bp

Scott T. Hooton
Portfolio Manager

#1771

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

Switchboard: 425/251-0667
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November 7, 2001

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

NOV 15 2001

Re: Former BP Oil Site No. 11270
3255 MeCartney Road
Alameda, CA

Direct: 425/251-0689
Cell: 206/335-0689
hootonst@bp.com
www.bp.com

Dear Mr. Chan:

Enclosed please find 23 October 2001 *Third Quarter 2001 Groundwater Monitoring* report prepared by Blaine Tech Services on behalf of BP. The report summarizes groundwater monitoring and sampling data obtained since 1992, including results associated with sampled recently collected on 18 September 2001.

Upon review of the results reported this quarter, you will note that aromatic petroleum hydrocarbons were detected in a sample obtained from well MW-6. MTBE was detected in samples obtained from all of the wells at concentrations ranging from 23.4 µg/l (XW-3) to 50.7 µg/l (MW-6). It is noted that MTBE concentrations this quarter were all lower than concentrations reported during the previous sampling event. Since the Alameda County Health Care Services Agency is currently evaluating this site for a finding for case closure or no further action, it seems that the collection of additional data will not improve the certainty of pending corrective action decisions. I will assume, then, that the collection of additional monitoring data is no longer necessary.

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

Sincerely,

Scott Hooton

Attachment

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

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
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CONTRACTOR'S LICENSE #746684
www.blainetech.com

October 23, 2001

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

3rd Quarter 2001 Monitoring at 11270

Third Quarter 2001 Groundwater Monitoring
BP Service Station Number 11270
3255 MeCartney Rd.,
Alameda, CA

Monitoring Performed on September 18, 2001

Groundwater Sampling Report **010918-R-2**

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.

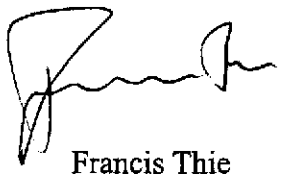
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The **Professional Engineering Appendix** 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,

