bp

Scott T. Hooton
Portfolio Manager

BP Oil Company
Midwest Environmental Services
295 SW 41st Street
Bldg. 13, Suite N
Renton, WA 98055

Switchboard: 425/251-0667
Central Fax: 425/251-0736

August 27, 2001

1780
T0489

Mr. Amir K. Gholami
Alameda Country Health Care Services Agency
1131 Harbor Bay Parkway, STE 250
Alameda, CA 94502-6577

SEP 18 2001

RE: Former BP Oil Site No. 11107
18501 Hesperian Boulevard
San Lorenzo, CA

Direct: 425/251-0689
Cell: 206/919-5029
hootonst@bp.com
www.bp.com

Dear Mr. Gholami:

This transmits the *Third Quarter 2001 Groundwater Monitoring* report prepared on behalf of BP by Blaine Tech Services. The report summarizes chemical data obtained since 1992, including results associated with samples obtained on 2 July 2001.

The enclosed report shows that concentrations of petroleum hydrocarbons are generally decreasing, consistent with the natural attenuation of a petroleum hydrocarbons release. The highest MTBE concentrations are associated with samples obtained from well MW-5 (290 ug/l by Method 8260).

Please contact me at (425) 251-0689 if you have questions.

Sincerely,

Scott Hooton

Attachment

cc: site file
David Camille - Tosco (w/attachment)
Khaled Rahman - Cambria (w/attachment)

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
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August 23, 2001

Scott Hooton
BP Oil Company
295 SW 41st Street, Bldg. 13, Suite N
Renton, WA 98055-4931

3rd Quarter 2001 Monitoring at 11107

Third Quarter 2001 Groundwater Monitoring
BP Service Station Number 11107
18501 Hesperian Boulevard
San Lorenzo, CA

Monitoring Performed on July 2, 2001

Groundwater Sampling Report **010702-C-3**

This report covers the routine monitoring of groundwater wells at this BP facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, the appropriate calculated purge volume, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Seaport Petroleum Corporation for disposal.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix.** The **Professional Engineering Appendix** contains a **Groundwater Elevation Map** and a **Dissolved Petroleum Hydrocarbon Concentration Map.**

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

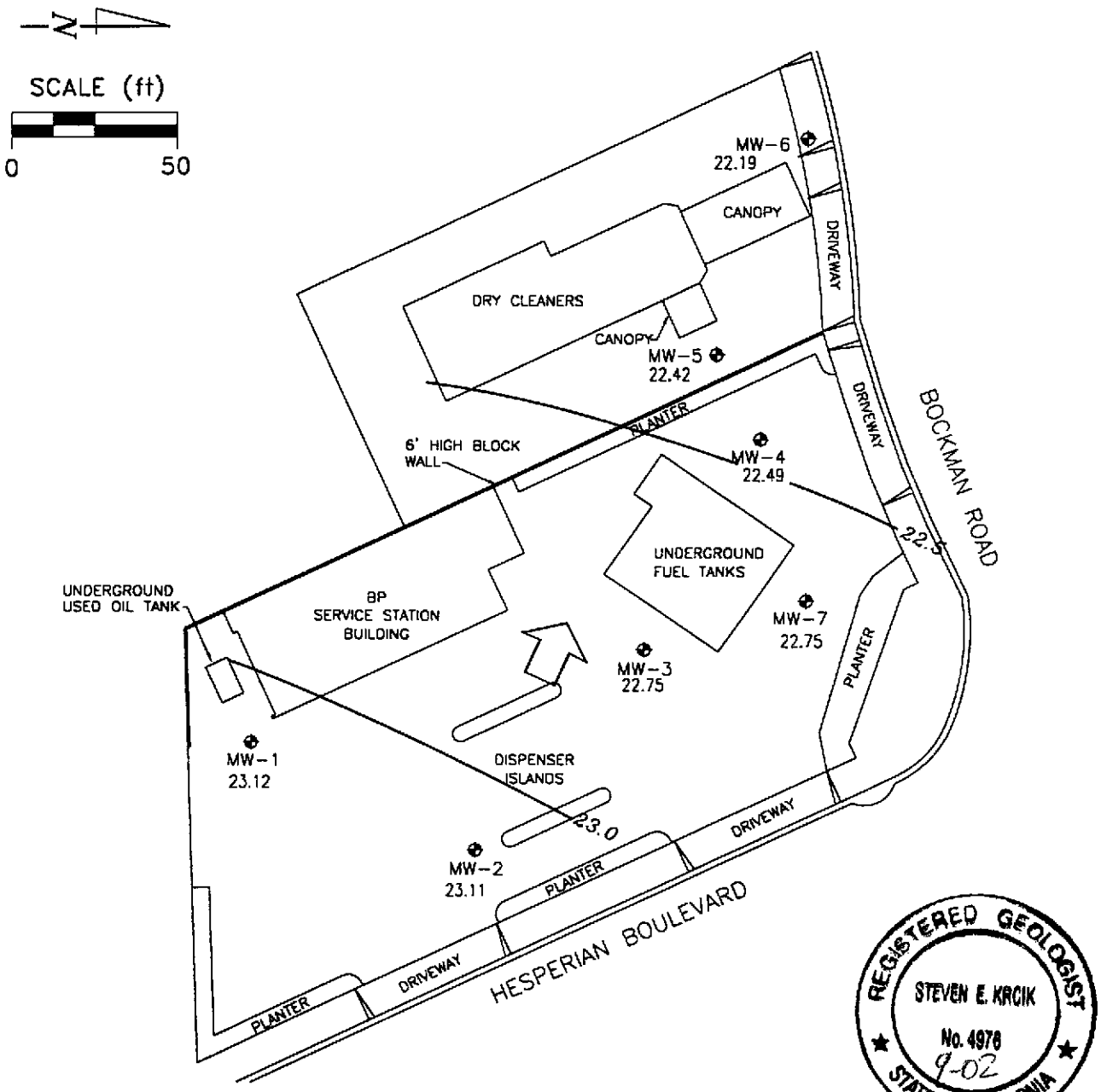
Yours truly,

Francis Thie
Vice President

FPT/ks

attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix



REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4978
9-02
STATE OF CALIFORNIA

EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- 23.12 GROUNDWATER ELEVATION (FT, MSL)
- 23.0 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.003

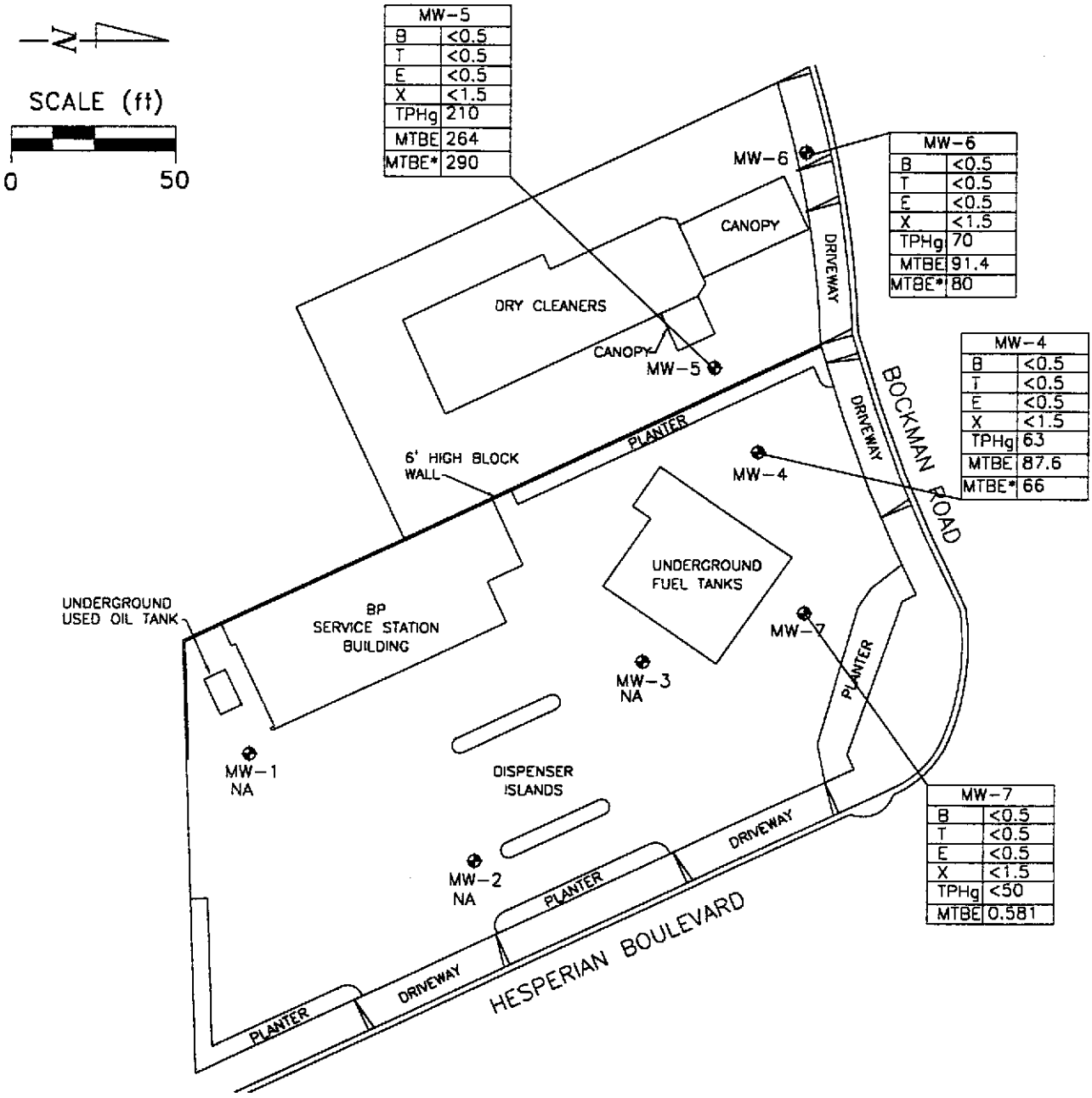
Ref. 111107bm.dwg
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

BP Service Station No. 11107
18501 Hesperian Boulevard
San Lorenzo, California

GROUNDWATER ELEVATION CONTOUR MAP, JULY 2, 2001

FIGURE: 1
PROJECT: DAC04



EXPLANATION

⊕	GROUNDWATER MONITORING WELL
TPHg	TOTAL PETROLEUM HYDROCARBON CALCULATED AS GASOLINE IN PARTS PER BILLION (ppb)
B	BENZENE, ppb
T	TOLUENE, ppb
E	ETHYLBENZENE, ppb
X	XYLENE, ppb
MTBE	METHYL-TERT-BUTYL-ETHER, ppb
MTBE*	MTBE BY 8260
NA	DATA NOT AVAILABLE

Ref. 111107btex.dwg
Basemap from Alisto Engineering Group

PREPARED BY
RRM
engineering contracting firm

BP Service Station No. 11107
18501 Hesperian Boulevard
San Lorenzo, California

HYDROCARBON CONCENTRATION MAP, JULY 2, 2001

FIGURE: **2**

PROJECT: DAC04

Table of
Well Data and
Analytical Results

Table 1 - Summary of Results of Groundwater Sampling

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	11/04/92	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) 11/04/92	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	(j)	---	---	---	---	PACE
MW-1	02/24/94	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	05/12/94	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	09/09/94	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	11/03/94	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	03/01/95	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	06/06/95	41.07	17.55	23.52	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	09/01/95	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	03/23/96	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	09/05/96	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	03/11/97	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	12/08/97	41.07	16.30	24.77	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10		---	---	---	---	---
MW-1	07/08/98	41.07	16.66	24.41	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	12/07/98	41.07	17.80	23.27	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	01/19/99	41.07	17.18	23.89	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	04/23/99	41.07	17.40	23.67	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	07/20/99	41.07	17.76	23.31	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	02/29/00	41.07	17.17	23.90	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	04/14/00	41.07	17.22	23.85	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	07/24/00	41.07	17.61	23.46	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	10/30/00	41.07	17.76	23.31	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	01/11/01	41.07	17.88	23.19	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	05/17/01	41.07	17.82	23.25	---	---	---	---	---	---	---		---	---	---	---	---
MW-1	07/02/01	41.07	17.95	23.12	---	---	---	---	---	---	---		---	---	---	---	---

