Scott T. Hooton
Team Leader

BP Amoco Oil Corporation
295 SW 41st Street
Bldg 13, Suite N
Renton, WA 98055
425/251-0689
425/251-0736 FAX

00 JUL 19 Rec'd

July 12, 2000

Alameda County Health Care Services Agency
Attention Ms. Susan Hugo
1131 Harbour Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: Former BP Oil Site No. 11126
1700 Powell Street (at Christie)
Emeryville, CA

Dear Ms. Hugo:

Enclosed find the 24 May 2000 groundwater monitoring and sampling report prepared on behalf of BP by Blaine Tech Services.

The enclosed report shows that MTBE and other aromatic hydrocarbons were detected in samples obtained from wells MW-1, MW-2, MW-3, MW-4 and MW-9.

Please give me a call at (425) 251-0689 if you have any comments or questions regarding this matter.

Sincerely,

Scott Hooton

attachment

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

11126 (8)

BLAINE
TECH SERVICES INC

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com



May 24, 2000

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

**1st Quarter 2000 Monitoring at 11126**

First Quarter 2000 Groundwater Monitoring
BP Service Station Number 11126
1700 Powell St.
Emeryville, CA

Monitoring Performed on March 22, 2000

Groundwater Sampling Report **000322-N-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.

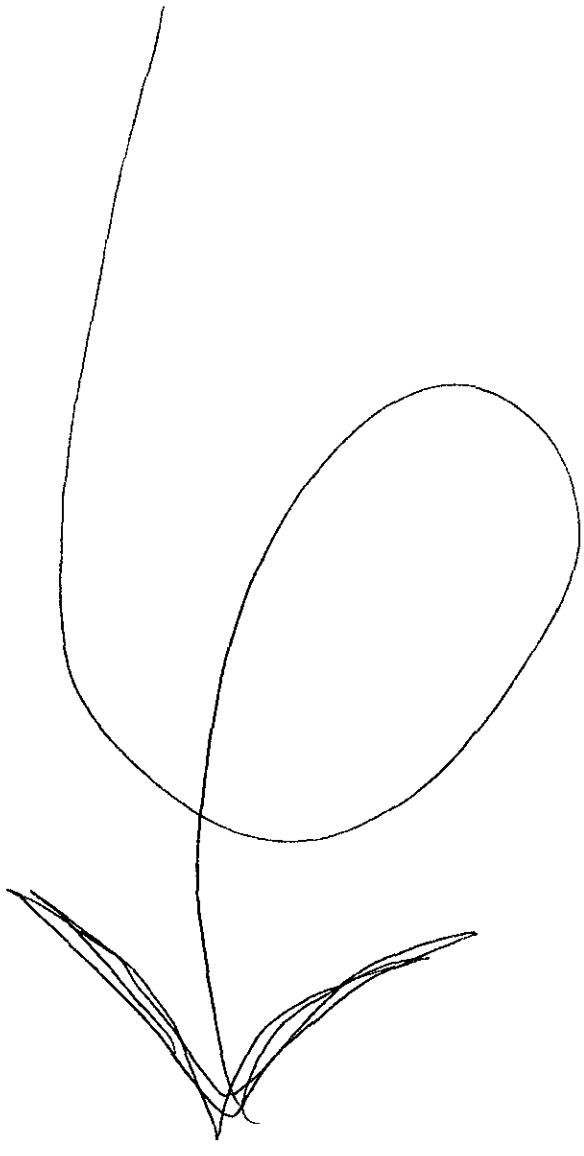
Yours truly,

Francis Thie
Vice President

FPT/cm

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

# Professional Engineering Appendix



# Table of
# Well Data and
# Analytical Results

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) | TOG (ug/l) | HVOC (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 11/04/92 | 7.76 | 4.96 | — | 2.80 | 5300 | — | 1100 | 480 | ND<0.5 | 1500 | — | — | — | — | PACE |
| MW-1 | 10/12/93 | 7.76 | 5.26 | — | 2.50 | 3600 | — | 970 | 71 | 100 | 550 | — | — | — | — | PACE |
| MW-1 | 02/15/94 | 7.76 | 4.98 | — | 2.78 | 17000 | — | 4200 | 510 | 360 | 1600 | — | — | — | 3.9 | PACE |
| MW-1 | 05/11/94 | 7.76 | 4.55 | — | 3.21 | 5500 | — | 2900 | 37 | 56 | 64 | — | — | — | 8.0 | PACE |
| MW-1 | 08/01/94 | 7.76 | 5.51 | — | 2.25 | 15000 | — | 3600 | 740 | 510 | 2800 | 9700 (d) | — | — | 2.9 | PACE |
| QC-1 (e) | 08/01/94 | — | — | — | — | 16000 | — | 3600 | 750 | 510 | 2800 | 9800 (d) | — | — | — | PACE |
| MW-1 | 10/18/94 | 7.76 | 5.11 | — | 2.65 | 16000 | — | 1800 | 61 | 160 | 890 | — | — | — | 2.9 | PACE |
| QC-1 (e) | 10/18/94 | — | — | — | — | 16000 | — | 1900 | 64 | 170 | 950 | — | — | — | — | PACE |
| MW-1 | 01/13/95 | 7.76 | 3.05 | — | 4.71 | 220 | — | 7 | ND<0.5 | 1 | 23 | — | — | — | 6.6 | ATI |
| QC-1 (e) | 01/13/95 | — | — | — | — | 590 | — | 88 | 0.7 | ND<0.5 | 55 | — | — | — | — | ATI |
| MW-1 | 04/13/95 | 7.76 | 3.84 | — | 3.92 | 9300 | — | 4000 | 300 | 200 | 950 | — | — | — | 7.7 | ATI |
| MW-1 | 07/11/95 | 7.76 | 3.60 | — | 4.16 | 15000 | — | 2200 | 84 | ND<25 | 2500 | — | — | — | 8.8 | ATI |
| MW-1 | 11/02/95 | 7.76 | 4.58 | — | 3.18 | 19000 | — | 920 | ND<100 | ND<100 | 430 | 52000 | — | — | 7.3 | ATI |
| MW-1 | 02/05/96 | 7.76 | 4.43 | — | 3.33 | 4600 | — | 1400 | 330 | 54 | 247 | 8700 | — | — | 3.2 | SPL |
| MW-1 | 04/24/96 | 7.76 | 4.00 | — | 3.76 | 2000 | — | 510 | 33 | 61 | 228 | 4500 | — | — | 7.5 | SPL |
| MW-1 | 07/15/96 | 7.76 | 4.30 | — | 3.46 | — | — | — | — | — | — | — | — | — | — | — |
| MW-1 | 07/16/96 | 7.76 | — | — | — | 12000 | — | 2800 | 170 | 390 | 1630 | 64000 | — | — | 7.9 | SPL |
| QC-1 (e) | 07/16/96 | — | — | — | — | 12000 | — | 2800 | 160 | 390 | 1610 | 63000 | — | — | — | SPL |
| MW-1 | 07/30/96 | 7.76 | 4.64 | — | 3.12 | — | — | — | — | — | — | — | — | — | — | — |
| MW-1 | 08/12/96 | 7.76 | — | — | — | 11000 | — | 2500 | 160 | ND<10 | 1740 | 440000 | — | — | 7.0 | SPL |
| MW-1 | 11/04/96 | 7.76 | 5.98 | — | 1.78 | — | — | — | — | — | — | — | — | — | — | — |
| MW-1 | 11/05/96 | 7.76 | — | — | — | 53000 | — | 1300 | 43 | 100 | 349 | 42000/190000 (f) | — | — | 6.6 | SPL |
| MW-1 | 05/17/97 | 7.76 | 4.65 | — | 3.11 | 52000 | — | 1958 | 55 | 305 | 1216 | 140198 | — | — | 5.7 | SPL |
| MW-1 | 08/11/97 | 7.76 | 4.90 | — | 2.86 | 25000 | — | 540 | 6.7 | ND<5.0 | 57 | 360000 | — | — | 7.9 | SPL |
| MW-1 | 11/17/97 | 7.76 | 6.12 | — | 1.64 | 93000 | — | 1200 | 31 | 180 | 40 | 400000 | — | — | 7.6 | SPL |
| MW-1 | 01/29/98 | 7.76 | 4.90 | — | 2.86 | 4800 | — | 320 | 24 | 52 | 19.9 | ND<50 | — | — | 6.6 | SPL |
| MW-1 | 06/22/98 | 7.76 | 4.62 | — | 3.14 | 63000 | — | 180 | ND<5.0 | 15 | 69 | 57000 | — | — | 6.0 | |
| MW-1 | 12/30/98 | 7.76 | 5.41 | — | 2.35 | 22000 | — | 2500 | 24 | 120 | 400 | 15000/13000 (f) | — | — | — | SPL |
| MW-1 | 03/09/99 | 7.76 | 3.40 | — | 4.36 | 16000 | — | 2000 | 84 | 290 | 510 | 13000 | — | — | — | SPL |
| MW-1 | 06/23/99 | 7.76 | 4.60 | — | 3.16 | 9600 | — | 4500 | 21 | 160 | 260 | 24000 | — | — | — | SPL |
| MW-1 | 09/23/99 | 7.76 | 4.21 | — | 3.55 | 3800 | — | 1600 | 32 | 150 | 240 | 7100 | — | — | — | SPL |
| MW-1 | 12/28/99 | 7.76 | 4.10 | — | 3.66 | 3400 | — | ND<2200 | 17 | 53 | 130 | 5500 | — | — | — | PACE |
| MW-1 | 03/22/00 | 7.76 | 5.51 | — | 2.25 | 6400 | — | 1100 | 45 | 190 | 330 | 4900 | — | — | — | 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) | TOG (ug/l) | HVOC (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 | 11/04/92 | 8.56 | 5.88 | — | 2.68 | 12000 | — | 3900 | 1300 | ND<0.5 | 2300 | — | — | — | — | PACE |
| QC-1 (e) | 11/04/92 | — | — | — | | 12000 | — | 3200 | 980 | ND<0.5 | 1900 | — | — | — | — | PACE |
| MW-2 | 10/12/93 | 8.56 | 6.29 | — | 2.27 | 4500 | — | 3400 | 180 | 230 | 940 | — | — | — | — | PACE |
| MW-2 | 02/15/94 | 8.56 | 5.56 | — | 3.00 | 2000 | — | 430 | 270 | 28 | 390 | — | — | — | 4.0 | PACE |
| QC-1 (e) | 02/15/94 | — | — | — | | 1800 | — | 290 | 160 | 14 | 250 | — | — | — | — | PACE |
| MW-2 | 05/11/94 | 8.56 | 5.17 | — | 3.39 | 14000 | — | 3900 | 1200 | 440 | 1900 | — | — | — | 8.9 | PACE |
| QC-1 (e) | 05/11/94 | — | — | — | — | 15000 | — | 5600 | 1500 | 470 | 2000 | 740 (d) | — | — | — | PACE |
| MW-2 | 08/01/94 | 8.56 | 5.43 | — | 3.13 | 8200 | — | 3000 | 420 | 230 | 680 | — | — | — | 2.6 | PACE |