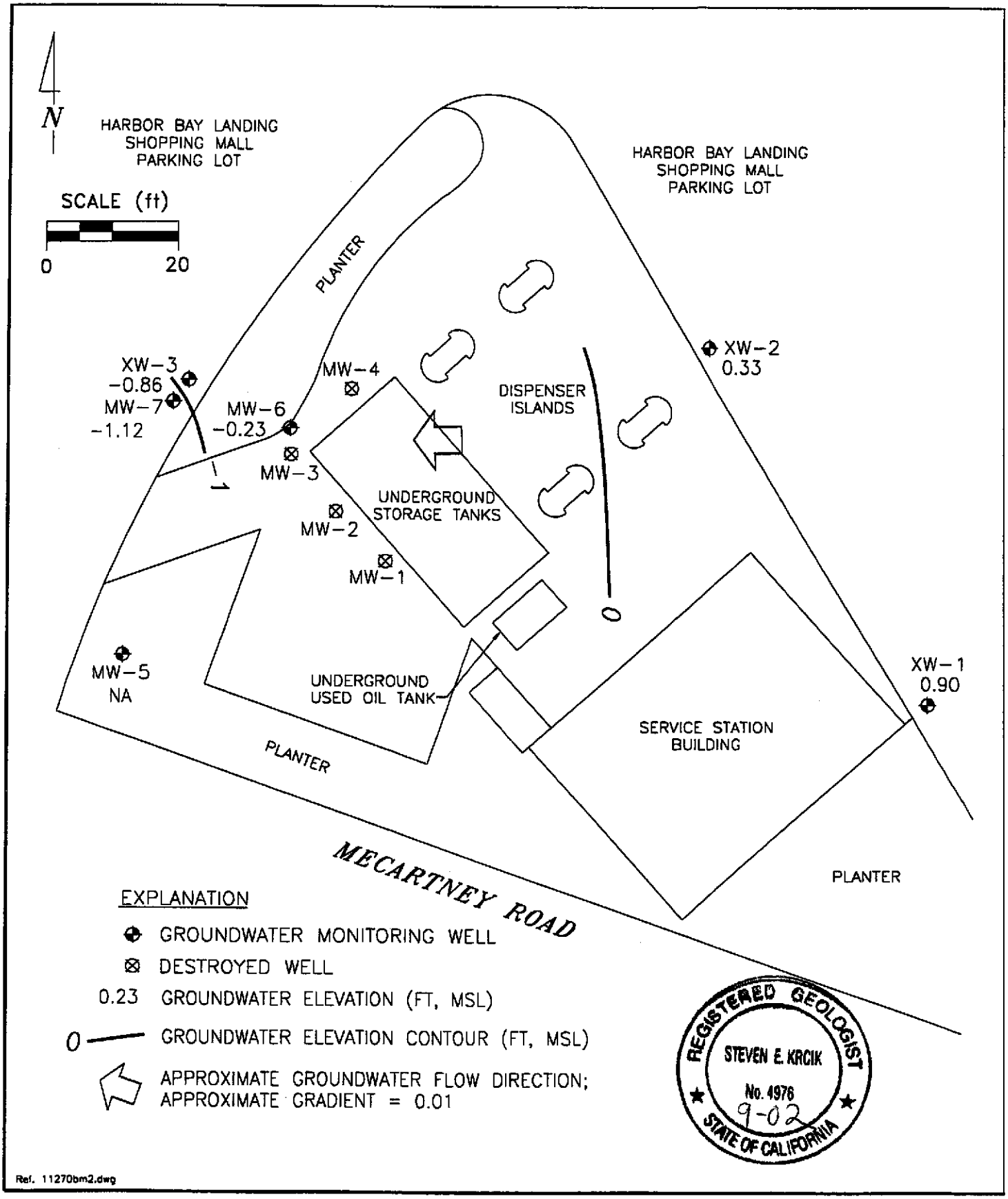


Francis Thie
Vice President

FPT/mb

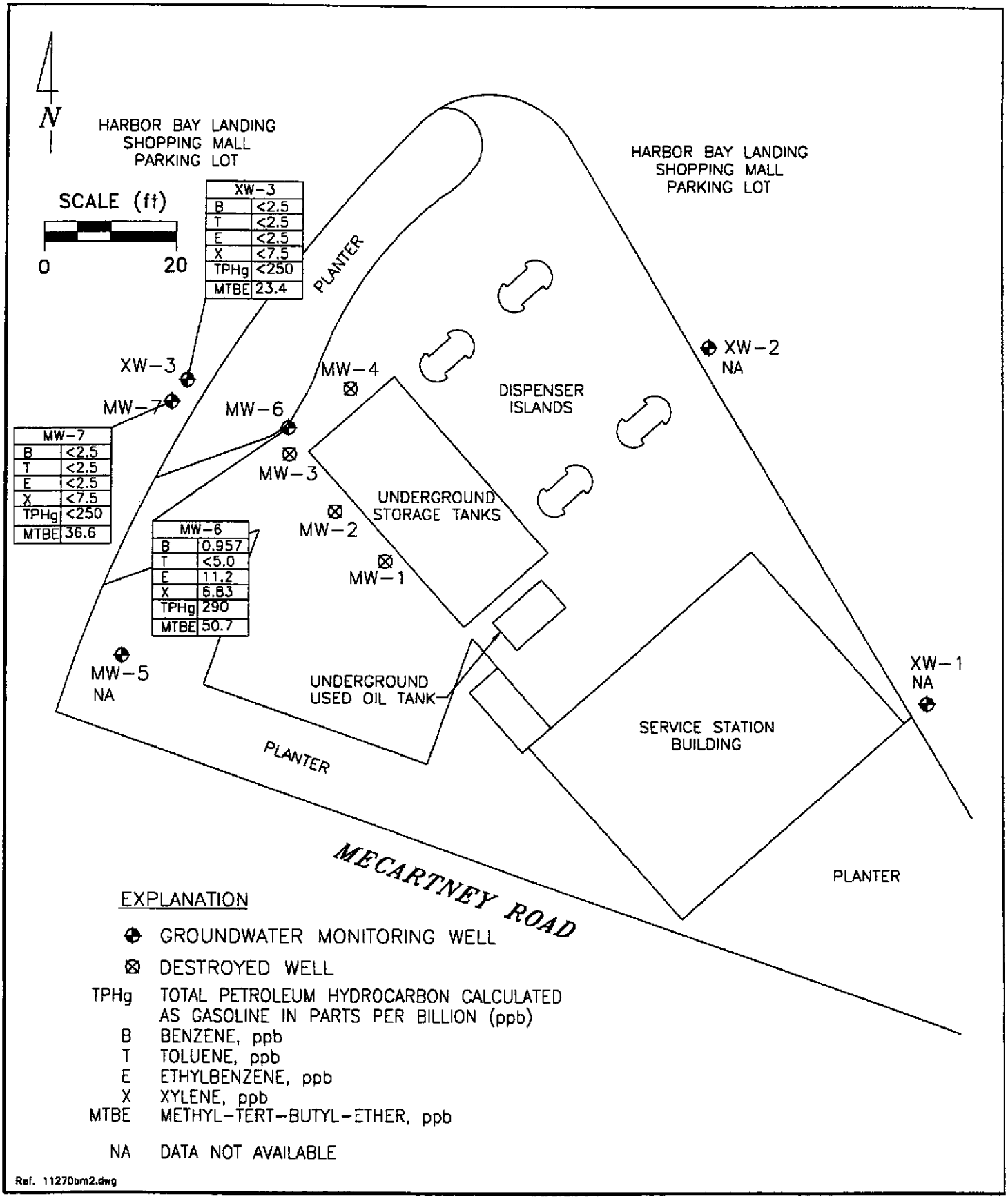
attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix



Ref. 11270bm2.dwg

PREPARED BY RRM engineering contracting firm	**GROUNDWATER ELEVATION CONTOUR MAP, SEPTEMBER 18, 2001** **BP Oil Service Station No. 11270** 3255 Mecartney Road Alameda, California	FIGURE: 1 PROJECT: DAC04



EXPLANATION

- ⊕ GROUNDWATER MONITORING WELL
- ⊠ DESTROYED 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
- NA DATA NOT AVAILABLE

Ref. 11270bm2.dwg

PREPARED BY
RRM
engineering contracting firm

HYDROCARBON CONCENTRATION MAP, SEPTEMBER 18, 2001

BP Oil Service Station No. 11270
3255 Mecartney Road
Alameda, California

FIGURE: **2**

PROJECT: DAC04

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (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)	TDS (ug/l)	DO (ppm)	LAB
MW-1 (c)	10/29/92	7.49	7.28	---	0.21	---	---	---	---	---	---	---	---	---	---
MW-1 (c)	06/21/93	7.49	5.40	---	2.09	---	---	---	---	---	---	---	---	---	---
MW-1	04/05/94	7.49	5.64	---	1.85	1700	---	20	1.1	3.9	7.6	---	---	---	PACE
MW-1	07/28/94	7.49	6.22	---	1.27	---	---	---	---	---	---	---	---	---	---
MW-1	10/26/94	7.49	6.40	---	1.09	---	---	---	---	---	---	---	---	---	---
MW-1 (d)	02/05/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	10/29/92	7.07	6.84	---	0.23	2500	3900	140	ND<10	65	22	---	---	---	---
MW-2	06/21/93	7.07	5.49	---	1.58	720	770	12	1.5	11	12	---	---	---	---
MW-2	04/05/94	7.07	5.40	---	1.67	420	1300	ND<0.5	ND<0.5	ND<0.5	4	4500 (e)	---	1.8	PACE
MW-2	07/28/94	7.07	5.97	---	1.10	---	---	---	---	---	---	---	---	---	---
MW-2	10/26/94	7.07	6.10	---	0.97	---	---	---	---	---	---	---	---	---	---
MW-2 (d)	02/05/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3 (c)	10/29/92	7.08	7.14	---	-0.06	---	---	---	---	---	---	---	---	---	---
MW-3 (c)	06/21/93	7.08	5.84	---	1.24	---	---	---	---	---	---	---	---	---	---
MW-3	04/05/94	7.08	5.83	---	1.25	990	4300	3.2	ND<0.5	ND<0.5	1.3	790 (e)	---	---	PACE
MW-3	07/28/94	7.08	6.32	---	0.76	---	---	---	---	---	---	---	---	---	---
MW-3	10/26/94	7.08	6.42	---	0.66	---	---	---	---	---	---	---	---	---	---
MW-3 (d)	02/05/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	10/29/92	7.13	6.90	---	0.23	2600	---	250	2.5	74	6.6	---	---	---	---
MW-4	06/21/93	7.13	5.54	---	1.59	1400	1100	24	2.9	2.6	7.9	---	---	---	---
MW-4	04/05/94	7.13	5.46	---	1.67	930	940	33	0.8	ND<0.5	2.8	8700 (e)	---	2.7	PACE
MW-4	07/28/94	7.13	6.02	---	1.11	2400	1400	19	1.8	0.5	8	---	---	6.7	PACE
QC-1 (f)	07/28/94	---	---	---	---	2300	---	19	1.7	0.5	7.4	---	---	---	PACE
MW-4	10/26/94	7.13	6.13	---	1.00	---	---	---	---	---	---	---	---	---	---
MW-4 (d)	02/05/95	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (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)	TDS (ug/l)	DO (ppm)	LAB
MW-5	06/21/93	8.36	7.44	---	0.92	ND<50	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	---
MW-5	04/05/94	8.36	7.42	---	0.94	ND<50	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	2.5	PACE
QC-1 (f)	04/05/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-5	07/28/94	8.36	7.88	---	0.48	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	7.4	PACE
MW-5	10/26/94	8.36	7.92	---	0.44	ND<50	160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	5.5	PACE
QC-1 (f)	10/26/94	---	---	---	---	ND<50	---	ND<0.5	0.5	ND<0.5	ND<0.5	---	---	---	PACE
MW-5	02/05/95	8.36	7.83	---	0.53	ND<50	ND<500	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	---	---	ATI
QC-1 (f)	02/05/95	---	---	---	---	ND<50	---	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	---	---	ATI
MW-5	05/05/95	8.36	9.00	---	-0.64	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	3.1	ATI
MW-5	07/19/95	8.36	9.03	---	-0.67	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	14700	4.6	ATI
MW-5	10/12/95	8.36	9.15	---	-0.79	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	8490	4.3	ATI
MW-5	01/08/96	8.36	9.04	---	-0.68	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	10000	4.9	ATI
MW-5	09/11/97	8.36	8.90	---	-0.54	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	4	SPL
MW-5	01/27/98	8.36	8.27	---	0.09	---	---	---	---	---	---	---	---	---	---
MW-5	04/19/98	8.36	8.60	---	-0.24	---	---	---	---	---	---	---	---	---	---
MW-5	09/27/00	8.36	8.68	---	-0.32	---	---	---	---	---	---	---	---	---	---
MW-5	03/21/01	8.36	8.13	---	0.23	---	---	---	---	---	---	---	---	---	---
MW-5 (k)	09/18/01	8.36	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	02/05/95	6.88	6.39	---	0.49	1000	1000	7.6	19	9.1	96	--- (g)	---	5	ATI
MW-6	05/05/95	6.88	6.85	---	0.03	2300	---	49	9	130	46	---	---	3.3	ATI
QC-1 (f)	05/05/95	---	---	---	---	2400	---	49	9.2	140	48	---	---	---	ATI
MW-6	07/19/95	6.88	7.13	---	-0.25	1500	---	84	3.3	28	24	--- (g)	818	3.7	ATI
QC-1 (f)	07/19/95	---	---	---	---	1500	---	89	3.8	30	26	--- (g)	---	---	ATI
MW-6	10/12/95	6.88	7.35	---	-0.47	1800	---	38	13	38	86	2500	868	4.1	ATI
QC-1 (f)	10/12/95	---	---	---	---	1100	---	33	7	18	44	2200	---	---	ATI
MW-6	01/08/96	6.88	7.04	---	-0.16	1300	---	31	4.7	60	53	170	474	4.2	ATI
QC-1 (f)	01/08/96	---	---	---	---	1000	---	27	4	49	44	150	---	---	ATI
MW-6	09/11/97	6.88	7.29	---	-0.41	ND<250	---	8.5	ND<5.0	11	6	1400	---	3.5	SPL
QC-1 (f)	09/11/97	---	---	---	---	210	---	8.7	ND<5.0	14	8	1400	---	---	SPL
MW-6	01/27/98	6.88	6.20	---	0.68	47000	---	350	150	360	690	38000	---	4.6	SPL
QC-1 (f)	01/27/98	---	---	---	---	51000	---	290	120	300	580	35000	---	---	SPL
MW-6	04/19/98	6.88	6.64	---	0.24	36000	---	40	510	140	10500	660	---	4	SPL
QC-1 (f)	04/19/98	---	---	---	---	24000	---	20	360	81	7100	480	---	---	SPL
MW-6	09/27/00	6.88	6.99	---	-0.11	1400	---	6.9	19	110	53	33/32 (i)	---	---	PACE
MW-6	03/21/01	6.88	6.36	---	0.52	330	---	2.2	1.42	50.4	10.2	56.3	---	---	PACE
MW-6	09/18/01	6.88	7.11	---	-0.23	290	---	0.957	ND<5.0	11.2	6.83	50.7	---	---	PACE