Table 1 - Summary of Results of Groundwater Sampling

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	11/04/92	40.56	20.16	20.40	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(j)	—	—	—	—	PACE
MW-2	02/24/94	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	05/12/94	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	09/09/94	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	11/03/94	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	03/01/95	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	06/06/95	40.56	16.96	23.60	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	09/01/95	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	03/23/96	40.56	16.35	24.21	ND<50	—	ND<0.5	ND<1	ND<1	ND<1	ND<10		—	—	—	8.5	SPL
MW-2	09/05/96	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	03/11/97	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	12/08/97	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	07/08/98	40.56	16.41	24.15	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	12/07/98	40.56	17.15	23.41	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	01/19/99	40.56	17.15	23.41	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	04/23/99	40.56	16.89	23.67	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	07/20/99	40.56	17.25	23.31	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	12/30/99	40.56	17.44	23.12	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	02/29/00	40.56	16.13	24.43	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	04/14/00	40.56	16.88	23.68	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	07/24/00	40.56	17.11	23.45	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	10/30/00	40.56	17.12	23.44	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	01/11/01	40.56	17.28	23.28	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	05/17/01	40.56	17.20	23.36	—	—	—	—	—	—	—		—	—	—	—	—
MW-2	07/02/01	40.56	17.45	23.11	—	—	—	—	—	—	—		—	—	—	—	—

Table 1 - Summary of Results of Groundwater Sampling

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	11/04/92	40.45	20.23	20.22	760	—	3.7	15	1.9	57	—	(j)	—	—	—	—	PACE
MW-3	02/24/94	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	05/12/94	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	09/09/94	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	11/03/94	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	03/01/95	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	06/06/95	40.45	17.21	23.24	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	09/01/95	40.45	17.69	22.76	200	—	2.7	33	7.2	43	ND<5.0		—	—	—	7.8	ATI
MW-3	09/01/95	40.45	18.29	22.16	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	03/23/96	40.45	16.59	23.86	ND<50	—	ND<0.5	ND<1	ND<1	ND<1	ND<10		—	—	—	7.3	SPL
MW-3	09/05/96	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	03/11/97	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	12/08/97	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	07/08/98	40.45	16.40	24.05	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	12/07/98	40.45	17.32	23.13	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	01/19/99	40.45	17.30	23.15	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	04/23/99	40.45	17.07	23.38	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	07/20/99	40.45	17.47	22.98	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	12/30/99	40.45	17.60	22.85	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	02/29/00	40.45	16.43	24.02	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	04/14/00	40.45	17.09	23.36	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	07/24/00	40.45	17.44	23.01	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	10/30/00	40.45	17.29	23.16	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	01/11/01	40.45	17.49	22.96	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	05/17/01	40.45	17.45	23.00	—	—	—	—	—	—	—		—	—	—	—	—
MW-3	07/02/01	40.45	17.70	22.75	—	—	—	—	—	—	—		—	—	—	—	—

Table 1 - Summary of Results of Groundwater Sampling

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-4	11/04/92	39.24	19.18	20.06	900	—	150	4.1	0.8	53	—	(j)	---	---	---	---	PACE
MW-4	02/24/94	39.24	19.22	20.02	240	---	110	3.8	1.8	11	1433	(d)(j)	---	—	—	---	PACE
QC-1	(c) 02/24/94	—	—	—	310	—	95	5.3	2.2	17	1479	(d)(j)	---	---	---	---	PACE
MW-4	05/12/94	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) 05/12/94	---	—	---	430	---	2.6	1.3	ND<0.5	ND<0.5	912	(d)(j)	---	---	---	---	PACE
MW-4	09/09/94	39.24	20.27	18.97	240	---	9.1	1.3	0.6	2.5	397	(j)	—	—	—	2.2	PACE
QC-1	(c) 09/09/94	---	—	---	57	---	1.7	ND<0.5	ND<0.5	0.5	83	(j)	---	---	---	---	PACE
MW-4	11/03/94	39.24	18.46	20.78	250	—	3.1	2.8	1.0	3.3	319	(j)	—	—	—	3.2	PACE
QC-1	(c) 11/03/94	---	—	---	110	---	2.4	ND<0.5	ND<0.5	ND<0.5	642	(j)	---	---	---	---	PACE
MW-4	03/01/95	39.24	16.15	23.09	8900	—	1800	26	450	400	---		—	—	—	2.0	ATI
QC-1	(c) 03/01/95	---	---	—	7600	---	1700	25	410	370	---		---	---	---	---	ATI
MW-4	06/06/95	39.24	16.28	22.96	3100	—	(e) 530	25	170	85	—		—	—	—	—	ATI
QC-1	(c) 06/06/95	---	—	---	3000	---	530	27	170	92	—		---	---	---	---	ATI
MW-4	(f) 09/01/95	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	03/23/96	39.24	15.74	23.50	2700	---	480	ND<25	180	176	13000		---	---	---	7.8	SPL
MW-4	09/05/96	39.24	16.75	22.49	1100	---	ND<12	ND<25	ND<25	ND<25	3200		---	---	---	4.0	SPL
MW-4	03/11/97	39.24	16.10	23.14	2400	---	46	ND<10	66	106	3400		—	—	—	4.0	SPL
MW-4	12/08/97	39.24	15.96	23.28	590	---	11	ND<1.0	ND<1.0	ND<1.0	1200		---	---	---	4.4	SPL
QC-1	(c) 12/08/97	—	—	---	620	—	11	ND<1.0	ND<1.0	ND<1.0	1100		—	—	—	—	SPL
MW-4	07/08/98	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) 07/08/98	---	—	---	1600	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	1100		—	—	—	—	SPL
MW-4	12/07/98	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	01/19/99	39.24	16.40	22.84	570	---	ND<1.0	ND<1.0	ND<1.0	ND<1.0	660		—	—	—	—	SPL
MW-4	04/23/99	39.24	16.17	23.07	ND<50	—	ND<1.0	ND<1.0	1.8	1.3	1100/810	(h)	---	---	---	---	SPL
MW-4	07/20/99	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	02/29/00	39.24	15.69	23.55	78 (i)	---	2.0	ND<0.5	0.77	2.8	1200		---	---	---	---	PACE
MW-4	04/14/00	39.24	16.21	23.03	300	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	800		---	---	---	---	PACE
MW-4	07/24/00	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	01/11/01	39.24	16.46	22.78	120	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	176		---	—	—	—	PACE
MW-4	05/17/01	39.24	16.40	22.84	99	—	ND<0.5	ND<0.5	ND<0.5	ND<1.5	119		---	---	---	---	PACE
MW-4	07/02/01	39.24	16.75	22.49	63	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	87.6		—	—	—	—	PACE