| MW-2 | 10/18/94 | 8.56 | 5.71 | — | 2.85 | 9000 | — | 2000 | 140 | 150 | 420 | — | — | — | 7.2 | PACE |
| MW-2 | 01/13/95 | 8.56 | 4.67 | — | 3.89 | 7900 | — | 2200 | 42 | ND<5 | 770 | — | — | — | 6.8 | ATI |
| MW-2 | 04/13/95 | 8.56 | 4.37 | — | 4.19 | 33000 | — | 8000 | 2500 | 1100 | 6600 | — | — | — | 7.5 | ATI |
| QC-1 (e) | 04/13/95 | — | — | — | — | 25000 | — | 6500 | 1500 | 110 | 5300 | — | — | — | — | ATI |
| MW-2 | 07/11/95 | 8.56 | 4.51 | — | 4.05 | 19000 | — | 3300 | 99 | 7.5 | 4600 | — | — | — | 7.8 | ATI |
| QC-1 (e) | 07/11/95 | — | — | — | — | 28000 | — | 6800 | 1000 | 900 | 4900 | — | — | — | — | ATI |
| MW-2 | 11/02/95 | 8.56 | 5.55 | — | 3.01 | 20000 | — | 3800 | 1200 | 570 | 2700 | 15000 | — | — | 7.3 | ATI |
| QC-1 (e) | 11/02/95 | — | — | — | — | 22000 | — | 4000 | 1200 | 600 | 2700 | 19000 | — | — | — | ATI |
| MW-2 | 02/05/96 | 8.56 | 5.10 | — | 3.46 | 1200 | — | 320 | 220 | 26 | 187 | 99 | — | — | 2.2 | SPL |
| QC-1 (e) | 02/05/96 | — | — | — | — | 910 | — | 290 | 180 | 19 | 137 | 93 | — | — | — | SPL |
| MW-2 | 04/24/96 | 8.56 | 4.95 | — | 3.61 | ND<500 | — | 70 | 22 | ND<10 | 61 | ND<50 | — | — | 7.0 | SPL |
| QC-1 (e) | 04/24/96 | — | — | — | — | ND<500 | — | 100 | 30 | ND<10 | 71 | ND<100 | — | — | — | SPL |
| MW-2 | 07/15/96 | 8.56 | 5.40 | — | 3.16 | — | — | — | — | — | — | — | — | — | — | — |
| MW-2 | 07/16/96 | 8.56 | — | — | — | 12000 | — | 3300 | 1400 | 250 | 2610 | 1400 | — | — | 7.8 | SPL |
| MW-2 | 07/30/96 | 8.56 | 5.44 | — | 3.12 | — | — | — | — | — | — | — | — | — | — | — |
| MW-2 | 11/04/96 | 8.56 | 7.06 | — | 1.50 | — | — | — | — | — | — | — | — | — | — | — |
| MW-2 | 11/05/96 | 8.56 | — | — | — | 7200 | — | 1400 | 230 | 38 | 2110 | 1100 | — | — | 7.4 | SPL |
| QC-1 (e) | 11/05/96 | — | — | — | — | 9200 | — | 1300 | 170 | ND<25 | 2240 | 1100 | — | — | — | SPL |
| MW-2 | 05/17/97 | 8.56 | 5.77 | — | 2.79 | 570 | — | 42 | ND<5.0 | 5.0 | 60 | 210 | — | — | 6.9 | SPL |
| MW-2 | 08/11/97 | 8.56 | 5.71 | — | 2.85 | 6300 | — | 1800 | 130 | 86 | 397 | 2400 | — | — | 8.5 | SPL |
| MW-2 | 11/17/97 | 8.56 | 6.91 | — | 1.65 | 2400 | — | 220 | 30 | 33 | 259 | 130 | — | — | 7.9 | SPL |
| MW-2 | 01/29/98 | 8.56 | 4.61 | — | 3.95 | ND<50 | — | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | ND<10 | — | — | 6.2 | SPL |
| MW-2 | 06/22/98 | 8.56 | 4.80 | — | 3.76 | 4200 | — | 640 | 150 | 120 | 650 | 560 | — | — | 5.4 | SPL |
| MW-2 | 12/30/98 | 8.56 | 5.21 | — | 3.35 | — | — | — | — | — | — | — | — | — | — | — |
| MW-2 | 06/23/99 | 8.56 | 5.30 | — | 3.26 | — | — | — | — | — | — | — | — | — | — | — |
| MW-2 | 09/23/99 | 8.56 | 4.75 | — | 3.81 | 3800 | — | 760 | 19 | 210 | 960 | 910 | — | — | — | SPL |
| MW-2 | 12/28/99 | 8.56 | 4.51 | — | 4.05 | — | — | — | — | — | — | — | — | — | — | — |
| MW-2 | 03/22/00 | 8.56 | 4.21 | — | 4.35 | 2500 (i) | — | 780 | 17 | 44 | 270 | 2800 | — | — | — | 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) | TOG (ug/l) | HVOC (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 11/04/92 | 8.25 | 6.38 | — | 1.87 | 200 | 690 | 1.6 | ND<0.5 | ND<0.5 | 1.1 | — | ND<5000 | ND | — | PACE |
| MW-3 | 10/12/93 | 8.25 | 5.84 | — | 2.41 | 270 | 2100 | 5.0 | 0.7 | ND<0.5 | 2.6 | — | ND<5000 | ND | — | PACE |
| QC-1 (e) | 10/12/93 | — | — | — | | 150 | — | 5.6 | 0.6 | ND<0.5 | 1.6 | — | — | — | — | PACE |
| MW-3 | 02/15/94 | 8.25 | 6.60 | — | 1.65 | 140 | 2.3 | 5.7 | ND<0.5 | ND<0.5 | ND<0.5 | — | 90 | ND | 3.9 | PACE |
| MW-3 | 05/11/94 | 8.25 | 5.86 | — | 2.39 | 190 | 2500 | 2.7 | 1.9 | ND<0.5 | 1.9 | 51 (d) | ND<5000 | ND | 9.2 | PACE |
| MW-3 | 08/01/94 | 8.25 | 6.13 | — | 2.12 | 120 | 1300 | 1.3 | ND<0.5 | 0.5 | 1.1 | — | ND<5000 | ND | 2.9 | PACE |
| MW-3 | 10/18/94 | 8.25 | 6.39 | — | 1.86 | 100 | 2200 | 2.3 | ND<0.5 | ND<0.5 | ND<0.5 | — | ND<5000 | ND | 3.6 | PACE |
| MW-3 | 01/13/95 | 8.25 | 5.47 | — | 2.78 | ND<50 | 970 | 0.8 | ND<0.5 | ND<0.5 | ND<1 | — | — | ND | 7.7 | ATI |
| MW-3 | 04/13/95 | 8.25 | 5.17 | — | 3.08 | 530 | ND<500 | 8.7 | 1.9 | ND<0.5 | 3.9 | — | 2100 | ND | 8.4 | ATI |
| MW-3 | 07/11/95 | 8.25 | 5.37 | — | 2.88 | 78 | 2100 | 0.57 | ND<0.50 | ND<0.50 | ND<1.0 | — | 1900 | ND | 8.3 | ATI |
| MW-3 | 11/02/95 | 8.25 | 6.29 | — | 1.96 | 250 | 2000 | 0.73 | ND<0.50 | ND<0.50 | 1.8 | 270 | 1400 | ND | 8.3 | ATI |
| MW-3 | 02/05/96 | 8.25 | 5.80 | — | 2.45 | ND<50 | 1600 | ND<0.5 | ND<1 | ND<1 | 2.7 | 11 | 9000 | ND | 3.5 | SPL |
| MW-3 | 04/24/96 | 8.25 | 5.69 | — | 2.56 | ND<50 | 2800 | ND<5 | ND<10 | ND<10 | ND<10 | 150 | 6000 | ND | 8.6 | SPL |
| MW-3 | 07/15/96 | 8.25 | 6.18 | — | 2.07 | ND<250 | 3700 | ND<2.5 | ND<5 | ND<5 | ND<5 | ND<50 | 1000 | ND | 7.7 | SPL |
| MW-3 | 07/30/96 | 8.25 | 6.04 | — | 2.21 | — | — | — | — | — | — | — | — | — | — | — |
| MW-3 | 11/04/96 | 8.25 | 7.84 | — | 0.41 | — | — | — | — | — | — | — | — | — | — | — |
| MW-3 | 11/05/96 | 8.25 | — | — | — | 90 | 890 | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | 30 | 2000 | ND | 6.8 | SPL |
| MW-3 | 05/17/97 | 8.25 | 6.49 | — | 1.76 | ND<50 | 2100 | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | 52 | 700 | ND | 6.3 | SPL |
| MW-3 | 08/11/97 | 8.25 | 6.15 | — | 2.10 | 490 | 1900 | ND<2.5 | ND<5.0 | ND<5.0 | ND<5.0 | 170 | ND<5000 | ND | 7.4 | SPL |
| MW-3 | 11/17/97 | 8.25 | 7.15 | — | 1.10 | 120 | 2500 | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | 46 | ND<5000 | ND | 7.0 | SPL |
| MW-3 | 01/29/98 | 8.25 | 5.10 | — | 3.15 | 270 | 1700 | 0.53 | ND<1.0 | ND<1.0 | ND<1.0 | 330 | 2000 | ND | 6.4 | SPL |
| MW-3 | 06/22/98 | 8.25 | 5.50 | — | 2.75 | 200 | 2200 | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | 130 | ND<5 | ND | 5.5 | SPL |
| MW-3 | 12/30/98 | 8.25 | 6.68 | — | 1.57 | — | — | — | — | — | — | — | — | — | — | — |
| MW-3 | 03/09/99 | 8.25 | 5.53 | — | 2.72 | 60 | 840 | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | 19 | 7600 | — | — | SPL |
| MW-3 | 06/23/99 | 8.25 | 6.60 | — | 1.65 | — | — | — | — | — | — | — | — | — | — | — |
| MW-3 | 09/23/99 | 8.25 | 6.17 | — | 2.08 | — | — | — | — | — | — | — | — | — | — | — |
| MW-3 | 12/28/99 | 8.25 | 6.00 | — | 2.25 | — | — | — | — | — | — | — | — | — | — | — |