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (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)	TDS (ug/l)	DO (ppm)	LAB
MW-7	02/05/95	6.62	7.62	---	-1.00	280	ND<500	ND<0.25	ND<0.25	ND<0.25	ND<0.50	--- (g)	---	5.1	ATI
MW-7	05/05/95	6.62	7.64	---	-1.02	290	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	3.6	ATI
MW-7	07/19/95	6.62	7.70	---	-1.08	150	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--- (g)	12100	4.6	ATI
MW-7	10/12/95	6.62	7.88	---	-1.26	110	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	390	14000	4.7	ATI
MW-7	01/08/96	6.62	7.66	---	-1.04	90	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	300	12060	4.9	ATI
MW-7	09/11/97	6.62	7.78	---	-1.16	ND<50	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	63	---	3.8	SPL
MW-7	01/27/98	6.62	7.30	---	-0.68	1400	---	7.7	ND<1.0	ND<1.0	ND<1.0	920	---	4.4	SPL
MW-7	04/19/98	6.62	7.52	---	-0.90	3500	---	15	7.7	11	19.3	3600	---	4.7	SPL
MW-7	09/27/00	6.62	7.71	---	-1.09	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	71/70 (i)	---	---	PACE
MW-7 (j)	03/21/01	6.62	7.62	---	-1.00	---	---	---	---	---	---	---	---	---	---
MW-7	03/29/01	6.62	7.57	---	-0.95	80	---	ND<0.5	ND<0.5	ND<0.5	ND<1.5	88.2	---	---	PACE
MW-7	09/18/01	6.62	7.74	---	-1.12	ND<250	---	ND<2.5	ND<2.5	ND<2.5	ND<7.5	36.6	---	---	PACE
XW-1	06/21/93	---	---	---	---	---	---	---	---	---	---	---	---	---	---
XW-1	04/05/94	---	5.36	---	---	ND<50	70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	3	PACE
XW-1	07/28/94	---	5.92	---	---	---	---	---	---	---	---	---	---	---	PACE
XW-1	10/26/94	---	6.05	---	---	---	---	---	---	---	---	---	---	---	---
XW-1	02/05/95	7.49	5.82	---	1.67	ND<50	ND<500	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	---	4.9	ATI
XW-1	05/05/95	7.49	5.57	---	1.92	---	---	---	---	---	---	---	---	---	---
XW-1	07/19/95	7.49	6.12	---	1.37	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	1680	4.3	ATI
XW-1	10/12/95	7.49	6.82	---	0.67	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	1150	3.8	ATI
XW-1	01/08/96	7.49	6.11	---	1.38	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	1300	4.7	ATI
XW-1	09/11/97	7.49	6.57	---	0.92	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.3	SPL
XW-1	01/27/98	7.49	5.27	---	2.22	---	---	---	---	---	---	---	---	---	---
XW-1	04/19/98	7.49	5.24	---	2.25	---	---	---	---	---	---	---	---	---	---
XW-1	09/27/00	7.49	6.13	---	1.36	---	---	---	---	---	---	---	---	---	---
XW-1	03/21/01	7.49	5.97	---	1.52	---	---	---	---	---	---	---	---	---	---
XW-1	09/18/01	7.49	6.59	---	0.90	---	---	---	---	---	---	---	---	---	---

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	PRODUCT THICKNESS (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)	TDS (ug/l)	DO (ppm)	LAB
XW-2	06/21/93	7.48	5.89	---	1.59	---	---	---	---	---	---	---	---	---	---
XW-2	04/05/94	7.48	5.77	---	1.71	ND<50	160	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	3	PACE
XW-2	07/28/94	7.48	6.25	---	1.23	---	---	---	---	---	---	---	---	---	PACE
XW-2	10/26/94	7.48	6.39	---	1.09	---	---	---	---	---	---	---	---	---	---
XW-2	02/05/95	7.48	5.62	---	1.86	ND<50	ND<500	ND<0.25	0.38	ND<0.25	ND<0.50	---	---	5.2	ATI
XW-2	05/05/95	7.48	5.66	---	1.82	---	---	---	---	---	---	---	---	---	---
XW-2	07/19/95	7.48	6.8	---	0.68	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	4750	3.9	ATI
XW-2	10/12/95	7.48	7.21	---	0.27	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	3630	4.3	ATI
XW-2	01/08/96	7.48	6.79	---	0.69	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	3440	4.2	ATI
XW-2	09/11/97	7.48	6.86	---	0.62	ND<50	---	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<10	---	3.6	SPL
XW-2	01/27/98	7.48	5.88	---	1.60	---	---	---	---	---	---	---	---	---	---
XW-2	04/19/98	7.48	5.42	---	2.06	---	---	---	---	---	---	---	---	---	---
XW-2	09/27/00	7.48	6.86	---	0.62	---	---	---	---	---	---	---	---	---	---
XW-2	03/21/01	7.48	6.60	---	0.88	---	---	---	---	---	---	---	---	---	---
XW-2	09/18/01	7.48	7.15	---	0.33	---	---	---	---	---	---	---	---	---	---
XW-3	06/21/93	6.84	5.85	---	0.99	---	---	---	---	---	---	---	---	---	---
XW-3	04/05/94	6.84	5.85	---	0.99	ND<50	150	ND<0.5	0.7	ND<0.5	ND<0.5	---	---	3.1	PACE
XW-3	07/28/94	6.84	6.28	---	0.56	---	---	---	---	---	---	---	---	---	PACE
XW-3	10/26/94	6.84	6.4	---	0.44	---	---	---	---	---	---	---	---	---	---
XW-3	02/05/95	6.84	7.23	---	-0.39	280	ND<500	ND<0.50	ND<0.50	0.63	ND<1.0	--- (g)	---	4.9	ATI
XW-3	05/05/95	6.84	7.43	---	-0.59	---	---	---	---	---	---	---	---	---	---
XW-3	07/19/95	6.84	7.6	---	-0.76	400	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	10400	4.3	ATI
XW-3	10/12/95	6.84	7.74	---	-0.90	130	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	480 (e)	8430	4.7	ATI
XW-3	01/08/96	6.84	7.58	---	-0.74	320	---	ND<2.5	ND<2.5	ND<2.5	ND<5.0	1100	10000	4.4	ATI
XW-3	01/27/98	6.84	7.01	---	-0.17	1200	---	2.8	ND<1.0	ND<1.0	ND<1.0	990	---	4.3	SPL
XW-3	04/19/98	6.84	7.28	---	-0.44	4500	---	ND<2.5	ND<5.0	ND<5.0	ND<5.0	4800	---	4.3	SPL
XW-3	09/27/00	6.84	7.59	---	-0.75	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	35/38 (i)	---	---	PACE
XW-3	03/21/01	6.84	7.35	---	-0.51	ND<250	---	ND<2.5	ND<2.5	ND<2.5	ND<7.5	61.7	---	---	PACE
XW-3	09/18/01	6.84	7.70	---	-0.86	ND<250	---	ND<2.5	ND<2.5	ND<2.5	ND<7.5	23.4	---	---	PACE
QC-2 (h)	04/05/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
QC-2 (h)	07/28/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
QC-2 (h)	10/26/94	---	---	---	---	ND<50	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	---	---	---	PACE
QC-2 (h)	02/05/95	---	---	---	---	ND<50	---	ND<0.25	ND<0.25	ND<0.25	ND<0.50	---	---	---	ATI
QC-2 (h)	05/05/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	ATI
QC-2 (h)	07/19/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	---	---	---	ATI
QC-2 (h)	10/12/95	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	ATI
QC-2 (h)	01/08/96	---	---	---	---	ND<50	---	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	---	---	ATI

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER MONITORING

ADDITIONAL ANALYSES

Well ID	DATE OF SAMPLING/ MONITORING	TBA (ug/l)	DIPE (ug/l)	ETBE (ug/l)	TAME (ug/l)	LAB
MW-6	09/27/00	ND<10	ND<1.0	ND<1.0	6.2	PACE
MW-7	09/27/00	20	ND<1.0	ND<1.0	9.4	PACE
XW-3	09/27/00	ND<10	ND<1.0	ND<1.0	6.2	PACE

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
TDS	Total dissolved solids
DO	Dissolved oxygen
ug/l	Micrograms per liter
mg/l	Milligrams per liter
ppm	Parts per million
---	Not analyzed/measured/applicable
ND	Not detected above reported detection limit
PACE	Pace, Inc.
ATI	Analytical Technologies, Inc.
SPL	Southern Petroleum Laboratories
DIPE	Di-Isopropyl Ether
ETBE	Ethyl t-Butyl Ether
TAME	t-Amyl Methyl Ether

NOTES:

Blaine Tech Services, Inc. began routine monitoring of this facility on September 27, 2000. All previous data provided by Alisto Engineering.

(a) Casing elevations surveyed to nearest 0.01 foot relative to an arbitrary datum.

(b) Groundwater elevations in feet above an arbritary datum.

(c) Not sampled due to inadequate recharge.

(d) Wells destroyed by HETI on January 18 and 19, 1995.

(e) A copy of the documentation for this data is included in Appendix C of Alisto report 10-206-04-001.

(f) Blind duplicate.

(g) MTBE peak present. See documentation for this data included in Appendix C of Alisto report 10-206-04-001.

(h) Travel blank.

(i) MTBE by 8020/8260.

(j) Samples lost, resampled 3/29/01.

(k) Unable to locate well.

Analytical Appendix

Pace Analytical™
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Pace Analytical Services, Inc.
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Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

September 25, 2001

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

RE: Lab Project Number: 8523381
Client Project ID: BP Site# 11270

Dear Ms. Magyar:

Enclosed are the analytical results for sample(s) received by the laboratory on September 20, 2001. 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
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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

Lab Project Number: 8523381
Client Project ID: BP Site# 11270

Attn: Ms. Cindy Magyar
Phone:

Lab Sample No: 851711494 Project Sample Number: 8523381-001 Date Collected: 09/18/01 14:25
Client Sample ID: MW-6 (11270) Matrix: Water Date Received: 09/20/01 08:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Reg Lim
GC Volatiles								
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified							
Gasoline Range Organics	290	ug/l	50.	1.0	09/24/01 18:16	WRIC		
1,4-Difluorobenzene (S)	127	%		1.0	09/24/01 18:16	WRIC		
4-Bromofluorobenzene (S)	112	%		1.0	09/24/01 18:16	WRIC 460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021							
Benzene	0.957	ug/l	0.500	1.0	09/24/01 18:16	WRIC 71-43-2		
Ethylbenzene	11.2	ug/l	0.500	1.0	09/24/01 18:16	WRIC 100-41-4		
Toluene	ND	ug/l	0.500	1.0	09/24/01 18:16	WRIC 108-88-3		
Xylene (Total)	6.83	ug/l	1.50	1.0	09/24/01 18:16	WRIC 1330-20-7		
Methyl-tert-butyl ether	50.7	ug/l	0.500	1.0	09/24/01 18:16	WRIC 1634-04-4		
1,4-Difluorobenzene (S)	107	%		1.0	09/24/01 18:16	WRIC		
4-Bromofluorobenzene (S)	100	%		1.0	09/24/01 18:16	WRIC 460-00-4		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8523381
Client Project ID: BP Site# 11270

Lab Sample No: 851711495 Project Sample Number: 8523381-002 Date Collected: 09/18/01 13:40
Client Sample ID: MW-7 Matrix: Water Date Received: 09/20/01 08:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed	CAS No.	Ftnote	Req Lim
GC Volatiles								
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified							
Gasoline Range Organics	ND	ug/l	250	5.0	09/25/01 13:33	WRIC		
1,4-Difluorobenzene (S)	117	%		1.0	09/25/01 13:33	WRIC		
4-Bromofluorobenzene (S)	106	%		1.0	09/25/01 13:33	WRIC 460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021							
Benzene	ND	ug/l	2.50	5.0	09/25/01 13:33	WRIC 71-43-2		
Ethylbenzene	ND	ug/l	2.50	5.0	09/25/01 13:33	WRIC 100-41-4		
Toluene	ND	ug/l	2.50	5.0	09/25/01 13:33	WRIC 108-88-3		
Xylene (Total)	ND	ug/l	7.50	5.0	09/25/01 13:33	WRIC 1330-20-7		
Methyl-tert-butyl ether	36.6	ug/l	2.50	5.0	09/25/01 13:33	WRIC 1634-04-4		
1,4-Difluorobenzene (S)	100	%		1.0	09/25/01 13:33	WRIC		
4-Bromofluorobenzene (S)	98	%		1.0	09/25/01 13:33	WRIC 460-00-4		

Comments : The sample was diluted to reduce matrix interference, resulting in elevated reporting limits.(8021)

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Lab Project Number: 8523381
Client Project ID: BP Site# 11270

Lab Sample No: 851711496 Project Sample Number: 8523381-003 Date Collected: 09/18/01 13:50
Client Sample ID: XW-3 Matrix: Water Date Received: 09/20/01 08:45

Parameters	Results	Units	Report Limit	Dilution	Analyzed		CAS No.	Ftnote	Reg Lim
GC Volatiles									
GAS by Mod 8015, Water	Prep/Method: EPA 8015 Modified / EPA 8015 Modified								
Gasoline Range Organics	ND	ug/l	250	5.0	09/25/01 13:53	WRIC			
1,4-Difluorobenzene (S)	119	%		1.0	09/25/01 13:53	WRIC			
4-Bromofluorobenzene (S)	106	%		1.0	09/25/01 13:53	WRIC	460-00-4		
SW8021 Aromatics, Water	Prep/Method: See analytical meth / EPA 8021								
Benzene	ND	ug/l	2.50	5.0	09/25/01 13:53	WRIC	71-43-2		
Ethylbenzene	ND	ug/l	2.50	5.0	09/25/01 13:53	WRIC	100-41-4		
Toluene	ND	ug/l	2.50	5.0	09/25/01 13:53	WRIC	108-88-3		
Xylene (Total)	ND	ug/l	7.50	5.0	09/25/01 13:53	WRIC	1330-20-7		
Methyl-tert-butyl ether	23.4	ug/l	2.50	5.0	09/25/01 13:53	WRIC	1634-04-4		
1,4-Difluorobenzene (S)	100	%		1.0	09/25/01 13:53	WRIC			
4-Bromofluorobenzene (S)	99	%		1.0	09/25/01 13:53	WRIC	460-00-4		

Comments : The sample was diluted to reduce matrix interference, resulting in elevated reporting limits.(8021)

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 8523381
Client Project ID: BP Site# 11270

PARAMETER FOOTNOTES

ND Not Detected
NC Not Calculable
(S) Surrogate

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QUALITY CONTROL DATA

Lab Project Number: 8523381
Client Project ID: BP Site# 11270

QC Batch: 58281 Analysis Method: EPA 8021
QC Batch Method: See analytical meth Analysis Description: SW8021 Aromatics, Water
Associated Lab Samples: 851711494 851711495 851711496

METHOD BLANK: 851711940
Associated Lab Samples: 851711494 851711495 851711496

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)	%	102		
4-Bromofluorobenzene (S)	%	99		

LABORATORY CONTROL SAMPLE: 851711941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Benzene	ug/l	50	46.89	94	
Ethylbenzene	ug/l	50	52.20	104	
Toluene	ug/l	50	50.90	102	
Xylene (Total)	ug/l	100	106.6	107	
Methyl-tert-butyl ether	ug/l	50	51.07	102	
1,4-Difluorobenzene (S)				104	
4-Bromofluorobenzene (S)				100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851712013 851712014

Parameter	Units	851711559 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	0	50.00	45.64	44.64	91	89	2	
Ethylbenzene	ug/l	0	50.00	53.73	52.38	108	105	3	
Toluene	ug/l	0	50.00	50.93	49.71	102	99	2	
Xylene (Total)	ug/l	0	100.00	106.0	103.4	106	103	2	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Lab Project Number: 8523381
Client Project ID: BP Site# 11270

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851712013 851712014

Parameter	Units	851711559 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Methyl-tert-butyl ether	ug/l	0	50.00	44.97	45.23	90	90	1	
1,4-Difluorobenzene (S)						102	102		
4-Bromofluorobenzene (S)						99	100		

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QUALITY CONTROL DATA

Lab Project Number: 8523381
Client Project ID: BP Site# 11270

QC Batch: 58282 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 8015 Modified Analysis Description: GAS by Mod 8015, Water
Associated Lab Samples: 851711494 851711495 851711496

METHOD BLANK: 851711944
Associated Lab Samples: 851711494 851711495 851711496

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Gasoline Range Organics	ug/l	ND	50.	
1,4-Difluorobenzene (S)	%	118		
4-Bromofluorobenzene (S)	%	108		

LABORATORY CONTROL SAMPLE: 851711945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Gasoline Range Organics	ug/l	1000	1030	103	
1,4-Difluorobenzene (S)				121	
4-Bromofluorobenzene (S)				113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851711946 851711947

Parameter	Units	851711497 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Gasoline Range Organics	ug/l	229.4	1000.00	1392	1266	116	104	9	
1,4-Difluorobenzene (S)						125	123		
4-Bromofluorobenzene (S)						114	114		

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Lab Project Number: 8523381
Client Project ID: BP Site# 11270

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
NC Not Calculable
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: 11270	BP SITE / FACILITY ADDRESS: 3255 Mecartney Rd., Alameda		CONSULTANT PROJECT NUMBER: 609 18-R2
CONSULTANT PROJECT MANAGER: Scott Boor	PHONE NUMBER: (408) 573-0555 x 223	FAX NUMBER: (408) 573-7771	CONSULTANT CONTRACT NUMBER: J587909A
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
MW-6	9/18	1425	W	3	VOAs		X				851711494
MW-7	"	1340	"	"	"		X				495
XW-3	9/18	1350	W	3	VOAs		X				496

SAMPLED BY (Please Print Name): Henry Chatman

SAMPLED BY (Signature):

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION (Print Name / Signature)	DATE	TIME	ACCEPTED BY / AFFILIATION (Print Name / Signature)	DATE	TIME
Henry Chatman	9/18/01	1707	Focal Refugees	9/18/01	1707
			AIRBORNE EXPRESS	9/19/01	1400
AIRBORNE	9/20/01	1145	TRACY MORGAN / PACE	9/20/01	1145

Field
Data
Sheets

WELL GAUGING DATA

Project # 010918-R2 Date 9/18/01 Client BP 11270

Site 3255 MECARTNEY Rd

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-5	— Unable	to	locate					TOC	
MW-6	4					7.11	14.90		
MW-7	2					7.74	14.78		
XW-1	2					6.59	15.58		
XW-2	2					7.15	14.25		
XW-3	2					7.70	13.84	TOC	

BP WELL MONITORING DATA SHEET

Project #: 010918-RS2	Station # 11270
Sampler: T	Date: 9/18/01
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.96	Depth to Water: 7.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	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: ___

5.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 15 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1402	69.7	7.1	1399	5	Turbid
1410	69.2	7.0	1339	10	"
1418	69.1	7.0	1328	15	"

Did well dewater? Yes (No)		Gallons actually evacuated: 15	
Sampling Time: 1425		Sampling Date: 9/18/01	
Sample I.D. (Blind): 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 WELL MONITORING DATA SHEET

Project #: 010918-R32	Station # 11270
Sampler: T	Date: 9/18/01
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.78	Depth to Water: 7.74
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 / (K) Disposable Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (B) Disposable Bailer / Extraction Port / Other: ___

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1325	69.5	7.2	13.36	1	Turbid
1327	69.3	7.2	13.25	2	"
1329	69.9	7.2	11.60	3	"

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

Sampling Time: 1340 Sampling Date: 9/18/01

Sample I.D. (Blind): MW-7 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 #: 010918-RS2	Station # 11270
Sampler: T	Date: 9/18/01
Well I.D.: XW-3	Well Diameter: ② 3 4 6 8 ___
Total Well Depth: 13.84	Depth to Water: 7.70
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 / ~~Disposable~~ Bailer / Extraction Port / Other: ___

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1339	69.5	6.9	23.30	1	Turbid
1341	69.3	6.8	26.50	2	"
1343	69.0	6.8	22.74	3	"

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

Sampling Time: 1350 Sampling Date: 9/18/01

Sample I.D. (Blind): XW-3 Laboratory: (Pace) Other ___

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

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