Table 1 - Summary of Results of Groundwater Sampling

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	06/06/95	39.07	16.16	22.91	1100	---	(e) 42	ND<2.5	15	4.0	---	---	---	---	---	ATI
MW-5	09/01/95	39.07	16.63	22.44	1600	---	55	ND<2.5	15	8.0	1200	---	---	---	7.4	ATI
QC-1	(c) 09/01/95	---	---	---	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	03/23/96	39.07	15.54	23.53	90	---	2.8	ND<1	ND<1	ND<1	1500	---	---	---	7.5	SPL
MW-5	09/05/96	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) 09/05/96	---	---	---	2000	---	4.9	ND<1.0	ND<1.0	ND<1.0	2900	---	---	---	---	SPL
MW-5	03/11/97	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) 03/11/97	---	---	---	460	---	ND<5.0	ND<5.0	ND<5.0	ND<5.0	540	---	---	---	---	SPL
MW-5	12/08/97	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	07/08/98	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	12/07/98	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	01/19/99	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	04/23/99	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	07/20/99	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	02/29/00	39.07	15.45	23.62	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	280	---	---	---	---	PACE
MW-5	04/14/00	39.07	16.10	22.97	81	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	240	---	---	---	---	PACE
MW-5	07/24/00	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	01/11/01	39.07	16.41	22.66	420	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	585	---	---	---	---	PACE
MW-5	05/17/01	39.07	16.45	22.62	360	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	419	---	---	---	---	PACE
MW-5	07/02/01	39.07	16.65	22.42	210	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	264	---	---	---	---	PACE

Table 1 - Summary of Results of Groundwater Sampling

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	03/01/95	38.46	15.66	22.80	270	—	11	ND<0.50	ND<0.50	ND<1.0	---		—	—	—	1.6	ATI
MW-6	06/06/95	38.46	15.82	22.64	220	—	(e) 2.3	ND<0.50	ND<0.50	ND<1.0	---		---	---	---	—	ATI
MW-6	09/01/95	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	03/23/96	38.46	15.27	23.19	50	—	ND<0.5	ND<1	ND<1	ND<1	910		—	—	—	8.0	SPL
MW-6	09/05/96	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	03/11/97	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	12/08/97	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	07/08/98	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	12/07/98	38.46	15.95	22.51	440	—	ND<1.0	ND<1.0	ND<1.0	ND<1.0	630/820	(h)	---	---	---	—	—
MW-6	01/19/99	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	04/23/99	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	07/20/99	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	02/29/00	38.46	15.08	23.38	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	340		---	---	—	—	PACE
MW-6	04/14/00	38.46	15.82	22.64	90	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	220		---	---	---	---	PACE
MW-6	07/24/00	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	01/11/01	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	05/17/01	38.46	16.05	22.41	140	—	ND<0.5	ND<0.5	ND<0.5	ND<1.5	169		—	—	—	—	PACE
MW-6	07/02/01	38.46	16.27	22.19	70	—	ND<0.5	ND<0.5	ND<0.5	ND<1.5	91.4		---	---	---	---	PACE

Table 1 - Summary of Results of Groundwater Sampling

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	03/01/95	39.50	16.21	23.29	1400	---	14	ND<1.0	14	27	---		---	---	---	1.8	ATI
MW-7	06/06/95	39.50	16.34	23.16	540	—	(e) 5.5	ND<0.50	15	1.1	—		—	—	---	---	ATI
MW-7	09/01/95	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	03/23/96	39.50	15.86	23.64	ND<50	---	5.0	ND<1	ND<1	ND<1	330		---	---	---	7.2	SPL
QC-1	(c) 03/23/96	---	—	—	60	—	7.6	ND<1	ND<1	ND<1	360		—	---	---	---	SPL
MW-7	09/05/96	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	03/11/97	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	12/08/97	39.50	16.02	23.48	240	---	0.8	ND<1.0	ND<1.0	ND<1.0	200		---	---	—	5.2	SPL
MW-7	07/08/98	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	12/07/98	39.50	16.43	23.07	100	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	120		---	---	—	---	SPL
MW-7	01/19/99	39.50	16.41	23.09	80	—	ND<1.0	ND<1.0	ND<1.0	ND<1.0	80		---	—	—	—	SPL
MW-7	04/23/99	39.50	16.21	23.29	ND<50	—	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20		---	—	—	---	SPL
MW-7	07/20/99	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	02/29/00	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	04/14/00	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	07/24/00	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	01/11/01	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	05/17/01	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	07/02/01	39.50	16.75	22.75	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	0.581		---	---	—	---	PACE
QC-2	(g) 11/04/92	—	—	—	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(j)	---	---	---	---	PACE
QC-2	(g) 11/04/92	—	—	---	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	(j)	—	—	---	---	PACE
QC-2	(g) 02/24/94	—	—	---	---	---	---	—	—	---	ND<5.0	(j)	---	---	—	---	PACE
QC-2	(g) 03/01/95	---	---	—	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<1.0	—		—	---	---	—	PACE
QC-2	(g) 05/12/94	—	—	---	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	---	—	—	---	PACE
QC-2	(g) 09/09/94	—	---	—	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	—	---	---	—	PACE
QC-2	(g) 11/03/94	---	—	---	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	(j)	—	—	---	---	PACE
QC-2	(g) 06/06/95	—	---	---	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<1.0	—		---	---	—	---	ATI
QC-2	(g) 09/01/95	—	---	—	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) 03/23/96	—	---	—	ND<50	---	ND<0.5	ND<1	ND<1	ND<1	ND<10		—	—	---	—	SPL