| MW-3 | 03/22/00 | 8.25 | 4.77 | — | 3.48 | 690 (i) | ND<58 | 4.2 | 3.1 | 0.81 | 2.7 | 2900 | 13000 | — | — | PACE |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 11/04/92 | 8.12 | 6.66 | — | 1.46 | 340 | | — | 4.5 | ND<0.5 | 4.3 | ND<0.5 | — | | — | — | — | PACE |
| MW-4 | 10/12/93 | 8.12 | 6.87 | — | 1.25 | 160 | | — | 5.8 | 1.4 | 0.8 | 2.7 | — | | — | — | — | PACE |
| MW-4 | 02/15/94 | 8.12 | 6.61 | — | 1.51 | 110 | | — | 4.4 | 0.7 | ND<0.5 | 2.5 | 120 | (d) | — | — | 4.3 | PACE |
| MW-4 | 05/11/94 | 8.12 | 5.89 | — | 2.23 | 120 | | — | 0.5 | 0.8 | ND<0.5 | ND<0.5 | 140 | (d) | — | — | 9.3 | PACE |
| MW-4 | 08/01/94 | 8.12 | 6.87 | — | 1.25 | 140 | | — | 0.7 | 2.0 | 5.2 | 15 | — | | — | — | 3.3 | PACE |
| MW-4 | 10/18/94 | 8.12 | 6.62 | — | 1.50 | 140 | | — | 3.5 | ND<0.5 | 0.5 | ND<0.5 | — | | — | — | 3.0 | PACE |
| MW-4 | 01/13/95 | 8.12 | 7.27 | — | 0.85 | ND<50 | | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | — | | — | — | 7.9 | ATI |
| MW-4 | 04/13/95 | 8.12 | 6.51 | — | 1.61 | 73 | | — | 1.2 | ND<0.5 | ND<0.5 | ND<1 | — | | — | — | 9.9 | ATI |
| MW-4 | 07/11/95 | 8.12 | 6.21 | — | 1.91 | 62 | | — | 0.57 | ND<0.50 | ND<0.50 | ND<1.0 | — | | — | — | 7.2 | ATI |
| MW-4 | 11/02/95 | 8.12 | 6.78 | — | 1.34 | 71 | | — | 1.4 | 0.96 | 0.99 | 2.8 | 140 | | — | — | 8.6 | ATI |
| MW-4 | 02/05/96 | 8.12 | 6.41 | — | 1.71 | ND<50 | | — | ND<5 | ND<10 | ND<10 | ND<10 | 200 | | — | — | 4.4 | SPL |
| MW-4 | 04/24/96 | 8.12 | 6.18 | — | 1.94 | ND<250 | | — | ND<2.5 | ND<5 | ND<5 | ND<5 | 510 | | — | — | 8.3 | SPL |
| MW-4 | 07/15/96 | 8.12 | 6.63 | — | 1.49 | ND<50 | | — | 5.7 | ND<1 | ND<1 | ND<1 | 550 | | — | — | 7.4 | SPL |
| MW-4 | 07/30/96 | 8.12 | 6.34 | — | 1.78 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 11/04/96 | 8.12 | 8.27 | — | -0.15 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 11/05/96 | 8.12 | — | — | — | 460 | | — | ND<2.5 | 11 | ND<5.0 | ND<5.0 | 620/610 | (f) | — | — | 7.3 | SPL |
| MW-4 | 05/17/97 | 8.12 | 7.00 | — | 1.12 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 08/11/97 | 8.12 | 6.81 | — | 1.31 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 11/17/97 | 8.12 | 9.19 | — | -1.07 | 840 | | — | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | 880 | | — | — | 7.3 | SPL |
| MW-4 | 01/29/98 | 8.12 | 7.94 | — | 0.18 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 06/22/98 | 8.12 | 7.49 | — | 0.63 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 12/30/98 | 8.12 | 8.21 | — | -0.09 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 03/09/99 | 8.12 | 7.70 | — | 0.42 | 1200 | | — | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | 2000 | | — | — | — | SPL |
| MW-4 | 06/23/99 | 8.12 | 8.81 | — | -0.69 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 09/23/99 | 8.12 | 8.32 | — | -0.20 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 12/28/99 | 8.12 | 8.21 | — | -0.09 | — | | — | — | — | — | — | — | | — | — | — | — |
| MW-4 | 03/22/00 | 8.12 | 6.74 | — | 1.38 | 910 | (i) | — | ND<0.5 | ND<0.5 | 0.54 | 1.7 | 3800 | | — | — | — | 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) | | TOG (ug/l) | HVOC (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-5 | 10/12/93 | 7.69 | 6.01 | — | 1.68 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-5 | 10/13/93 | 7.69 | — | — | — | 2300 | — | 160 | 10 | ND<0.5 | 26 | — | | — | — | — | PACE |
| MW-5 | 02/15/94 | 7.69 | 5.74 | — | 1.95 | 5100 | — | 710 | 16 | 33 | 35 | 100 | (d) | — | — | 4.0 | PACE |
| MW-5 | 05/11/94 | 7.69 | 5.28 | — | 2.41 | 11000 | — | 1100 | 39 | 110 | 57 | 160 | (d) | — | — | 8.0 | PACE |
| MW-5 | 08/01/94 | 7.69 | 5.84 | — | 1.85 | 9000 | — | 730 | 35 | 61 | 41 | 200 | (d) | — | — | 2.6 | PACE |
| MW-5 | 10/18/94 | 7.69 | 6.01 | — | 1.68 | 7800 | — | 330 | 30 | 27 | 27 | — | | — | — | 5.6 | PACE |
| MW-5 | 01/13/95 | 7.69 | 4.74 | — | 2.95 | ND<500 | — | 290 | 6 | ND<5 | 18 | — | | — | — | 6.8 | ATI |
| MW-5 | 04/13/95 | 7.69 | 5.50 | — | 2.19 | 9100 | — | 400 | 15 | 52 | 27 | — | | — | — | 7.4 | ATI |
| MW-5 | 07/11/95 | 7.69 | 5.75 | — | 1.94 | 7300 | — | 390 | 13 | 28 | 23 | — | | — | — | 7.2 | ATI |
| MW-5 | 11/03/95 | 7.69 | 6.65 | — | 1.04 | 7200 | — | 270 | 15 | 38 | 23 | 200 | | — | — | 8.4 | ATI |
| MW-5 | 02/05/96 | 7.69 | 4.83 | — | 2.86 | 4600 | — | 370 | 15 | 53 | 28 | ND<50 | | — | — | 1.9 | SPL |
| MW-5 | 04/24/96 | 7.69 | 6.09 | — | 1.60 | 3000 | — | 180 | ND<10 | 32 | 14 | ND<100 | | — | — | 8.1 | SPL |
| MW-5 | 07/15/96 | 7.69 | 6.57 | — | 1.12 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-5 | 07/16/96 | 7.69 | — | — | — | ND<50 | — | 190 | ND<10 | 31 | 16 | ND<100 | | — | — | 8.3 | SPL |
| MW-5 | 07/30/96 | 7.69 | 5.61 | — | 2.08 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-5 | 08/12/96 | 7.69 | — | — | — | 2000 | — | 150 | 12 | 25 | 18.2 | ND<50 | | — | — | 7.6 | SPL |
| MW-5 | 11/04/96 | 7.69 | 8.25 | — | -0.56 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-5 | 11/05/96 | 7.69 | — | — | — | 5200 | — | 42 | 5.5 | 13 | ND<5.0 | 1700 | | — | — | 7.4 | SPL |
| MW-5 | 05/17/97 | 7.69 | 6.95 | — | 0.74 | 80 | — | 0.56 | ND<1.0 | ND<1.0 | ND<1.0 | 46 | | — | — | 6.7 | SPL |
| MW-5 | 08/11/97 | 7.69 | 6.72 | — | 0.97 | 2700 | — | 20 | 12 | 6.7 | 9.7 | 1900 | | — | — | 8.5 | SPL |
| MW-5 | 11/17/97 | 7.69 | 9.49 | — | -1.80 | 8400 | — | 25 | 12 | 8.7 | 5.4 | 13000 | | — | — | 7.9 | SPL |
| MW-5 | 01/29/98 | 7.69 | 7.88 | — | -0.19 | 110000 | — | 2500 | 110 | 180 | 589 | 180000 | | — | — | 6.8 | SPL |
| MW-5 | 06/22/98 | 7.69 | 7.40 | — | 0.29 | 4400 | — | 47 | 10 | 29 | 20.5 | 47 | | — | — | 6.6 | SPL |
| MW-5 | 12/30/98 | 7.69 | 6.13 | — | 1.56 | 6000 | — | 18 | 9.1 | 22 | 16 | 63/44 | (f) | — | — | — | SPL |
| MW-5 | 03/09/99 | 7.69 | 4.79 | — | 2.90 | 4600 | — | 8.8 | 5.5 | 12 | 11 | 24 | | — | — | — | SPL |
| MW-5 | 06/23/99 | 7.69 | 5.95 | — | 1.74 | 3400 | — | 1500 | 8.9 | 54 | 87 | 7500 | | — | — | — | SPL |
| MW-5 | 09/23/99 | 7.69 | 5.43 | — | 2.26 | 2600 | — | 510 | 14 | 140 | 650 | 580 | | — | — | — | SPL |
| MW-5 | 12/28/99 | 7.69 | 5.30 | — | 2.39 | 3500 | — | 900 | 18 | 57 | 140 | 4800 | | — | — | — | PACE |
| MW-5 (h) | 03/22/00 | 7.69 | — | — | — | — | — | — | — | — | — | — | | — | — | — | — |

