg

Concentration and Water Level Trends
Well MW-5

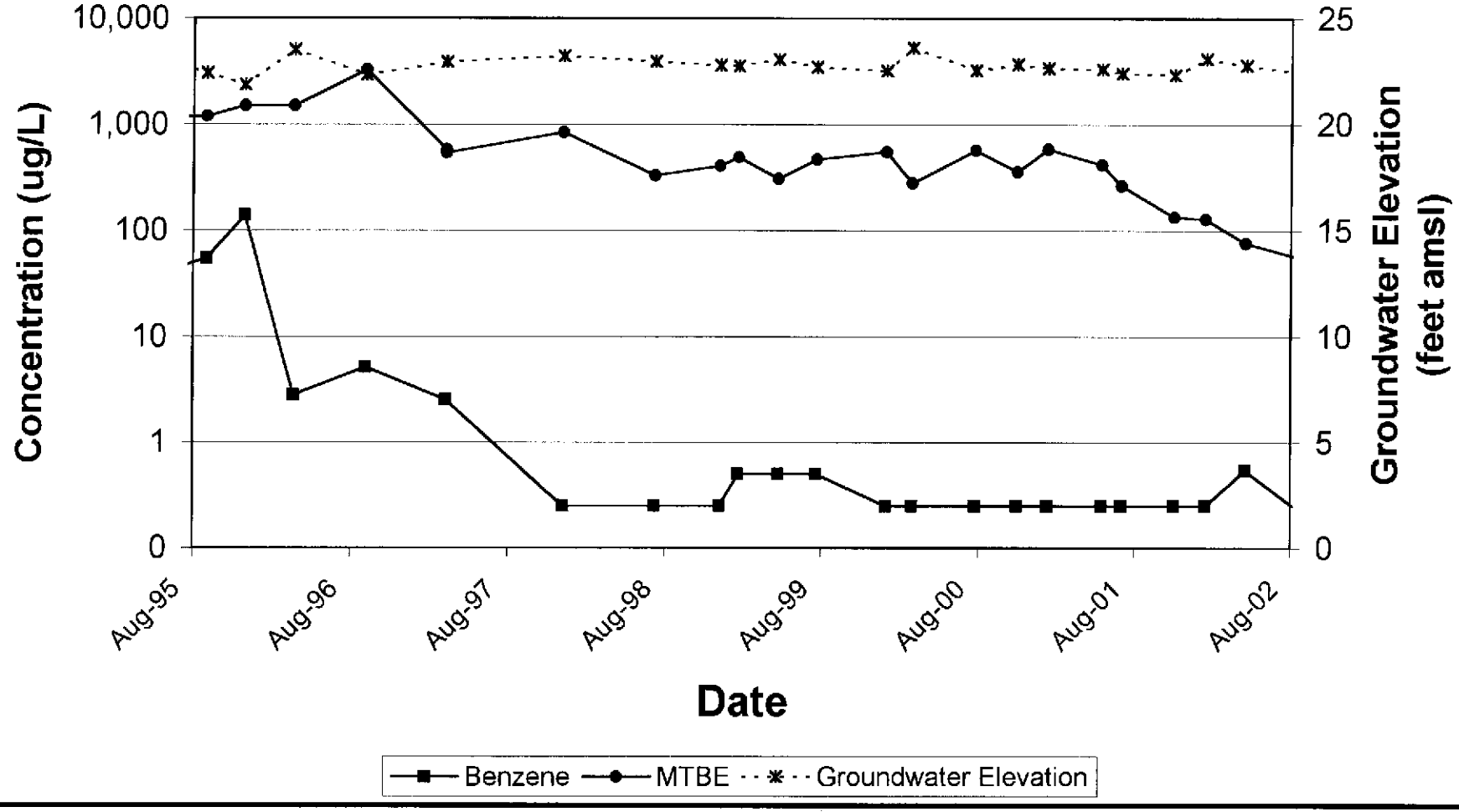


Chart 1

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

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

WELL GAUGING DATA

Project # 020606-AM1 Date 6-6-02 Client BP 11107

Site 14501 Hesperian San Lorenzo

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					17.93	30.41		G
MW-2	2					17.42	24.77		G
MW-3	2					17.62	24.83		G
MW-4	2					~~16.65~~ 16.60	25.00		S
MW-5	2					16.57	22.37		S
MW-6	2					16.14	24.90		S
MW-7	2					16.65	24.26	↓	G