Table 1 - Summary of Results of Groundwater Sampling

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)
MW-4	07/20/99	ND<1.0	ND<1.0	ND<1.0	ND<1.0	590	ND<10	ND<5.0	ND<500	ND<5.0
MW-4	12/30/99	—	—	ND<5.0	ND<5.0	280	ND<5.0	ND<5.0	—	ND<5.0
MW-4	02/29/00	—	—	ND<20	ND<20	870	ND<20	ND<20	—	ND<20
MW-4	04/14/00	—	—	ND<10	ND<10	730	ND<10	ND<10	—	ND<10
MW-4	07/24/00	—	—	ND<1.0	ND<1.0	390	ND<5.0	ND<5.0	ND<50	ND<5.0
MW-4	10/30/00	—	—	ND<5.0	ND<5.0	160	ND<5.0	ND<5.0	ND<50	ND<5.0
MW-4	01/11/01	—	—	ND<1.0	ND<1.0	170	ND<1.0	ND<1.0	ND<10	ND<1.0
MW-4	05/17/01	—	—	ND<1.0	ND<1.0	91	ND<1.0	ND<1.0	ND<10	ND<1.0
MW-4	07/02/01	—	—	ND<1.0	ND<1.0	66	ND<1.0	ND<1.0	ND<10	ND<1.0
MW-5	07/20/99	—	—	—	—	490	ND<10	ND<10	ND<500	ND<10
MW-5	12/30/99	—	—	—	—	470	ND<10	ND<10	—	ND<10
MW-5	02/29/00	—	—	ND<5.0	ND<5.0	190	ND<5.0	ND<5.0	—	ND<5.0
MW-5	04/14/00	—	—	—	—	200	ND<5.0	ND<5.0	—	ND<5.0
MW-5	07/24/00	—	—	—	—	630	ND<5.0	ND<5.0	ND<50	ND<5.0
MW-5	10/30/00	—	—	—	—	260	ND<10	ND<10	ND<100	ND<10
MW-5	01/11/01	—	—	ND<1.0	ND<1.0	540	ND<1.0	ND<1.0	110	ND<1.0
MW-5	05/17/01	—	—	—	—	320	ND<1.0	ND<1.0	31	ND<1.0
MW-5	07/02/01	—	—	—	—	290	ND<1.0	ND<1.0	ND<10	ND<1.0
MW-6	07/20/99	—	—	—	—	1400	ND<10	ND<10	ND<500	ND<10
MW-6	12/30/99	—	—	—	—	300	ND<5.0	ND<5.0	—	ND<5.0
MW-6	02/29/00	—	—	ND<5.0	ND<5.0	240	ND<5.0	ND<5.0	—	ND<5.0
MW-6	04/14/00	—	—	—	—	200	ND<5.0	ND<5.0	—	ND<5.0
MW-6	07/24/00	—	—	—	—	600	ND<5.0	ND<5.0	62	ND<5.0
MW-6	10/30/00	—	—	—	—	260	ND<10	ND<10	ND<100	ND<10
MW-6	01/11/01	—	—	—	—	2.4	ND<1.0	ND<1.0	ND<10	ND<1.0
MW-6	05/17/01	—	—	—	—	130	ND<1.0	ND<1.0	ND<10	ND<1.0
MW-6	07/02/01	—	—	—	—	80	ND<1.0	ND<1.0	ND<10	ND<1.0

Table 1 - Summary of Results of Groundwater Sampling

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.

Analytical Appendix

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

July 11, 2001

Ms. Cindy Magyar
Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

RE: Lab Project Number: 8522231
Client Project ID: BP Site#11107

Dear Ms. Magyar:

Enclosed are the analytical results for sample(s) received by the laboratory on July 9, 2001. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paula Kirtley
Project Manager

Enclosures

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900 Gemini Avenue
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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

Lab Project Number: 8522231
Client Project ID: BP Site#11107

Attn: Ms. Cindy Magyar
Phone:

Lab Sample No: 851701141 Project Sample Number: 8522231-001 Date Collected: 07/02/01 16:14
Client Sample ID: A (11107) Matrix: Water Date Received: 07/09/01 10:30

Parameters	Results	Units	PRL	Dilution	Analyzed	Analyst	CAS#	Ftnote	Limit
GC Volatiles									
GAS by Mod 8015, Water		Method: EPA 8015 Modified			Prep Method: EPA 8015 Modified				
Gasoline Range Organics	63.	ug/l	50.	1.0	07/10/01 14:42	WRIC			
1,4-Difluorobenzene (S)	90	%		1.0	07/10/01 14:42	WRIC			
4-Bromofluorobenzene (S)	81	%		1.0	07/10/01 14:42	WRIC	460-00-4		
SW8021 Aromatics, Water		Method: EPA 8021			Prep Method: See analytical meth				
Benzene	ND	ug/l	0.500	1.0	07/10/01 14:42	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	07/10/01 14:42	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	07/10/01 14:42	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	07/10/01 14:42	WRIC	1330-20-7		
Methyl-tert-butyl ether	87.6	ug/l	0.500	1.0	07/10/01 14:42	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	99	%		1.0	07/10/01 14:42	WRIC			
4-Bromofluorobenzene (S)	101	%		1.0	07/10/01 14:42	WRIC	460-00-4		
GC/MS Volatiles									
SW8260 Nonroutine VOCs, Trace		Method: EPA 8260			Prep Method: See analytical meth				
Dibromomethane	ND	ug/l	1.0	1.0	07/09/01 17:45	DBEN	74-95-3		
1,2-Dichloroethane	ND	ug/l	1.0	1.0	07/09/01 17:45	DBEN	107-06-2		
Methyl-tert-butyl ether	66.	ug/l	1.0	1.0	07/09/01 17:45	DBEN	1634-04-4		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/09/01 17:45	DBEN	75-65-0		
Ethyl-tert-butyl ether	ND	ug/l	1.0	1.0	07/09/01 17:45	DBEN	637-92-3		
Diisopropyl ether	ND	ug/l	1.0	1.0	07/09/01 17:45	DBEN	108-20-3		
tert-Amylmethyl ether	ND	ug/l	1.0	1.0	07/09/01 17:45	DBEN	994-05-8		
Toluene-d8 (S)	102	%		1.0	07/09/01 17:45	DBEN	2037-26-5		
4-Bromofluorobenzene (S)	97	%		1.0	07/09/01 17:45	DBEN	460-00-4		
1,2-Dichloroethane-d4 (S)	121	%		1.0	07/09/01 17:45	DBEN	17060-07-0		