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) | | TOG (ug/l) | HVOC (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-6 | 10/12/93 | 8.52 | 6.59 | — | 1.93 | 63 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | | — | — | — | PACE |
| MW-6 | 02/15/94 | 8.52 | 6.31 | — | 2.21 | 68 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 38 | (d) | — | — | 3.1 | PACE |
| MW-6 | 05/11/94 | 8.52 | 6.15 | — | 2.37 | 68 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 48 | (d) | — | — | 8.7 | PACE |
| MW-6 | 08/01/94 | 8.52 | 6.46 | — | 2.06 | 91 | — | ND<0.5 | ND<0.5 | ND<0.5 | 0.6 | — | | — | — | 2.4 | PACE |
| MW-6 | 10/18/94 | 8.52 | 6.72 | — | 1.80 | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | | — | — | 6.0 | PACE |
| MW-6 | 01/13/95 | 8.52 | 5.95 | — | 2.57 | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | — | | — | — | 7.0 | ATI |
| MW-6 | 04/13/95 | 8.52 | 5.44 | — | 3.08 | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | — | | — | — | 8.5 | ATI |
| MW-6 | 07/11/95 | 8.52 | 5.68 | — | 2.84 | ND<50 | — | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | — | | — | — | 8.4 | ATI |
| MW-6 | 11/02/95 | 8.52 | 6.57 | — | 1.95 | ND<50 | — | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | 35 | | — | — | 8.3 | ATI |
| MW-6 | 02/05/96 | 8.52 | 6.27 | — | 2.25 | ND<50 | — | ND<5 | ND<10 | ND<10 | ND<10 | ND<100 | | — | — | 2.2 | SPL |
| MW-6 | 04/24/96 | 8.52 | 5.95 | — | 2.57 | ND<250 | — | ND<2.5 | ND<5 | ND<5 | ND<5 | 62 | | — | — | 8.0 | SPL |
| MW-6 | 07/15/96 | 8.52 | 6.39 | — | 2.13 | ND<250 | — | ND<2.5 | ND<5 | ND<5 | ND<5 | ND<50 | | — | — | 8.0 | SPL |
| MW-6 | 07/30/96 | 8.52 | 6.44 | — | 2.08 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 11/04/96 | 8.52 | 8.05 | — | 0.47 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 11/05/96 | 8.52 | — | — | — | ND<50 | — | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | ND<10 | | — | — | 7.3 | SPL |
| MW-6 | 05/17/97 | 8.52 | 6.75 | — | 1.77 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 08/11/97 | 8.52 | 6.48 | — | 2.04 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 11/17/97 | 8.52 | 9.27 | — | -0.75 | ND<50 | — | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | ND<10 | | — | — | 7.7 | SPL |
| MW-6 | 01/29/98 | 8.52 | 7.98 | — | 0.54 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 06/22/98 | 8.52 | 7.68 | — | 0.84 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 12/30/98 | 8.52 | 6.98 | — | 1.54 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 03/09/99 | 8.52 | 5.90 | — | 2.62 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 06/23/99 | 8.52 | 6.93 | — | 1.59 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 09/23/99 | 8.52 | 6.45 | — | 2.07 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 12/28/99 | 8.52 | 6.33 | — | 2.19 | — | — | — | — | — | — | — | | — | — | — | — |
| MW-6 | 03/22/00 | 8.52 | 5.15 | — | 3.37 | — | — | — | — | — | — | — | | — | — | — | — |

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) | TOG (ug/l) | HVOC (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-7 | 10/12/93 | 7.61 | 6.14 | — | 1.47 | ND<50 | — | ND<0 5 | ND<0.5 | ND<0.5 | 0.7 | — | — | — | — | PACE |
| MW-7 | 02/15/94 | 7.61 | 5.88 | — | 1.73 | 78 | — | ND<0.5 | ND<0.5 | ND<0.5 | 0.6 | — | — | — | 4 0 | PACE |
| MW-7 | 05/11/94 | 7.61 | 5 76 | — | 1.85 | 70 | — | ND<0.5 | ND<0.5 | ND<0.5 | 0.9 | — | — | — | 9.1 | PACE |
| MW-7 | 08/01/94 | 7.61 | 5.97 | — | 1.64 | 77 | — | ND<0.5 | ND<0.5 | ND<0.5 | 0.5 | — | — | — | 2.5 | PACE |
| MW-7 | 10/18/94 | 7.61 | 6.24 | — | 1.37 | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | 6.3 | PACE |
| MW-7 | 01/13/95 | 7.61 | 5.39 | — | 2.22 | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | — | — | — | 8.2 | ATI |
| MW-7 | 04/13/95 | 7.61 | 5.17 | — | 2.44 | 63 | — | ND<0.5 | ND<0.5 | ND<0.5 | 1.4 | — | — | — | 8.4 | ATI |
| MW-7 | 07/11/95 | 7.61 | 5.25 | — | 2.36 | ND<50 | — | ND<0.50 | ND<0.50 | ND<0.50 | ND<1 0 | — | — | — | 7.9 | ATI |
| MW-7 | 11/02/95 | 7.61 | 6.19 | — | 1.42 | ND<50 | — | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | 55 | — | — | 8.0 | ATI |
| MW-7 | 02/05/96 | 7.61 | 5.69 | — | 1.92 | ND<50 | — | ND<0.5 | ND<1 | ND<1 | ND<1 | 40 | — | — | 1.9 | SPL |
| MW-7 | 04/24/96 | 7.61 | 5.59 | — | 2.02 | ND<250 | — | ND<2.5 | ND<5 | ND<5 | ND<5 | 53 | — | — | 8.2 | SPL |
| MW-7 | 07/15/96 | 7.61 | 6 07 | — | 1.54 | ND<250 | — | ND<2.5 | ND<5 | ND<5 | ND<5 | ND<50 | — | — | 7.8 | SPL |
| MW-7 | 07/30/96 | 7.61 | 6.04 | — | 1.57 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 11/04/96 | 7.61 | 7.76 | — | -0.15 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 11/05/96 | 7.61 | — | — | — | ND<50 | — | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | ND<10 | — | — | 7.8 | SPL |
| MW-7 | 05/17/97 | 7.61 | 6.42 | — | 1.19 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 08/11/97 | 7.61 | 6.06 | — | 1.55 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 11/17/97 | 7.61 | 9.07 | — | -1.46 | ND<50 | — | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | ND<10 | — | — | 7 1 | SPL |
| MW-7 | 01/29/98 | 7.61 | 7 44 | — | 0.17 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 06/22/98 | 7.61 | 7.39 | — | 0.22 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 12/30/98 | 7.61 | 5.51 | — | 2.10 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 03/09/99 | 7.61 | 5.57 | — | 2.04 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 06/23/99 | 7.61 | 6.69 | — | 0.92 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 09/23/99 | 7.61 | 6.23 | — | 1.38 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 12/28/99 | 7.61 | 6.08 | — | 1.53 | — | — | — | — | — | — | — | — | — | — | — |
| MW-7 | 03/22/00 | 7.61 | 4.88 | — | 2.73 | — | — | — | — | — | — | — | — | — | — | — |

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) | TOG (ug/l) | HVOC (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-8 | 10/12/93 | 8.60 | 5.86 | — | 2.74 | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | — | PACE |
| MW-8 | 02/15/94 | 8.60 | 5.50 | — | 3.10 | 380 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | 3.3 | PACE |
| MW-8 | 05/11/94 | 8.60 | 5.09 | — | 3.51 | 330 | — | ND<0.5 | 1.2 | ND<0.5 | 1.9 | — | — | — | 8.5 | PACE |
| MW-8 | 08/01/94 | 8.60 | 5.20 | — | 3.40 | 260 | — | ND<0.5 | 1.2 | 2.9 | 5.8 | — | — | — | 2.3 | PACE |
| MW-8 | 10/18/94 | 8.60 | 5.70 | — | 2.90 | 82 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | 6.4 | PACE |
| MW-8 | 01/13/95 | 8.60 | 4.96 | — | 3.64 | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | — | — | — | 6.9 | ATI |
| MW-8 | 04/13/95 | 8.60 | 5.40 | — | 3.20 | 270 | — | ND<0.5 | ND<0.5 | ND<0.5 | 4.4 | — | — | — | 8.4 | ATI |
| MW-8 | 07/11/95 | 8.60 | 6.01 | — | 2.59 | 320 | — | ND<0.50 | ND<0.50 | ND<0.50 | 3.5 | — | — | — | 8.0 | ATI |
| MW-8 | 11/02/95 | 8.60 | 6.81 | — | 1.79 | 100 | — | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<5.0 | — | — | 8.7 | ATI |
| MW-8 | 02/05/96 | 8.60 | 6.12 | — | 2.48 | ND<50 | — | ND<5 | ND<10 | ND<10 | ND<10 | ND<100 | — | — | 1.5 | SPL |
| MW-8 | 04/24/96 | 8.60 | 6.23 | — | 2.37 | ND<50 | — | ND<5 | ND<10 | ND<10 | ND<10 | ND<100 | — | — | 8.7 | SPL |
| MW-8 | 07/15/96 | 8.60 | 6.70 | — | 1.90 | ND<250 | — | ND<2.5 | ND<5 | ND<5 | ND<5 | ND<50 | — | — | 8.4 | SPL |
| MW-8 | 07/30/96 | 8.60 | 6.64 | — | 1.96 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 11/04/96 | 8.60 | 8.36 | — | 0.24 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 11/05/96 | 8.60 | — | — | — | ND<50 | — | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | ND<10 | — | — | 7.2 | SPL |
| MW-8 | 05/17/97 | 8.60 | 7.03 | — | 1.57 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 08/11/97 | 8.60 | 6.05 | — | 2.55 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 11/17/97 | 8.60 | 9.14 | — | -0.54 | ND<50 | — | ND<0.5 | ND<1.0 | ND<1.0 | ND<1.0 | ND<10 | — | — | 7.7 | SPL |
| MW-8 | 01/29/98 | 8.60 | 7.90 | — | 0.70 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 06/22/98 | 8.60 | 7.72 | — | 0.88 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 (h) | 12/30/98 | 8.60 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 (h) | 03/09/99 | 8.60 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 06/23/99 | 8.60 | 4.70 | — | 3.90 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 09/23/99 | 8.60 | 4.22 | — | 4.38 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 12/28/99 | 8.60 | 4.12 | — | 4.48 | — | — | — | — | — | — | — | — | — | — | — |
| MW-8 | 03/22/00 | 8.60 | 4.71 | — | 3.89 | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-9 | 10/12/93 | 8.08 | 5.66 | 0.08 | 2.48 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 02/15/94 | 8.08 | 5.32 | 0.05 | 2.80 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 05/11/94 | 8.08 | 5.57 | — | 2.51 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 08/01/94 | 8.08 | 6.25 | — | 1.83 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 10/18/94 | 8.08 | 5.59 | 0.13 | 2.59 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 01/13/95 | 8.08 | 4.42 | 0.14 | 3.77 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 04/13/95 | 8.08 | 4.06 | 0 11 | 4.10 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 07/11/95 | 8.08 | 4.21 | 0.08 | 3.93 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 11/02/95 | 8.08 | 5.22 | 0.05 | 2.90 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 02/05/96 | 8.08 | 4.76 | 0.01 | 3.33 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 04/24/96 | 8.08 | 4.62 | 0.09 | 3.53 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 07/15/96 | 8.08 | 5.11 | 0.04 | 3.00 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 07/30/96 | 8.08 | 5.15 | — | 2.93 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 11/04/96 | 8.08 | 6 75 | 0.01 | 1.34 | — | — | — | — | — | — | — | — | — | — | — |
| MW-9 | 05/17/97 | 8.08 | 5.42 | — | 2.66 | 97000 | — | 16000 | 7700 | 2300 | 18400 | 40000 | — | — | 7.0 | SPL |
| QC-1 (e) | 05/17/97 | — | — | — | — | 97000 | — | 16000 | 8200 | 2300 | 17300 | 39000 | — | — | — | SPL |
| MW-9 | 08/11/97 | 8.08 | 5.37 | — | 2.71 | 71000 | — | 12000 | 340 | 2100 | 4300 | 26000 | — | — | 9.1 | SPL |
| QC-1 (e) | 08/11/97 | — | — | — | — | 100000 | — | 14000 | 360 | 3200 | 5790 | 27000 | — | — | — | SPL |
| MW-9 | 11/17/97 | 8.08 | 5.62 | Sheen | 2.46 | 100000 | — | 22000 | 4800 | 3100 | 17900 | 32000 | — | — | 8.3 | SPL |
| QC-1 (e) | 11/17/97 | — | — | — | — | 100000 | — | 24000 | 5300 | 3500 | 19300 | 35000 | — | — | — | SPL |
| MW-9 | 01/29/98 | 8.08 | 4.07 | Sheen | 4.01 | 250000 | — | 20000 | 21000 | 3100 | 18500 | 110000 | — | — | 6.6 | SPL |
| QC-1 (e) | 01/29/98 | — | — | — | — | 250000 | — | 20000 | 20000 | 3100 | 18400 | 110000 | — | — | — | SPL |
| MW-9 | 06/22/98 | 8.08 | 4.28 | — | 3.80 | 280000 | — | 21000 | 18000 | 3800 | 21200 | 110000 | — | — | 5.8 | SPL |
| QC-1 (e) | 06/22/98 | — | — | — | — | 290000 | — | 20000 | 17000 | 3800 | 21200 | 110000 | — | — | — | SPL |
| MW-9 | 12/30/98 | 8.08 | 4.95 | — | 3.13 | 150000 | — | 10000 | 3800 | 2000 | 9600 | 86000/89000 (f) | — | — | — | SPL |
| MW-9 | 03/09/99 | 8.08 | 3.95 | — | 4.13 | 82000 | — | 6800 | 570 | 1400 | 4700 | 100000 | — | — | — | SPL |
| MW-9 | 06/23/99 | 8.08 | 5.12 | — | 2.96 | 41000 | — | 11000 | 820 | 2300 | 5200 | 92000 | — | — | — | SPL |
| MW-9 | 09/23/99 | 8.08 | 4.74 | — | 3.34 | 57000 | — | 12000 | 5400 | 1900 | 9500 | 89000 | — | — | — | SPL |
| MW-9 | 12/28/99 | 8.08 | 4.58 | — | 3.50 | 46000 | — | 15000 | 490 | 2500 | 3500 | 100000 | — | — | — | PACE |
| MW-9 | 03/22/00 | 8.08 | 3.90 | — | 4.18 | 86000 | — | 18000 | 1800 | 2300 | 6800 | 120000 | — | — | — | 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) | TOG (ug/l) | HVOC (ug/l) | DO (ppm) | LAB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QC-2 (g) | 11/05/92 | — | — | — | — | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | — | PACE |
| QC-2 (g) | 10/12/93 | — | — | — | — | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | — | PACE |
| QC-2 (g) | 02/15/94 | — | — | — | — | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | — | PACE |
| QC-2 (g) | 05/11/94 | — | — | — | — | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | — | PACE |
| QC-2 (g) | 08/01/94 | — | — | — | — | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | — | PACE |
| QC-2 (g) | 10/18/94 | — | — | — | — | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | — | — | — | — | PACE |
| QC-2 (g) | 01/13/95 | — | — | — | — | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | — | — | — | — | ATI |
| QC-2 (g) | 04/13/95 | — | — | — | — | ND<50 | — | ND<0.5 | ND<0.5 | ND<0.5 | ND<1 | — | — | — | — | ATI |
| QC-2 (g) | 07/11/95 | — | — | — | — | ND<50 | — | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | — | — | — | — | ATI |
| QC-2 (g) | 11/02/95 | — | — | — | — | ND<50 | — | ND<0.50 | ND<0.50 | ND<0.50 | ND<1.0 | ND<5.0 | — | — | — | ATI |
| QC-2 (g) | 02/05/96 | — | — | — | — | ND<50 | — | ND<0.5 | ND<1 | ND<1 | ND<1 | ND<10 | — | — | — | SPL |
| QC-2 (g) | 04/24/96 | — | — | — | — | ND<50 | — | ND<0.5 | ND<1 | ND<1 | ND<1 | ND<10 | — | — | — | SPL |
| QC-2 (g) | 07/16/96 | — | — | — | — | ND<50 | — | ND<0.5 | ND<1 | ND<1 | ND<1 | ND<10 | — | — | — | SPL |

# Analytical Appendix

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786

April 05, 2000

Mr. MORGAN HARGRAVE
BLAINE TECH SERVICES, INC.
1680 ROGERS AVE.
SAN JOSE, CA 95112

RE: Pace Project Number: 6039596
Client Project ID: BP 11126

Dear Mr. HARGRAVE:

Enclosed are the results of analyses for sample(s)received by the laboratory on March 27, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lily Bayati

Lily Bayati
Project Manager

Enclosures

**REPORT OF LABORATORY ANALYSIS**

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786

DATE: 04/05/00
PAGE: 1

BLAINE TECH SERVICES, INC.
1680 ROGERS AVE.
SAN JOSE, CA 95112

Pace Project Number: 6039596
Client Project ID: BP 11126

Attn: Mr. MORGAN HARGRAVE
Phone: (408)573-0555 x218

Solid results are reported on a wet weight basis

Pace Sample No: 603343781 Date Collected: 03/22/00 Matrix: Water
Client Sample ID: A Date Received: 03/27/00

| Parameters | Results | Units | PRL | Analyzed | Analyst | CAS# | Footnotes |
|---|---|---|---|---|---|---|---|
| Long Beach Laboratory | | | | | | | |
| Total Recoverable Oil & Grease | Method: SM 5520B | | | | Prep Method: SM 5520B | | |
| Oil and Grease | 13 | mg/l | 10 | 03/29/00 | RV | | |
| TPH, Water, Ext. by Mod. 8015 | Method: EPA 8015 Mod Ext | | | | Prep Method: EPA 3550 | | |
| Diesel Fuel | ND | mg/l | 0.058 | 03/28/00 | RV | 11-84-7... | |
| Date Extracted | | | | 03/28/00 | | | |
| GAS BTEX by 8015, Water | Method: EPA 8015/8020 Modif | | | | Prep Method: EPA 8015/8020 Modif | | |
| Gasoline | 690 | ug/l | 50 | 03/29/00 | VN | | 1 |
| Benzene | 4.2 | ug/l | 0.5 | 03/29/00 | VN | 71-43-2 | |
| Toluene | 3.1 | ug/l | 0.5 | 03/29/00 | VN | 108-88-3 | |
| Ethylbenzene | 0.81 | ug/l | 0.5 | 03/29/00 | VN | 100-41-4 | |
| Methyl-tert-butyl Ether | 2900 | ug/l | 75 | 03/29/00 | VN | 1634-04-4 | |
| Xylene (Total) | 2.7 | ug/l | 0.5 | 03/29/00 | VN | 1330-20-7 | |
| a,a,a-Trifluorotoluene (S) | 133 | % | | 03/29/00 | VN | 2164-17-2 | 2 |

# REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786



Pace Project Number: 6039596
Client Project ID: BP 11126

Pace Sample No: 603343799 Date Collected: 03/22/00 Matrix: Water
Client Sample ID: B Date Received: 03/27/00

| Parameters | Results | Units | PRL | Analyzed | Analyst | CAS# | Footnotes |
|---|---|---|---|---|---|---|---|
| Long Beach Laboratory | | | | | | | |
| GAS BTEX by 8015, Water | Method: EPA 8015/8020 Modif | | | | Prep Method: EPA 8015/8020 Modif | | |
| Gasoline | 910 | ug/l | 50 | 03/29/00 | VN | | 1 |
| Benzene | ND | ug/l | 0.5 | 03/29/00 | VN | 71-43-2 | |
| Toluene | ND | ug/l | 0.5 | 03/29/00 | VN | 108-88-3 | |
| Ethylbenzene | 0.54 | ug/l | 0.5 | 03/29/00 | VN | 100-41-4 | |
| Methyl-tert-butyl Ether | 3800 | ug/l | 75 | 03/29/00 | VN | 1634-04-4 | |
| Xylene (Total) | 1.7 | ug/l | 0.5 | 03/29/00 | VN | 1330-20-7 | |
| a,a,a-Trifluorotoluene (S) | 95 | % | | 03/29/00 | VN | 2164-17-2 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562 498.9515
Fax: 562.597.0786



Pace Project Number: 6039596
Client Project ID: BP 11126

Pace Sample No: 603343807 Date Collected: 03/22/00 Matrix: Water
Client Sample ID: C Date Received: 03/27/00

| Parameters | Results | Units | PRL | Analyzed | Analyst | CAS# | Footnotes |
|---|---|---|---|---|---|---|---|
| Long Beach Laboratory | | | | | | | |
| GAS BTEX by 8015, Water | Method: EPA 8015/8020 Modif | | | | Prep Method: EPA 8015/8020 Modif | | |
| Gasoline | 2500 | ug/l | 50 | 03/29/00 | VN | | 1 |
| Benzene | 780 | ug/l | 75 | 03/29/00 | VN | 71-43-2 | |
| Toluene | 17 | ug/l | 0.5 | 03/29/00 | VN | 108-88-3 | |
| Ethylbenzene | 44 | ug/l | 0.5 | 03/29/00 | VN | 100-41-4 | |
| Methyl-tert-butyl Ether | 2800 | ug/l | 75 | 03/29/00 | VN | 1634-04-4 | |
| Xylene (Total) | 270 | ug/l | 0.5 | 03/29/00 | VN | 1330-20-7 | |
| a,a,a-Trifluorotoluene (S) | 90 | % | | 03/29/00 | VN | 2164-17-2 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786



Pace Project Number: 6039596
Client Project ID: BP 11126

Pace Sample No: 603343815 Date Collected: 03/22/00 Matrix: Water
Client Sample ID: D Date Received: 03/27/00

| Parameters | Results | Units | PRL | Analyzed | Analyst | CAS# | Footnotes |
|---|---|---|---|---|---|---|---|
| Long Beach Laboratory | | | | | | | |
| GAS BTEX by 8015, Water | Method: EPA 8015/8020 Modif | | | | Prep Method: EPA 8015/8020 Modif | | |
| Gasoline | 6400 | ug/l | 750 | 03/29/00 | VN | | |
| Benzene | 1100 | ug/l | 75 | 03/29/00 | VN | 71-43-2 | |
| Toluene | 45 | ug/l | 7.5 | 03/29/00 | VN | 108-88-3 | |
| Ethylbenzene | 190 | ug/l | 75 | 03/29/00 | VN | 100-41-4 | |
| Methyl-tert-butyl Ether | 4900 | ug/l | 75 | 03/29/00 | VN | 1634-04-4 | |
| Xylene (Total) | 330 | ug/l | 7.5 | 03/29/00 | VN | 1330-20-7 | |
| a,a,a-Trifluorotoluene (S) | 97 | % | | 03/29/00 | VN | 2164-17-2 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786



Pace Project Number: 6039596
Client Project ID: BP 11126

Pace Sample No: 603343823 Date Collected: 03/22/00 Matrix: Water
Client Sample ID: E Date Received: 03/27/00

| Parameters | Results | Units | PRL | Analyzed | Analyst | CAS# | Footnotes |
|---|---|---|---|---|---|---|---|
| Long Beach Laboratory | | | | | | | |
| GAS BTEX by 8015, Water | Method: EPA 8015/8020 Modif | | | | Prep Method: EPA 8015/8020 Modif | | |
| Gasoline | 86000 | ug/l | 7500 | 03/29/00 | VN | | |
| Benzene | 18000 | ug/l | 750 | 03/29/00 | VN | 71-43-2 | |
| Toluene | 1800 | ug/l | 750 | 03/29/00 | VN | 108-88-3 | |
| Ethylbenzene | 2300 | ug/l | 750 | 03/29/00 | VN | 100-41-4 | |
| Methyl-tert-butyl Ether | 120000 | ug/l | 750 | 03/29/00 | VN | 1634-04-4 | |
| Xylene (Total) | 6800 | ug/l | 750 | 03/29/00 | VN | 1330-20-7 | |
| a,a,a-Trifluorotoluene (S) | 118 | % | | 03/29/00 | VN | 2164-17-2 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax 562.597.0786



Pace Project Number: 6039596
Client Project ID: BP 11126

PARAMETER FOOTNOTES

| | |
|---|---|
| ND | Not Detected |
| NC | Not Calculable |
| PRL | Pace Reporting Limit |
| (S) | Surrogate |
| [1] | Concentration of MTBE in the calculation of TPH-G is an estimate only. |
| [2] | Matrix Effect |

**REPORT OF LABORATORY ANALYSIS**

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562 597.0786

QUALITY CONTROL DATA



BLAINE TECH SERVICES, INC.
1680 ROGERS AVE.
SAN JOSE, CA 95112

Pace Project Number: 6039596
Client Project ID: BP 11126

Attn: Mr. MORGAN HARGRAVE
Phone: (408)573-0555 x218

QC Batch ID: 80372
QC Batch Method: EPA 3550
Analysis Method: EPA 8015 Mod Ext
Analysis Description: TPH, Water, Ext. by Mod. 8015
Associated Pace Samples: 603343781

METHOD BLANK: 603346396
Associated Pace Samples:
603343781

| Parameter | Units | Method Blank Result | PRL | Footnotes |
|---|---|---|---|---|
| Diesel Fuel | mg/l | ND | 0.058 | |

LABORATORY CONTROL SAMPLE & LCSD: 603346404 603346412

| Parameter | Units | Spike Conc. | LCS Result | Spike % Rec | LCSD Result | Spike Dup % Rec | RPD | Footnotes |
|---|---|---|---|---|---|---|---|---|
| Diesel Fuel | mg/l | 2.500 | 2.065 | 82.6 | 2.205 | 88.2 | 7 | |

# REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562 498.9515
Fax: 562.597.0786

QUALITY CONTROL DATA



BLAINE TECH SERVICES, INC.
1680 ROGERS AVE.
SAN JOSE, CA 95112

Pace Project Number: 6039596
Client Project ID: BP 11126

Attn: Mr. MORGAN HARGRAVE
Phone: (408)573-0555 x218

QC Batch ID: 80380
Analysis Method: SM 5520B
Associated Pace Samples: 603343781

QC Batch Method: SM 5520B
Analysis Description: Total Recoverable Oil & Grease

---

METHOD BLANK: 603346610
Associated Pace Samples:
603343781

| Parameter | Units | Method Blank Result | PRL | Footnotes |
|---|---|---|---|---|
| Oil and Grease | mg/l | ND | 10 | |

---

LABORATORY CONTROL SAMPLE & LCSD: 603346628 603346636

| Parameter | Units | Spike Conc. | LCS Result | Spike % Rec | LCSD Result | Spike Dup % Rec | RPD | Footnotes |
|---|---|---|---|---|---|---|---|---|
| Oil and Grease | mg/l | 100 | 86.00 | 86.0 | 86.00 | 86.0 | 0 | |

# REPORT OF LABORATORY ANALYSIS

Pace Analytical™

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786

QUALITY CONTROL DATA

DATE: 04/05/00


BLAINE TECH SERVICES, INC.
1680 ROGERS AVE.
SAN JOSE, CA 95112

Pace Project Number: 6039596
Client Project ID: BP 11126

Attn: Mr. MORGAN HARGRAVE
Phone: (408)573-0555 x218

QC Batch ID: 80382
QC Batch Method: EPA 8015/8020 Modif
Analysis Method: EPA 8015/8020 Modif
Analysis Description: GAS BTEX by 8015, Water
Associated Pace Samples: 603343781 603343799 603343807 603343815 603343823

---

METHOD BLANK: 603346909
Associated Pace Samples:
603343781 603343799 603343807 603343815 603343823

| Parameter | Units | Method Blank Result | PRL | Footnotes |
|---|---|---|---|---|
| Gasoline | ug/l | ND | 12 | |
| Benzene | ug/l | ND | 0.05 | |
| Toluene | ug/l | ND | 0.05 | |
| Ethylbenzene | ug/l | ND | 0.05 | |
| Methyl-tert-butyl Ether | ug/l | ND | 0.05 | |
| Xylene (Total) | ug/l | ND | 0.05 | |
| a,a,a-Trifluorotoluene (S) | % | 86 | | |

---

LABORATORY CONTROL SAMPLE & LCSD: 603346917 603346925

| Parameter | Units | Spike Conc. | LCS Result | Spike % Rec | LCSD Result | Spike Dup % Rec | RPD | Footnotes |
|---|---|---|---|---|---|---|---|---|
| Gasoline | ug/l | 40 | 38.60 | 96.5 | 38.10 | 95.3 | 1 | |
| Benzene | ug/l | 6.667 | 6.380 | 95.7 | 6.430 | 96.5 | 1 | |
| Toluene | ug/l | 6.667 | 6.780 | 102 | 6.800 | 102 | 0 | |
| Ethylbenzene | ug/l | 6.667 | 7.000 | 105 | 7.200 | 108 | 3 | |
| Methyl-tert-butyl Ether | ug/l | 6.667 | 6.850 | 103 | 6.280 | 94.2 | 9 | |
| a,a,a-Trifluorotoluene (S) | | | | 94 | | 97 | | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, Inc.**
3970 Gilman Street
Long Beach, CA 90815
Phone: 562.498.9515
Fax: 562.597.0786



Pace Project Number: 6039596
Client Project ID: BP 11126

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 |

**REPORT OF LABORATORY ANALYSIS**

**BP**

# CHAIN OF CUSTODY

16199A

60395596

Page 1 of 1

| CONSULTANT'S NAME | CONSULTANT'S ADDRESS | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | 1680 Rogers Ave., San Jose CA 95112 | | |
| BP SITE NUMBER: 11126 | BP SITE / FACILITY ADDRESS: 1700 Powell St., Emeryville | | CONSULTANT PROJECT NUMBER |
| CONSULTANT PROJECT MANAGER: Morgan Hargrave | PHONE NUMBER: (408) 573-0555 x 218 | FAX NUMBER: (408) 573-7771 | CONSULTANT CONTRACT NUMBER |
| BP CONTACT: Scott Hooton | BP ADDRESS: 295 SW 41st Street, Suite N, Renton WA | PHONE NUMBER: (425) 251-0689 | FAX NO.: (425) 251-0736 |
| LAB CONTACT: Pace - Lily Bayati | LABORATORY ADDRESS: 3970 Gilman Street, Long Beach, CA | PHONE NUMBER: (562) 498-9515 | FAX NO.: (562) 597-0786 |
| 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) | Oil & Grease | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 3/22/00 | 15:10 | W | 7 | 40mL VOA | | X | X | | | X | |
| B | | 16:42 | | 3 | | | X | | | | | |
| C | | 16:25 | | 3 | | | X | | | | | |
| D | | 17:00 | | 3 | | | X | | | | | |
| E | | 18:00 | | 3 | | | X | | | | | |

SAMPLED BY (Please Print Name): Garrett Haertel

SAMPLED BY (Signature):

ADDITIONAL COMMENTS

| RELINQUISHED BY / AFFILIATION (Print Name / Signature) | DATE | TIME | ACCEPTED BY / AFFILIATION (Print Name / Signature) | DATE | TIME |
|---|---|---|---|---|---|
| | 3/22/00 | 18:15 | Nancy Tonk | 3/23/00 | 10:30 |
| | | | | | |
| | | | | | |

# Field
# Data
# Sheets

# WELL GAUGING DATA

Project # 600322N-2 Date 3/22/00 Client BP

Site 700 Powell St, Emeryville

| | 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 | |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | MW-1 | 2 | D | | | | 5.51 | 11.30 | | |
| 3 | MW-2 | 2 | C | | | | 4.21 | 10.56 | | |
| 1 | MW-3 | 2 | A | | | | 4.77 | 11.90 | | |
| 2 | MW-4 | 2 | B | | | | 6.74 | 10.93 | | |
| 5 | MW-5 | 2 | | Inaccessible (Paved over) | | | [redacted] | | | [redacted] |
| | MW-6 | 2 | | | | | 5.15 | 13.42 | | 60 |
| | MW-7 | 2 | | | | | 4.88 | 13.95 | | 60 |
| | MW-8 | 2 | | | | | 4.71 | 13.76 | | 60 |
| 6 | MW-9 | 4 | E | | | | 3.90 | 13.77 | ↓ | |
| | | | | | | | | | | |
| | | | | | | | | | | |
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Possible EP

# BP WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 600322 N-2 | Station # 11124 |
| Sampler: Garrett | Date: 3/22/00 |
| Well I.D.: MW-1 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth: 11.30 | Depth to Water: 5.57 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) TOC Grade | D.O. Meter (if req'd): YSI HACH |

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

Purge Method: Bailer (Disposable Bailer) ~~Middleburg~~ Electric Submersible Extraction Pump Other: ___

Sampling Method: Bailer ~~Disposable Bailer~~ Extraction Port Other: ___

| 1.0 | X | 3 | = | 3.0 Gals |
|---|---|---|---|---|
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 16:52 | 64.9 | 6.9 | 2985 | 1.0 | |
| 16:55 | 66.1 | 6.9 | 3114 | 2.0 | |
| 16:59 | 66.3 | 6.9 | 3095 | 3.0 | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 3 | |
| Sampling Time: 17:00 | | Sampling Date: | |
| Sample I.D. (Blind): 10 | | 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 #: 600322 N-2 | Station # 11124 |
| Sampler: Garrett | Date: 3/22/00 |
| Well I.D.: MW-2 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth: 10.56 | Depth to Water: 4.21 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) TOC Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0 16 | 6" | 1 47 |
| 3" | 0.37 | Other | radius$^2$ * 0.163 |

Purge Method: Bailer (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: ____

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: ____

| 1.0 | X | 3 | = | 3.0 | Gals |
|---|---|---|---|---|---|
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 16:10 | 64.2 | 7.0 | [redacted] | 1.0 | Well casing |
| 16:15 | 63.9 | 7.0 | 864 | [redacted] 2.0 | packed w/mud |
| 16:20 | 63.9 | 7.0 | 799 | [redacted] 3.0 | very, very dirty water |
| | | | | | |
| | | | | | |

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

Sampling Time: 16:25 Sampling Date: 3/22/00

Sample I.D. (Blind): 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 #: 000322 N-2 | Station # 11124 |
| Sampler: Garrett | Date: 3/22/00 |
| Well I.D.: MW-3 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth: 11.90 | Depth to Water: 4.77 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) TOC Grade | D.O. Meter (if req'd): YSI HACH |

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

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

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

| 1.2 | X | 3 | = | 3.6 | Gals. |
|---|---|---|---|---|---|
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 14:55 | 68.3 | 7.0 | 3524 | 2 | Very turbid |
| 15:00 | 68.0 | 7.0 | 3660 | 4 | Dark grey |
| 15:03 | 68.0 | 7.1 | 3861 | 6 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No)

Gallons actually evacuated: 6

Sampling Time: 15:10

Sampling Date:

Sample I.D. (Blind): A

Laboratory: (Pace) Other ___

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

| | | | | |
|---|---|---|---|---|
| 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 #: 000322N-2 | Station # 11126 |
| Sampler: Garnett | Date: 3/22/00 |
| Well I.D.: ~~FB~~ MW-4 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth: 10.93 | Depth to Water: 6.74 |
| 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 |
|---|---|---|---|
| 2" | 0.16 | 5" | 1.02 |
| 3" | 0.37 | 6" | 1.47 |
| 4" | 0.65 | Other | radius$^2$ * 0.163 |

Purge Method: Bailer; (Disposable Bailer); Middleburg; Electric Submersible; Extraction Pump; Other: ___

Sampling Method: Bailer; (Disposable Bailer); (Extraction Port); Other: ___

| 1 Case Volume (Gals.) | X | Specified Volumes | = | Calculated Volume |
|---|---|---|---|---|
| .7 | X | 3 | = | 2.1 Gals. |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| | | | | | |
| | | | Well dewatered before | | |
| | | | | any parameters could be | |
| | | | | taken | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? (Yes) No | | Gallons actually evacuated: .75 | |
| Sampling Time: 16:42 | | Sampling Date: 3/22/00 | |
| Sample I.D. (Blind): B | | Laboratory: SPL | Other Pace |
| 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 #: 600322 N-2 | Station # 1124 |
| Sampler: Garrett | Date: 3/22/00 |
| Well I.D.: MW-5 | Well Diameter: 2 3 4 6 8 ___ |
| Total Well Depth: | Depth to Water: |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) TOC Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0 04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius$^2$ * 0 163 |

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

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

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

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| | | | Inaccessible | | |
| | | | | | |
| | | | Pads Over | | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes No | | Gallons actually evacuated: | |
| Sampling Time: | | Sampling Date: | |
| Sample I.D. (Blind): | | 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 #: 600322N-2 | Station # 11126 |
| Sampler: Garrett | Date: 3/22/00 |
| Well I.D.: MW-9 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 13.77 | Depth to Water: 3.90 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) TOC Grade | D.O. Meter (if req'd): YSI HACH |

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

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

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

| 24.4 | X | 3 | = | 19.2 Gals. |
|---|---|---|---|---|
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 17:49 | 66.3 | 7.1 | 2540 | 7 | |
| 17:56 | 68.2 | 7.1 | 2537 | 14 | |
| 17:52 | 66.3 | 7.1 | 2546 | 21 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 21

Sampling Time: 18:00 Sampling Date: 3/22/00

Sample I.D. (Blind): E 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 |