BP WELL MONITORING DATA SHEET

Project #: 020606-AM-1	Station # 11107 BP
Sampler: AM	Date: 6-6-02
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 25.00	Depth to Water: 16.60 ~~16.57~~
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

1.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
9:26	69.4	7.1	803	1.3	clear
9:28	69.2	7.0	795	2.6	" "
9:30	66.3	7.0	789	3.9	" "

Did well dewater? Yes (No) Gallons actually evacuated: 3.9

Sampling Time: 9:30 Sampling Date: 6-6-02

Sample I.D.: MW-4 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 #: 020606-AM-1	Station # 11107 BP
Sampler: AM	Date: 6-6-02
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 22.37	Depth to Water: 16.59
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 X / Middleburg / Electric Submersible / Extraction Pump / Other: ____

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

0.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 2.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
9:44	67.6	7.0	734	0.9	Cloudy
9:46	67.7	7.0	737	1.8	" "
9:48	67.3		742	2.7	" "

Did well dewater? Yes (No) Gallons actually evacuated: 2.7

Sampling Time: 9:50 Sampling Date: 6-6-02

Sample I.D.: MW-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 #: 020606-AM-1	Station # 11107 BP
Sampler: AM	Date: 6-6-02
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 24.90	Depth to Water: 16.14
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: ____

1.4	x	3	=	4.2 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
10:02	67.9	7.0	794	1.4	Cloudy
10:04	67.2	7.0	802	2.8	" "
10:06	67.2	7.0	820	4.2	" "

Did well dewater? Yes (No)		Gallons actually evacuated: 4.2		
Sampling Time: 10:10		Sampling Date: 6-6-02		
Sample I.D.: MW-6		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

Chain of Custody Record

Project Name 020806-AM-1
BP BU/GEM CO Portfolio:
BP Laboratory Contract Number:
Date: 8-6-02 **Requested Due Date** (mm/dd/yy) Standard

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

Send To:
Lab Name: PACE
Lab Address: 900 Gemini Ave.
Houston, TX 77058
Lab PM: Paula Kirtley
Tele/Fax: 281-488-1810
Report Type & QC Level: Send EDF Reports
BP/GEM Account No.:

BP/GEM Facility No.:
BP/GEM Facility Address: 18501 HESPERIAN, SAN LORENZO, CA
Site ID No. 11107
Site Lat/Long:
California Global ID #: T0600101665
BP/GEM PM Contact: Scott Hooton
Address:
Tele/Fax:

Consultant/Contractor: URS
Address: 500 12th St., Ste. 200
Oakland, CA 94609-4014
e-mail EDD: syed_rehan@urscorp.com
Consultant/Contractor Project No.: [illegible]
Consultant Tele/Fax: 510-874-3101 / 510-874-3268
Consultant/Contractor PM: Robert Horwath
Invoice to: Consultant/Contractor or (BP/GEM) (Circle one)
BP/GEM Work Release No:

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: TPH-G / BTEX (8015 / 8021)	Requested Analysis: TPH –D (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Sample Point Lat/Long and Comments
1	MW-4	9:30		W				3				X	X	X	X			
2	MW-5	9:50		↓				↓				↓	X		X			
3	MW-6	10:10		↓				↓				↓	X		X			
4																		
5																		
6																		
7																		
8																		
9																		
10																		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Albert Marrero						
Sampler's Company: Blaine Tech	fr: Albert Marrero	8/7/02	1311	AIRBORNE EXPRESS	8/7/02	1311
Shipment Date:						
Shipment Method:						
Shipment Tracking No:						

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

Custody Seals In Place Yes___ No___ Temperature Blank Yes___ No___ Cooler Temperature on Receipt ___°F/C Trip Blank Yes___ No___

WELLHEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client BP 11607 Inspection Date 6-6-07

Site Address 16501 Hesperian San Lorenzo Inspected By JAm

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 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
MW-6	Missing 1 Bolt & Lk			

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~~. Altamont

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:

11107 BP
Station #

14501 Hesperian Blvd San Lorenzo CA
street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	/		/
	/		/
	/		/
	/		/
	/		/
MW-7	/		/

added equip. rinse water 5

any other adjustments

TOTAL GALS. RECOVERED 20

loaded onto BTS vehicle #

BTS event # 020406AM-1 time 10:20 date 4/6/02

signature

* *

REC'D AT Albert Hatten time 16:00 date 4/6/02

unloaded by

signature

ATTACHMENT B

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

LABORATORY PROCEDURES

Laboratory Procedures

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

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

August 20, 2002

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

RE: Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

Dear Mr. Horwath:

Enclosed are the analytical results for sample(s) received by the laboratory on August 8, 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

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

Lab Sample No: 851764345 Project Sample Number: 8528985-001 Date Collected: 08/06/02 09:30
Client Sample ID: MW-4 Matrix: Water Date Received: 08/08/02 09:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Volatiles									
TPH GRO Water	Method: EPA 8015 Modified								
Gasoline Range Organics	ND	mg/l	0.050	1.0	08/17/02 22:08	WRIC			
1,4-Difluorobenzene (S)	117	%		1.0	08/17/02 22:08	WRIC			
4-Bromofluorobenzene (S)	104	%		1.0	08/17/02 22:08	WRIC	460-00-4		
SW8021 Aromatics, Water	Method: EPA 8021								
Benzene	ND	ug/l	0.500	1.0	08/17/02 22:08	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	08/17/02 22:08	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	08/17/02 22:08	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	08/17/02 22:08	WRIC	1330-20-7		
Methyl-tert-butyl ether	14.4	ug/l	0.500	1.0	08/17/02 22:08	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	96	%		1.0	08/17/02 22:08	WRIC			
4-Bromofluorobenzene (S)	91	%		1.0	08/17/02 22:08	WRIC	460-00-4		

REPORT OF LABORATORY ANALYSIS

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

Lab Sample No: 851764346 Project Sample Number: 8528985-002 Date Collected: 08/06/02 09:50
Client Sample ID: MW-5 Matrix: Water Date Received: 08/08/02 09:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Volatiles									
TPH GRO Water	Method: EPA 8015 Modified								
Gasoline Range Organics	ND	mg/l	0.050	1.0	08/17/02 22:26	WRIC			
1,4-Difluorobenzene (S)	117	%		1.0	08/17/02 22:26	WRIC			
4-Bromofluorobenzene (S)	102	%		1.0	08/17/02 22:26	WRIC	460-00-4		
SW8021 Aromatics, Water	Method: EPA 8021								
Benzene	ND	ug/l	0.500	1.0	08/17/02 22:26	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	08/17/02 22:26	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	08/17/02 22:26	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	08/17/02 22:26	WRIC	1330-20-7		
Methyl-tert-butyl ether	57.6	ug/l	0.500	1.0	08/17/02 22:26	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	97	%		1.0	08/17/02 22:26	WRIC			
4-Bromofluorobenzene (S)	90	%		1.0	08/17/02 22:26	WRIC	460-00-4		

REPORT OF LABORATORY ANALYSIS

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

Lab Sample No: 851764347 Project Sample Number: 8528985-003 Date Collected: 08/06/02 10:10
Client Sample ID: MW-6 Matrix: Water Date Received: 08/08/02 09:20

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Volatiles									
TPH GRO Water	Method: EPA 8015 Modified								
Gasoline Range Organics	ND	mg/l	0.050	1.0	08/17/02 22:45	WRIC			
1,4-Difluorobenzene (S)	115	%		1.0	08/17/02 22:45	WRIC			
4-Bromofluorobenzene (S)	102	%		1.0	08/17/02 22:45	WRIC	460-00-4		
SW8021 Aromatics, Water	Method: EPA 8021								
Benzene	ND	ug/l	0.500	1.0	08/17/02 22:45	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	08/17/02 22:45	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	08/17/02 22:45	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	08/17/02 22:45	WRIC	1330-20-7		
Methyl-tert-butyl ether	6.73	ug/l	0.500	1.0	08/17/02 22:45	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	96	%		1.0	08/17/02 22:45	WRIC			
4-Bromofluorobenzene (S)	90	%		1.0	08/17/02 22:45	WRIC	460-00-4		

REPORT OF LABORATORY ANALYSIS

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

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

REPORT OF LABORATORY ANALYSIS

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Fax: 281.488.4661

QUALITY CONTROL DATA

Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

QC Batch: 72536 Analysis Method: EPA 8021
QC Batch Method: See analytical method Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851764345 851764346 851764347

METHOD BLANK: 851765825
Associated Lab Samples: 851764345 851764346 851764347

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	1.50	
Methyl-tert-butyl ether	ug/l	ND	0.500	
1,4-Difluorobenzene (S)	%	96		
4-Bromofluorobenzene (S)	%	89		

LABORATORY CONTROL SAMPLE: 851765826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/l	50.00	46.85	94	
Ethylbenzene	ug/l	50.00	47.57	95	
Toluene	ug/l	50.00	47.51	95	
Xylene (Total)	ug/l	150.00	134.6	90	
Methyl-tert-butyl ether	ug/l	50.00	47.21	94	
1,4-Difluorobenzene (S)				97	
4-Bromofluorobenzene (S)				92	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851765827 851765828

Parameter	Units	851764345 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	0	50.00	42.41	40.73	85	82	4	
Ethylbenzene	ug/l	0.1018	50.00	45.58	44.02	91	88	3	
Toluene	ug/l	0	50.00	44.28	42.42	89	85	4	
Xylene (Total)	ug/l	0	100.00	81.43	78.17	81	78	4	
Methyl-tert-butyl ether	ug/l	14.45	50.00	57.00	56.97	85	85	0	

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QUALITY CONTROL DATA

Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851765827 851765828

Parameter	Units	851764345 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
1,4-Difluorobenzene (S)						97	97		
4-Bromofluorobenzene (S)						94	95		

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QUALITY CONTROL DATA

Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

QC Batch: 72537 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 8015 Modified Analysis Description: TPH GRO Water
Associated Lab Samples: 851764345 851764346 851764347

METHOD BLANK: 851765829
Associated Lab Samples: 851764345 851764346 851764347

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline Range Organics	mg/l	ND	0.050	
1,4-Difluorobenzene (S)	%	115		
4-Bromofluorobenzene (S)	%	102		

LABORATORY CONTROL SAMPLE: 851765830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline Range Organics	mg/l	1.000	0.8799	88	
1,4-Difluorobenzene (S)				123	
4-Bromofluorobenzene (S)				113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851765831 851765832

Parameter	Units	851764345 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline Range Organics	mg/l	0.01107	0.9000	0.9877	1.039	108	114	5	
1,4-Difluorobenzene (S)						126	126		
4-Bromofluorobenzene (S)						116	116		

REPORT OF LABORATORY ANALYSIS

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Phone: 281.488.1810
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Lab Project Number: 8528985
Client Project ID: Site 11107-18501 Hesperian

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

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

11/01/02

EDF 1.2i All files present in deliverable.

Laboratory:	Pace Analytical Services, Inc., Houston, TX
Project Name:	Site 11107-18501 Hesperia
Work Order Number:	11107
Global ID:	T0600101665
Lab Report Number:	8528985

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run	Sub
8528985	MW-4	851764345	W	CS	SW8015	SW5030	08/06/02	08/17/02	08/17/02	72537	1	
8528985	MW-4	851764345	W	CS	SW8021B	SW5030	08/06/02	08/17/02	08/17/02	72536	1	
8528985	MW-5	851764346	W	CS	SW8015	SW5030	08/06/02	08/17/02	08/17/02	72537	1	
8528985	MW-5	851764346	W	CS	SW8021B	SW5030	08/06/02	08/17/02	08/17/02	72536	1	
8528985	MW-6	851764347	W	CS	SW8015	SW5030	08/06/02	08/17/02	08/17/02	72537	1	
8528985	MW-6	851764347	W	CS	SW8021B	SW5030	08/06/02	08/17/02	08/17/02	72536	1	
		851765826	W	BS1	SW8021B	SW5030	/ /	08/17/02	08/17/02	72536	1	
		851765825	W	LB1	SW8021B	SW5030	/ /	08/17/02	08/17/02	72536	1	
		851765827	W	MS1	SW8021B	SW5030	/ /	08/19/02	08/19/02	72536	1	
		851765828	W	SD1	SW8021B	SW5030	/ /	08/19/02	08/19/02	72536	1	
		851765830	W	BS1	SW8015	SW5030	/ /	08/17/02	08/17/02	72537	1	
		851765829	W	LB1	SW8015	SW5030	/ /	08/17/02	08/17/02	72537	1	
		851765831	W	MS1	SW8015	SW5030	/ /	08/18/02	08/18/02	72537	1	
		851765832	W	SD1	SW8015	SW5030	/ /	08/18/02	08/18/02	72537	1	

EDFSAMP: Error Summary Log

11/01/02

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

EDFTEST: Error Summary Log

11/01/02

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

EDFRES: Error Summary Log

11/01/02

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: repdl is less than mdl	851764345	CS	W	SW8015	PR	08/17/02	1	GRO
Warning: repdl is less than mdl	851764346	CS	W	SW8015	PR	08/17/02	1	GRO
Warning: repdl is less than mdl	851764347	CS	W	SW8015	PR	08/17/02	1	GRO
Warning: repdl is less than mdl	851765829	LB1	W	SW8015	PR	08/17/02	1	GRO
Warning: repdl is less than mdl	851765830	BS1	W	SW8015	PR	08/17/02	1	GRO
Warning: repdl is less than mdl	851765831	MS1	W	SW8015	PR	08/18/02	1	GRO
Warning: repdl is less than mdl	851765832	SD1	W	SW8015	PR	08/18/02	1	GRO
Warning: extra parameter	851764345	CS	W	SW8015	PR	08/17/02	1	GRO
Warning: extra parameter	851764345	CS	W	SW8015	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851764345	CS	W	SW8015	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851764345	CS	W	SW8021B	PR	08/17/02	1	XYLENES
Warning: extra parameter	851764345	CS	W	SW8021B	PR	08/17/02	1	MTBE
Warning: extra parameter	851764345	CS	W	SW8021B	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851764345	CS	W	SW8021B	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851764346	CS	W	SW8015	PR	08/17/02	1	GRO
Warning: extra parameter	851764346	CS	W	SW8015	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851764346	CS	W	SW8015	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851764346	CS	W	SW8021B	PR	08/17/02	1	XYLENES
Warning: extra parameter	851764346	CS	W	SW8021B	PR	08/17/02	1	MTBE
Warning: extra parameter	851764346	CS	W	SW8021B	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851764346	CS	W	SW8021B	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851764347	CS	W	SW8015	PR	08/17/02	1	GRO
Warning: extra parameter	851764347	CS	W	SW8015	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851764347	CS	W	SW8015	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851764347	CS	W	SW8021B	PR	08/17/02	1	XYLENES
Warning: extra parameter	851764347	CS	W	SW8021B	PR	08/17/02	1	MTBE

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
Warning: extra parameter	851764347	CS	W	SW8021B	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851764347	CS	W	SW8021B	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851765825	LB1	W	SW8021B	PR	08/17/02	1	XYLENES
Warning: extra parameter	851765825	LB1	W	SW8021B	PR	08/17/02	1	MTBE
Warning: extra parameter	851765825	LB1	W	SW8021B	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851765825	LB1	W	SW8021B	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851765826	BS1	W	SW8021B	PR	08/17/02	1	XYLENES
Warning: extra parameter	851765826	BS1	W	SW8021B	PR	08/17/02	1	MTBE
Warning: extra parameter	851765826	BS1	W	SW8021B	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851765826	BS1	W	SW8021B	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851765827	MS1	W	SW8021B	PR	08/19/02	1	XYLENES
Warning: extra parameter	851765827	MS1	W	SW8021B	PR	08/19/02	1	MTBE
Warning: extra parameter	851765827	MS1	W	SW8021B	PR	08/19/02	1	DFBZ14
Warning: extra parameter	851765827	MS1	W	SW8021B	PR	08/19/02	1	BR4FBZ
Warning: extra parameter	851765829	LB1	W	SW8015	PR	08/17/02	1	GRO
Warning: extra parameter	851765829	LB1	W	SW8015	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851765829	LB1	W	SW8015	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851765830	BS1	W	SW8015	PR	08/17/02	1	GRO
Warning: extra parameter	851765830	BS1	W	SW8015	PR	08/17/02	1	DFBZ14
Warning: extra parameter	851765830	BS1	W	SW8015	PR	08/17/02	1	BR4FBZ
Warning: extra parameter	851765831	MS1	W	SW8015	PR	08/18/02	1	GRO
Warning: extra parameter	851765831	MS1	W	SW8015	PR	08/18/02	1	DFBZ14
Warning: extra parameter	851765831	MS1	W	SW8015	PR	08/18/02	1	BR4FBZ
Warning: extra parameter	851765832	SD1	W	SW8015	PR	08/18/02	1	DFBZ14
Warning: extra parameter	851765828	SD1	W	SW8021B	PR	08/19/02	1	DFBZ14
Warning: extra parameter	851765832	SD1	W	SW8015	PR	08/18/02	1	BR4FBZ
Warning: extra parameter	851765828	SD1	W	SW8021B	PR	08/19/02	1	BR4FBZ
Warning: extra parameter	851765832	SD1	W	SW8015	PR	08/18/02	1	GRO
Warning: extra parameter	851765828	SD1	W	SW8021B	PR	08/19/02	1	MTBE
Warning: extra parameter	851765828	SD1	W	SW8021B	PR	08/19/02	1	XYLENES

EDFQC: Error Summary Log

11/01/02

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

EDFCL: Error Summary Log

11/01/02

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

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