Comments : Samples received with temperature of 14.8 degrees C. Proceeded with analysis per client request.

Date: 07/11/01

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8522231
Client Project ID: BP Site#11107

Lab Sample No: 851701142 Project Sample Number: 8522231-002 Date Collected: 07/02/01 16:36
Client Sample ID: B (11107) Matrix: Water Date Received: 07/09/01 10:30

Parameters	Results	Units	PRL	Dilution	Analyzed	Analyst	CAS#	Ftnote	Limit
GC Volatiles									
GAS by Mod 8015, Water		Method: EPA 8015 Modified			Prep Method: EPA 8015 Modified				
Gasoline Range Organics	210	ug/l	50.	1.0	07/10/01 16:07	WRIC			
1,4-Difluorobenzene (S)	93	%		1.0	07/10/01 16:07	WRIC			
4-Bromofluorobenzene (S)	80	%		1.0	07/10/01 16:07	WRIC	460-00-4		
SW8021 Aromatics, Water		Method: EPA 8021			Prep Method: See analytical meth				
Benzene	ND	ug/l	0.500	1.0	07/10/01 16:07	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	07/10/01 16:07	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	07/10/01 16:07	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	07/10/01 16:07	WRIC	1330-20-7		
Methyl-tert-butyl ether	264.	ug/l	0.500	1.0	07/10/01 16:07	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	101	%		1.0	07/10/01 16:07	WRIC			
4-Bromofluorobenzene (S)	100	%		1.0	07/10/01 16:07	WRIC	460-00-4		
GC/MS Volatiles									
SW8260 Nonroutine VOCs, Trace		Method: EPA 8260			Prep Method: See analytical meth				
Methyl-tert-butyl ether	290	ug/l	10.	10.0	07/09/01 17:11	DBEN	1634-04-4	1	
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/09/01 17:11	DBEN	75-65-0		
Ethyl-tert-butyl ether	ND	ug/l	1.0	1.0	07/09/01 17:11	DBEN	637-92-3		
Diisopropyl ether	ND	ug/l	1.0	1.0	07/09/01 17:11	DBEN	108-20-3		
tert-Amylmethyl ether	ND	ug/l	1.0	1.0	07/09/01 17:11	DBEN	994-05-8		
Toluene-d8 (S)	102	%		1.0	07/09/01 17:11	DBEN	2037-26-5		
4-Bromofluorobenzene (S)	98	%		1.0	07/09/01 17:11	DBEN	460-00-4		
1,2-Dichloroethane-d4 (S)	122	%		1.0	07/09/01 17:11	DBEN	17060-07-0		

Comments : Samples received with temperature of 14.8 degrees C. Proceeded with analysis per client request.

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8522231
Client Project ID: BP Site#11107

Lab Sample No: 851701143 Project Sample Number: 8522231-003 Date Collected: 07/02/01 16:53
Client Sample ID: C (11107) Matrix: Water Date Received: 07/09/01 10:30

Parameters	Results	Units	PRL	Dilution	Analyzed	Analyst	CAS#	Ftnote	Limit
GC Volatiles									
GAS by Mod 8015, Water		Method: EPA 8015 Modified			Prep Method: EPA 8015 Modified				
Gasoline Range Organics	70.	ug/l	50.	1.0	07/10/01 16:26	WRIC			
1,4-Difluorobenzene (S)	90	%		1.0	07/10/01 16:26	WRIC			
4-Bromofluorobenzene (S)	81	%		1.0	07/10/01 16:26	WRIC	460-00-4		
SW8021 Aromatics, Water		Method: EPA 8021			Prep Method: See analytical meth				
Benzene	ND	ug/l	0.500	1.0	07/10/01 16:26	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	07/10/01 16:26	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	07/10/01 16:26	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	07/10/01 16:26	WRIC	1330-20-7		
Methyl-tert-butyl ether	91.4	ug/l	0.500	1.0	07/10/01 16:26	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	98	%		1.0	07/10/01 16:26	WRIC			
4-Bromofluorobenzene (S)	100	%		1.0	07/10/01 16:26	WRIC	460-00-4		
GC/MS Volatiles									
SW8260 Nonroutine VOCs, Trace		Method: EPA 8260			Prep Method: See analytical meth				
Methyl-tert-butyl ether	80.	ug/l	1.0	1.0	07/09/01 16:37	DBEN	1634-04-4		
2-Methyl-2-propanol	ND	ug/l	10.	1.0	07/09/01 16:37	DBEN	75-65-0		
Ethyl-tert-butyl ether	ND	ug/l	1.0	1.0	07/09/01 16:37	DBEN	637-92-3		
Diisopropyl ether	ND	ug/l	1.0	1.0	07/09/01 16:37	DBEN	108-20-3		
tert-Amylmethyl ether	ND	ug/l	1.0	1.0	07/09/01 16:37	DBEN	994-05-8		
Toluene-d8 (S)	102	%		1.0	07/09/01 16:37	DBEN	2037-26-5		
4-Bromofluorobenzene (S)	99	%		1.0	07/09/01 16:37	DBEN	460-00-4		
1,2-Dichloroethane-d4 (S)	117	%		1.0	07/09/01 16:37	DBEN	17060-07-0		

Comments : Samples received with temperature of 14.8 degrees C. Proceeded with analysis per client request.

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8522231
Client Project ID: BP Site#11107

Lab Sample No: 851701144 Project Sample Number: 8522231-004 Date Collected: 07/02/01 17:07
Client Sample ID: D (11107) Matrix: Water Date Received: 07/09/01 10:30

Parameters	Results	Units	PRL	Dilution	Analyzed	Analyst	CAS#	Ftnote	Limit
GC Volatiles									
GAS by Mod 8015, Water		Method: EPA 8015 Modified			Prep Method: EPA 8015 Modified				
Gasoline Range Organics	ND	ug/l	50.	1.0	07/10/01 16:46	WRIC			
1,4-Difluorobenzene (S)	91	%		1.0	07/10/01 16:46	WRIC			
4-Bromofluorobenzene (S)	81	%		1.0	07/10/01 16:46	WRIC	460-00-4		
SW8021 Aromatics, Water		Method: EPA 8021			Prep Method: See analytical meth				
Benzene	ND	ug/l	0.500	1.0	07/10/01 16:46	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	0.500	1.0	07/10/01 16:46	WRIC	100-41-4		
Toluene	ND	ug/l	0.500	1.0	07/10/01 16:46	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	1.50	1.0	07/10/01 16:46	WRIC	1330-20-7		
Methyl-tert-butyl ether	0.581	ug/l	0.500	1.0	07/10/01 16:46	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	99	%		1.0	07/10/01 16:46	WRIC			
4-Bromofluorobenzene (S)	101	%		1.0	07/10/01 16:46	WRIC	460-00-4		

Comments : Samples received with temperature of 14.8 degrees C. Proceeded with analysis per client request.

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8522231
Client Project ID: BP Site#11107

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
(S)	Surrogate
[1]	The sample was diluted due to the presence of high levels of target analytes resulting in elevated reporting limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 8522231
Client Project ID: BP Site#11107

QC Batch: 55262 QC Batch Method: See analytical meth
Analysis Method: EPA 8021 Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851701141 851701142 851701143 851701144

METHOD BLANK: 851701237
Associated Lab Samples: 851701141 851701142 851701143 851701144

Parameter	Units	Method Blank Result	PRL	Footnotes
Benzene	ug/l	ND	0.5	
Ethylbenzene	ug/l	ND	0.5	
Toluene	ug/l	ND	0.5	
Xylene (Total)	ug/l	ND	1.5	
Methyl-tert-butyl ether	ug/l	ND	0.5	
1,4-Difluorobenzene (S)	%	99		
4-Bromofluorobenzene (S)	%	100		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851701239 851701240

Parameter	Units	851701141	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/l	0	50.00	50.97	102	52.43	105	3	
Ethylbenzene	ug/l	0	50.00	52.85	106	53.60	107	1	
Toluene	ug/l	0	50.00	51.63	103	52.70	105	2	
Xylene (Total)	ug/l	0	100.00	105.9	106	105.0	105	1	
Methyl-tert-butyl ether	ug/l	87.64	50.00	131.6	88	132.0	89	0	
1,4-Difluorobenzene (S)					102		102		
4-Bromofluorobenzene (S)					100		100		

LABORATORY CONTROL SAMPLE: 851701238

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Benzene	ug/l	50	51.01	102	
Ethylbenzene	ug/l	50	53.65	107	
Toluene	ug/l	50	52.18	104	
Xylene (Total)	ug/l	100	109.7	110	

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QUALITY CONTROL DATA

Lab Project Number: 8522231
Client Project ID: BP Site#11107

LABORATORY CONTROL SAMPLE: 851701238

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Methyl-tert-butyl ether	ug/l	50	53.43	107	
1,4-Difluorobenzene (S)				102	
4-Bromofluorobenzene (S)				102	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 8522231
Client Project ID: BP Site#11107

QC Batch: 55263 QC Batch Method: EPA 8015 Modified
Analysis Method: EPA 8015 Modified Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851701141 851701142 851701143 851701144

METHOD BLANK: 851701241
Associated Lab Samples: 851701141 851701142 851701143 851701144

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline Range Organics	ug/l	ND	50	
1,4-Difluorobenzene (S)	%	93		
4-Bromofluorobenzene (S)	%	81		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851701243 851701244

Parameter	Units	851701133	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	38.67	1000.00	1113	108	1186	115	6	
1,4-Difluorobenzene (S)					98		98		
4-Bromofluorobenzene (S)					90		90		

LABORATORY CONTROL SAMPLE: 851701242

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
Gasoline Range Organics	ug/l	1000	1115	112	
1,4-Difluorobenzene (S)				98	
4-Bromofluorobenzene (S)				91	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 8522231
Client Project ID: BP Site#11107

QC Batch: 55236 QC Batch Method: See analytical meth
Analysis Method: EPA 8260 Analysis Description: SW8260 Nonroutine VOCs, Trace
Associated Lab Samples: 851701141 851701142 851701143

METHOD BLANK: 851701168
Associated Lab Samples:
851701141 851701142 851701143

Parameter	Units	Method Blank Result	PRL	Footnotes
Dibromomethane	ug/l	ND	1	
1,2-Dichloroethane	ug/l	ND	1	
Methyl-tert-butyl ether	ug/l	ND	1	
2-Methyl-2-propanol	ug/l	ND	10	
Ethyl-tert-butyl ether	ug/l	ND	1	
Diisopropyl ether	ug/l	ND	1	
tert-Amylmethyl ether	ug/l	ND	1	
Toluene-d8 (S)	%	102		
4-Bromofluorobenzene (S)	%	99		
1,2-Dichloroethane-d4 (S)	%	117		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851701364 851701365

Parameter	Units	851701141	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Methyl-tert-butyl ether	ug/l	66.22	50.00	116.3	100	116.9	101	1	
2-Methyl-2-propanol	ug/l	0	250.00	185.0	74	175.2	70	5	
Ethyl-tert-butyl ether	ug/l	0	50.00	51.37	103	51.47	103	0	
Diisopropyl ether	ug/l	0	50.00	50.50	101	49.35	99	2	
tert-Amylmethyl ether	ug/l	0	50.00	50.03	100	50.10	100	0	
Toluene-d8 (S)					101		102		
4-Bromofluorobenzene (S)					101		101		
1,2-Dichloroethane-d4 (S)					122		122		

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QUALITY CONTROL DATA

Lab Project Number: 8522231
Client Project ID: BP Site#11107

LABORATORY CONTROL SAMPLE: 851701169

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
1,2-Dichloroethane	ug/l	50	53.16	106	
Methyl-tert-butyl ether	ug/l	50	46.78	94	
2-Methyl-2-propanol	ug/l	220	224.0	102	
Ethyl-tert-butyl ether	ug/l	50	48.44	97	
Diisopropyl ether	ug/l	50	48.12	96	
tert-Amylmethyl ether	ug/l	50	48.34	97	
Toluene-d8 (S)				101	
4-Bromofluorobenzene (S)				100	
1,2-Dichloroethane-d4 (S)				105	

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8522231
Client Project ID: BP Site#11107

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
RPD	Relative Percent Difference
(S)	Surrogate

BP CHAIN OF CUSTODY

Page 1 of 1

CONSULTANT'S NAME	CONSULTANT'S ADDRESS		
Blaine Tech Services, Inc.	1680 Rogers Ave., San Jose CA 95112		
BP SITE NUMBER: 11107	BP SITE / FACILITY ADDRESS: 18501 Hesperian, San Lorenzo		CONSULTANT PROJECT NUMBER: 010702-C3
CONSULTANT PROJECT MANAGER: Scott Boor	PHONE NUMBER: (408) 573-0555 x 223	FAX NUMBER: (408) 573-7771	CONSULTANT CONTRACT NUMBER: J589268
BP CONTACT: Scott Hooton	BP ADDRESS: 295 SW 41st Street, Suite N, Renton WA	PHONE NUMBER: (425) 251-0689	FAX NO.: (425) 251-0736
LAB CONTACT: Pace - Paula Kirtley	LABORATORY ADDRESS: 900 Gemini Ave., Houston, TX 77058	PHONE NUMBER: (281) 488-1810	FAX NO.: (281) 488-4661
BP CONTACT REQUESTING RUSH TAT (Print BP Contact Name)	RUSH REQUESTED OF (Print Consultant Contact Name)	DATE/TIME	SHIPMENT DATE / SHIPMENT METHOD

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

ANALYSIS REQUIRED

AIRBILL NUMBER

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX SOIL/WATER	CONTAINERS NO.	CONTAINERS TYPE (VOL)	PRESERVATIVE LAB SAMPLE #	TPH-G + BTEX / MTBE (8015M) (8020)	TPH-D (8015M)	FUEL OXYGENATES (8260)	1,2 DCA + EDB (8010)	COMMENTS
A -	7/2	1614	W	9	40ml		X		X	X	851701141
B -		1636		6			X		X		42
C -		1653		6			X		X		43
D -		1707		3			X				44

SAMPLED BY (Please Print Name): Hank Castro

SAMPLED BY (Signature): Hank Castro

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
Ken Shih / Hank Castro Airborne Express	7/5/01	1405	AIRBORNE EXPRESS	7/5/01	1405
Airborne Express	7/9/01	10:30	Dyanice / Pace	7/9/01	10:30

Field
Data
Sheets

WELL GAUGING DATA

Project # 010702-C3 Date 7-2-01 Client BP

Site 18501 Hesperian Blvd.

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					17.95	30.41		G
MW-2						17.45	24.77		G
MW-3						17.70	24.83		G
MW-4		A				16.75	25.00		S
MW-5		B				16.65	22.37		S
MW-6		C				16.27	24.90		S
MW-7	↓	D				16.75	24.26	↓	S

BP WELL MONITORING DATA SHEET

Project #: 010702-C3	Station # BP 11107
Sampler: Hank	Date: 7-2-01
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 25.00	Depth to Water: 16.75
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 / X Disposable Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

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

9

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1603	79.1	7.4	815	1.3	
1606	79.3	7.2	827	2.6	
1609	79.0	7.2	804	4	

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

Sampling Time: 1614 Sampling Date: 7-2-01

Sample I.D. (Blind): A 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 #: 010702-C3	Station # BP 11107
Sampler: Hank	Date: 7-2-01
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 22.37	Depth to Water: 16.65
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
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: ___

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

6

.9	X	3	=	2.7 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1625	76.6	7.4	821	1	
1628	76.4	7.4	861	2	
1631	76.7	7.4	878	3	

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Time: 1636 Sampling Date: 7-2-01

Sample I.D. (Blind): B 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 #: 010702-C3	Station # BP 11107
Sampler: Hank	Date: 7-2-01
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 24.90	Depth to Water: 16.27
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 / X Disposable Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___ (6)

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1640	76.6	7.2	844	1.3	
1644	76.4	7.0	814	2.6	
1647	76.4	7.2	837	4	

Did well dewater? Yes (No)		Gallons actually evacuated: 4	
Sampling Time: 1653		Sampling Date: 7-2-01	
Sample I.D. (Blind): ~~MW~~ C		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 #: 010702-C3	Station # BP 11107
Sampler: Hank	Date: 7-2-01
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 24.26	Depth to Water: 16.75
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 / X Disposable Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ____ — 3

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

1.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1656	74.9	7.1	793	1.2	
1659	74.4	7.0	809	2.4	
1702	74.6	7.1	817	3.6	

Did well dewater? Yes (No)		Gallons actually evacuated: 3.6	
Sampling Time: 1707		Sampling Date: 7-2-01	
Sample I.D. (Blind): D		Laboratory: (Pace) Other____	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV