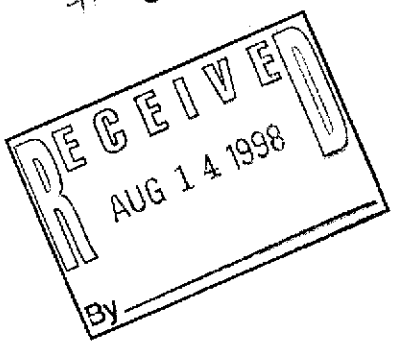
#103




Chevron

August 12, 1998

**Chevron Products Company**
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

**Philip R. Briggs**
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

**Re: Chevron Service Station #9-0076**
**4265 Foothill Blvd.**
**Oakland, California**

Dear Mr. Chan:

Enclosed is the Second Quarter Groundwater Monitoring Report for 1998 that was prepared by our consultant Blaine Tech Services Inc. for the above noted site. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents. In accordance with your letter of August 21, 1997 the sampling frequency of monitoring wells C-5, C-8 and C-9 has been changed to annually, with the sampling event occurring in the first quarter. The remaining wells will continue to be sampled quarterly.

The concentration of the benzene constituent decreased in monitoring wells C-1, C-4 and C-6, while increasing in well C-2. In wells C-3 and C-7, the concentrations were below method detection limits for all constituents.

Note that oxygen-releasing compounds (ORC's) have been installed in well C-1and replenished in wells C-2 and C-4, while continuing in well C-6, which is to increase the bioremediation activity around these wells.

Depth to ground water varied from 10.22 feet to 27.92 feet below grade with a direction of flow southwesterly.

The wells will continue to be sampled in accordance to the schedule as outlined above. If you have any questions, call me at (925) 842-9136.

Sincerely,
**CHEVRON PRODUCTS COMPANY**

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Bill Scudder, Chevron

Mr. Alex Perez
Shell Oil Company
PO Box 8080
Martinez, CA 94553

Mr. Scott Hooton
BP Oil Company
Environmental Remediation Management
295 SW 41st Street
Renton, WA 98055-4931

American Stores Properties, Inc.
299 South Main Street
Salt Lake City, UT 84111-2203
Attn. Barbara Russell

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 573-7771 FAX
(408) 573-0555 PHONE

August 3, 1998

Phil Briggs
Chevron U.S.A. Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

**2nd Quarter 1998 Monitoring at 9-0076**

Second Quarter 1998 Groundwater Monitoring at
Chevron Service Station Number 9-0076
4265 Foothill Blvd.
Oakland, CA

Monitoring Performed on June 23, 1998

Groundwater Sampling Report **980623-M-2**

This report covers the routine monitoring of groundwater wells at this Chevron 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, calculated volume of a three-case volume purge, 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 McKittrick Waste Treatment Site 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 table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix**.

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.

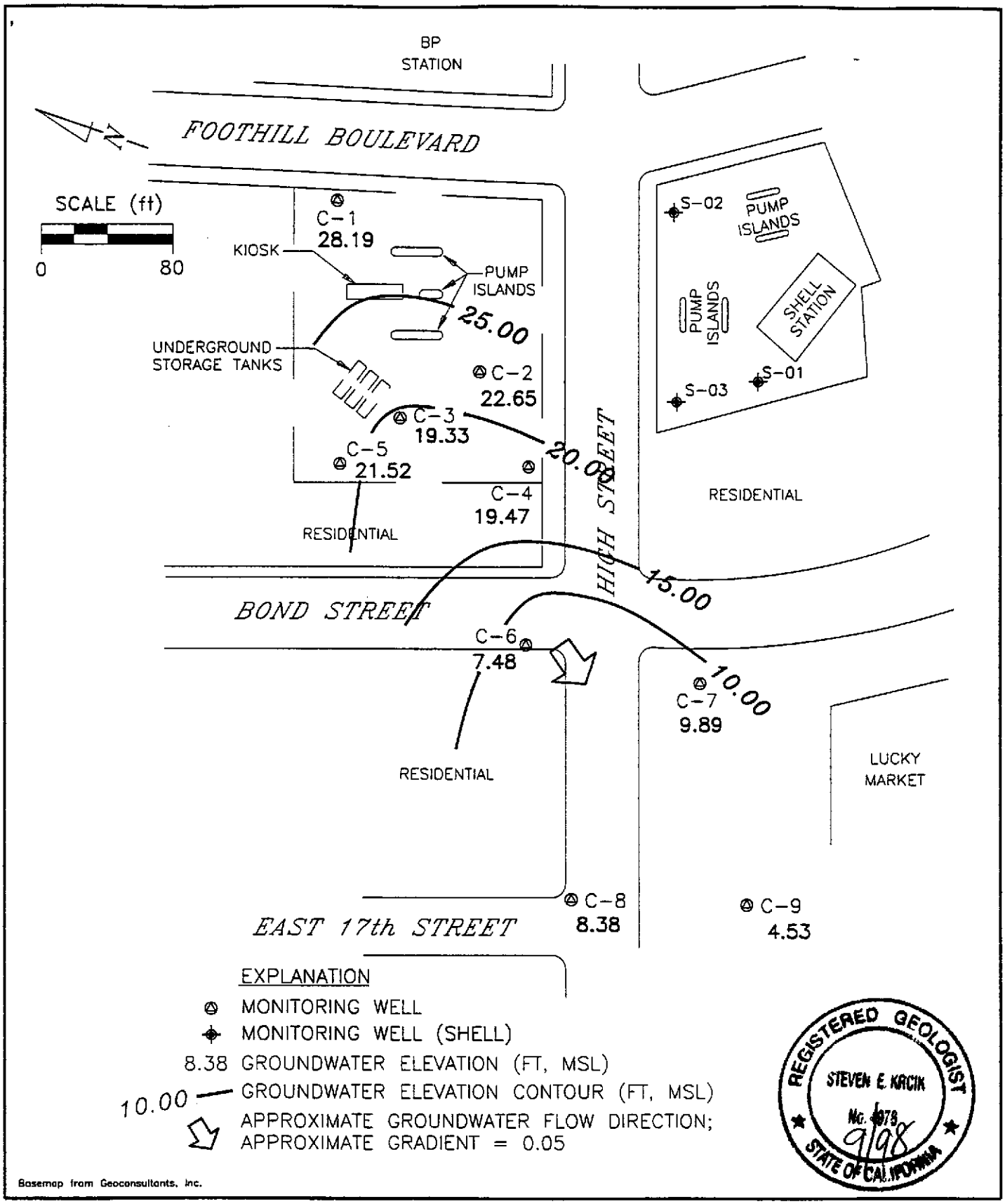
Yours truly,

Francis Thie
Vice President

FPT/dg

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

# Professional Engineering Appendix




Basemap from Geoconsultants, Inc.

| | | |
|---|---|---|
| PREPARED BY<br>RRM<br>engineering contracting firm | Chevron Station 9-0076<br>4265 Foothill Boulevard<br>Oakland, California<br>GROUNDWATER ELEVATION CONTOUR MAP,<br>JUNE 23, 1998 | FIGURE:<br>1<br>PROJECT:<br>DAC04 |

# Table of
# Well Data and
# Analytical Results

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-1** | | | | | | | | | | | | | |
| 04/28/89 | 35.42 | 15.37 | 20.05 | -- | -- | -- | -- | 940 | 30 | 1.3 | 11 | 13 | -- |
| 08/08/89 | 35.42 | 11.35 | 24.07 | -- | -- | -- | -- | 820 | 45 | 2.0 | 13 | 13 | -- |
| 12/21/89 | 35.42 | 12.61 | 22.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/27/90 | 35.42 | 13.30 | 22.12 | -- | -- | -- | -- | 440 | 15 | 1.0 | 6.0 | 13 | -- |
| 11/04/90 | 35.42 | 9.86 | 25.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/18/91 | 35.42 | 13.78 | 21.64 | -- | -- | -- | -- | 74 | 5.6 | 0.6 | 1.9 | 1.3 | -- |
| 09/19/91 | 35.42 | 10.84 | 24.58 | -- | -- | -- | -- | 150 | 7.1 | <0.5 | 2.3 | 3.0 | -- |
| 12/20/91 | 35.42 | 9.25 | 26.17 | -- | -- | -- | -- | 250 | 10 | <0.5 | 3.7 | 1.6 | -- |
| 03/18/92 | 35.42 | 17.17 | 18.25 | -- | -- | -- | -- | 190 | 16 | <0.5 | 8.5 | 2.9 | -- |
| 07/14/92 | 35.42 | 7.81 | 27.61 | -- | -- | -- | -- | 20,000 | 480 | 2200 | 510 | 2900 | -- |
| 10/08/92 | 35.42 | 10.98 | 24.44 | -- | -- | -- | -- | 360 | 34 | 4.6 | 19 | 12 | -- |
| 01/08/93 | 35.42 | 15.74 | 19.68 | -- | -- | -- | -- | 120 | 9.1 | 0.5 | 5.1 | 1.8 | -- |
| 04/14/93 | 35.42 | 19.04 | 16.38 | -- | -- | -- | -- | 190 | 74 | 0.6 | 1.0 | 2.0 | -- |
| 07/16/93 | 35.42 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/27/93 | 35.42 | 26.03 | 9.39 | -- | -- | -- | -- | 300 | 12 | <0.5 | 5.0 | 2.0 | -- |
| 09/21/93 | 38.41 | 16.99 | 21.42 | -- | -- | -- | -- | 360 | 12 | 1.2 | 5.8 | 3.7 | -- |
| 01/28/94 | 38.41 | 18.84 | 19.57 | -- | -- | -- | -- | 370 | 24 | 1.0 | 13 | 4.0 | -- |
| 03/17/94 | 38.41 | 21.56 | 16.85 | -- | -- | -- | -- | 460 | 42 | <0.5 | 6.7 | 3.7 | -- |
| 06/16/94 | 38.41 | 20.58 | 17.83 | -- | -- | -- | -- | 320 | 20 | 0.7 | 8.7 | 3.0 | -- |
| 09/22/94 | 38.41 | 18.15 | 20.26 | -- | -- | -- | -- | 380 | 24 | 0.6 | 8.8 | 1.9 | -- |
| 12/15/94 | 38.41 | 22.59 | 15.82 | -- | -- | -- | -- | 280 | 23 | 7.6 | 7.8 | 13 | -- |
| 03/30/95 | 38.41 | 26.39 | 12.02 | -- | -- | -- | -- | 2200 | 890 | 8.9 | 15 | <5.0 | -- |
| 06/20/95 | 38.41 | 24.01 | 14.40 | -- | -- | -- | -- | 690 | 140 | <2.0 | 9.4 | 2.8 | -- |
| 09/20/95 | 38.41 | 24.59 | 13.82 | -- | -- | -- | -- | 730 | 27 | 78 | 26 | 130 | -- |
| 12/06/95 | 38.41 | 17.81 | 20.60 | -- | -- | -- | -- | 220 | 16 | <0.5 | 7.2 | 1.7 | 11 |
| 03/21/96 | 38.41 | 26.76 | 11.65 | -- | -- | -- | -- | 640 | 170 | <2.0 | 6.7 | <2.0 | 35 |
| 06/21/96 | 38.41 | 24.16 | 14.25 | -- | -- | -- | -- | 640 | 140 | <1.2 | 8.7 | 2.0 | 23 |
| 09/06/96 | 38.41 | 21.66 | 16.75 | -- | -- | -- | -- | 460 | 24 | 0.56 | 10 | 2.4 | 43 |
| 12/19/96 | 38.41 | 24.43 | 13.98 | -- | -- | -- | -- | 790 | 120 | 22 | 13 | 19 | <25 |
| 03/17/97 | 38.41 | 25.63 | 12.78 | -- | -- | -- | -- | 2200 | 660 | <10 | 15 | <10 | 110 |
| 06/11/97 | 38.41 | 23.25 | 15.16 | -- | -- | -- | -- | 1500 | 130 | <2.0 | 16 | 3.4 | 130 |
| 09/17/97 | 38.41 | 21.47 | 16.94 | -- | -- | -- | * | 910 | 160 | 23 | 13 | 49 | 180 |
| 12/11/97 | 38.41 | 25.23 | 13.18 | -- | -- | -- | -- | 2000 | 270 | 7.0 | 53 | 7.4 | 460 |
| 03/12/98 | 38.41 | 28.92 | 9.49 | -- | -- | -- | * | 3100 | 1300 | <20 | 42 | <20 | 760 |
| 06/23/98 | 38.41 | 28.19 | 10.22 | -- | -- | -- | -- | 1300 | 650 | 6.9 | 22 | 6.5 | 290 |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-2** | | | | | | | | | | | | | |
| 04/28/89 | 35.18 | 8.74 | 26.44 | -- | -- | -- | -- | 120,000 | 30,000 | 22,000 | 3000 | 17,000 | -- |
| 08/08/89 | 35.18 | 5.29 | 29.90 | 0.01 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/21/89 | 35.18 | 5.86 | 29.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/27/90 | 35.18 | 5.77 | 29.55 | 0.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/04/90 | 35.18 | 4.71 | 30.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/18/91 | 35.18 | 6.90 | 28.33 | 0.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/19/91 | 35.18 | 5.84 | 29.39 | 0.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/20/91 | 35.18 | 5.95 | 29.23 | -- | -- | -- | -- | 170,000 | 20,000 | 10,000 | 2800 | 19,000 | -- |
| 03/18/92 | 35.18 | 21.58 | 13.60 | 0.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/14/92 | 35.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/08/92 | 35.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/08/93 | 35.18 | 10.98 | 24.20 | Sheen | -- | -- | -- | 79,000 | 14,000 | 7200 | 3500 | 16,000 | -- |
| 04/14/93 | 35.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/16/93 | 35.18 | 5.03 | 30.15 | -- | -- | -- | -- | 2200 | 440 | 73 | 24 | 350 | -- |
| 09/21/93 | 37.47 | 11.18 | 26.29 | -- | -- | -- | -- | 11,000 | 2300 | 300 | 270 | 910 | -- |
| 01/28/94 | 37.47 | 13.51 | 23.96 | -- | -- | -- | -- | 49,000 | 11,000 | 3900 | 1600 | 12,000 | -- |
| 03/17/94 | 37.47 | 11.48 | 25.99 | -- | -- | -- | -- | 16,000 | 3300 | 1000 | 220 | 3500 | -- |
| 06/16/94 | 37.47 | 13.55 | 23.92 | -- | -- | -- | -- | 20,000 | 4800 | 1500 | 520 | 4300 | -- |
| 09/22/94 | 37.47 | 11.85 | 25.62 | -- | -- | -- | -- | 35,000 | 5600 | 850 | 1700 | 7300 | -- |
| 12/15/94 | 37.47 | 16.31 | 21.16 | -- | -- | -- | -- | 96,000 | 9000 | 3500 | 3300 | 13,000 | -- |
| 03/30/95 | 37.47 | 20.29 | 17.18 | -- | -- | -- | -- | 100,000 | 9400 | 3700 | 3900 | 14,000 | -- |
| 06/20/95 | 37.47 | 18.52 | 18.95 | -- | -- | -- | -- | 93,000 | 6400 | 1900 | 2900 | 11,000 | -- |
| 09/20/95 | 37.47 | 19.27 | 18.20 | -- | -- | -- | -- | 58,000 | 6600 | 330 | 1600 | 5500 | -- |
| 12/06/95 | 37.47 | 12.71 | 24.76 | -- | -- | -- | -- | 40,000 | 5000 | 86 | 1800 | 3700 | <500 |
| 03/21/96 | 37.47 | 21.30 | 16.17 | 0.00 | 0.132 | 0.130 | -- | -- | -- | -- | -- | -- | -- |
| 06/21/96 | 37.47 | 19.34 | 18.15 | 0.02 | 0.026 | 0.156 | -- | -- | -- | -- | -- | -- | -- |
| 09/06/96 | 37.47 | 16.36 | 21.14 | 0.04 | 0.079 | 0.235 | | | | | | | |
| 12/19/96 | 37.47 | 19.94 | 17.55 | 0.03 | 0.050 | 0.285 | -- | -- | -- | -- | -- | -- | -- |
| 03/17/97 | 37.47 | 18.88 | 18.59 | -- | -- | 0.285 | -- | 58,000 | 4800 | 1200 | 1800 | 6300 | 3400 |
| 06/11/97 | 37.47 | 16.17 | 21.30 | -- | -- | 0.285 | -- | 40,000 | 5500 | 720 | 1400 | 4100 | 3100 |
| 09/17/97 | 37.47 | 14.33 | 23.14 | -- | -- | 0.285 | * | 30,000 | 4800 | 220 | 1200 | 1800 | 3200 |
| 12/11/97 | 37.47 | 20.26 | 17.21 | -- | -- | 0.285 | -- | 76,000 | 6100 | 1300 | 2200 | 8000 | 3800 |
| 03/12/98 | 37.47 | 23.30 | 14.17 | -- | -- | 0.285 | * | 45,000 | 6000 | 1400 | 1800 | 5900 | 2700 |
| 06/23/98 | 37.47 | 22.65 | 14.82 | -- | -- | 0.285 | -- | 1,100,000 | 6800 | 5100 | 13,000 | 38,000 | <1000 |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-3** | | | | | | | | | | | | | |
| 04/28/89 | 35.28 | 7.28 | 28.00 | -- | -- | -- | -- | <500 | 1.7 | <0.5 | <0.5 | <0.5 | -- |
| 08/08/89 | 35.28 | 5.28 | 30.00 | -- | -- | -- | -- | <500 | 1.0 | <0.5 | <0.5 | <0.5 | -- |
| 12/21/89 | 35.28 | 4.75 | 30.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/27/90 | 35.28 | 5.60 | 29.68 | -- | -- | -- | -- | <50 | <0.3 | <0.3 | <0.3 | <0.6 | -- |
| 11/04/90 | 35.30 | 4.94 | 30.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/18/91 | 35.30 | 6.84 | 28.46 | -- | -- | -- | -- | 52 | 1.1 | <0.5 | <0.5 | 1.2 | -- |
| 09/19/91 | 35.30 | 5.97 | 29.33 | -- | -- | -- | -- | 73 | 1.2 | <0.5 | <0.5 | <0.5 | -- |
| 12/20/91 | 35.30 | 5.53 | 29.77 | -- | -- | -- | -- | <50 | 0.7 | <0.5 | <0.5 | <0.5 | -- |
| 03/18/92 | 35.30 | 9.55 | 25.75 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/14/92 | 35.30 | 7.43 | 27.87 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/08/92 | 35.30 | 6.75 | 28.55 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | 0.5 | -- |
| 01/08/93 | 35.30 | 9.45 | 25.85 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/14/93 | 35.30 | 11.34 | 23.96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/16/93 | 35.30 | 9.66 | 25.64 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/21/93 | 38.37 | 12.15 | 26.22 | -- | -- | -- | -- | <50 | 0.7 | <0.5 | <0.5 | <0.8 | -- |
| 01/28/94 | 38.37 | 12.71 | 25.66 | -- | -- | -- | -- | <50 | 2.0 | <0.5 | <0.5 | 1.0 | -- |
| 03/17/94 | 38.37 | 13.42 | 24.95 | -- | -- | -- | -- | <50 | 2.8 | <0.5 | 0.6 | 1.5 | -- |
| 06/16/94 | 38.37 | 14.06 | 24.31 | -- | -- | -- | -- | <50 | 1.4 | <0.5 | <0.5 | <0.5 | -- |
| 09/22/94 | 38.37 | 13.33 | 25.04 | -- | -- | -- | -- | <50 | 0.6 | <0.5 | <0.5 | <0.5 | -- |
| 12/15/94 | 38.37 | 16.15 | 22.22 | -- | -- | -- | -- | <50 | 2.6 | 1.7 | 0.82 | 4.5 | -- |
| 03/30/95 | 38.37 | 19.95 | 18.42 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/20/95 | 38.37 | 18.58 | 19.79 | -- | -- | -- | -- | 110 | 2.2 | <0.5 | <0.5 | 1.2 | -- |
| 09/20/95 | 38.37 | 19.42 | 18.95 | -- | -- | -- | -- | 560 | 21 | 80 | 23 | 120 | -- |
| 12/06/95 | 38.37 | 14.21 | 24.16 | -- | -- | -- | -- | <50 | 0.73 | <0.5 | <0.5 | 0.67 | <2.5 |
| 03/21/96 | 38.37 | 20.52 | 17.85 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/21/96 | 38.37 | 18.59 | 19.78 | -- | -- | -- | -- | 57 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/06/96 | 38.37 | 16.74 | 21.63 | -- | -- | -- | -- | <50 | 0.90 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/19/96 | 38.37 | 16.07 | 22.30 | -- | -- | -- | -- | 310 | 36 | 33 | 6.5 | 28 | <2.5 |
| 03/17/97 | 38.37 | 19.42 | 18.95 | -- | -- | -- | -- | 54 | 1.1 | <0.5 | <0.5 | 0.76 | <2.5 |
| 06/11/97 | 38.37 | 17.22 | 21.15 | -- | -- | -- | -- | 120 | 1.1 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/17/97 | 38.37 | 15.96 | 22.41 | -- | -- | -- | * | 240 | 19 | 19 | 6.6 | 40 | 13 |
| 12/11/97 | 38.37 | 16.11 | 22.26 | -- | -- | -- | -- | <50 | 1.8 | <0.5 | <0.5 | 0.50 | <2.5 |
| 03/12/98 | 38.37 | 20.02 | 18.35 | -- | -- | -- | * | 72 | 6.3 | <0.5 | 0.64 | 3.1 | 2.6 |
| 06/23/98 | 38.37 | 19.33 | 19.04 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-4** | | | | | | | | | | | | | |
| 01/12/89 | 33.45 | 3.96 | 29.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/12/89 | 33.45 | 6.01 | 27.44 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/28/89 | 33.45 | 3.96 | 29.49 | -- | -- | -- | -- | 20,000 | 6300 | 550 | 230 | 1500 | -- |
| 08/08/89 | 33.45 | 3.90 | 29.55 | -- | -- | -- | -- | 8000 | 7500 | 340 | 88 | 1000 | -- |
| 12/21/89 | 33.45 | 3.43 | 30.02 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/27/90 | 33.48 | 4.46 | 29.02 | -- | -- | -- | -- | 26,000 | 10,000 | 280 | 410 | 1400 | -- |
| 11/04/90 | 33.48 | 3.67 | 29.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/18/91 | 33.48 | 6.03 | 27.45 | -- | -- | -- | -- | 34,000 | 14,000 | 410 | 450 | 1300 | -- |
| 09/19/91 | 33.48 | 4.83 | 28.65 | -- | -- | -- | -- | 16,000 | 7400 | 90 | 110 | 460 | -- |
| 12/20/91 | 33.48 | 4.64 | 28.84 | -- | -- | -- | -- | 24,000 | 12,000 | 120 | 260 | 740 | -- |
| 03/18/92 | 33.48 | 11.05 | 24.43 | -- | -- | -- | -- | 48,000 | 6000 | 1300 | 1300 | 2400 | -- |
| 07/14/92 | 33.48 | 6.59 | 26.89 | -- | -- | -- | -- | 40,000 | 14,000 | 920 | 550 | 2400 | -- |
| 10/08/92 | 33.48 | 5.69 | 27.79 | -- | -- | -- | -- | 29,000 | 13,000 | 190 | 110 | 1400 | -- |
| 01/08/93 | 33.48 | 9.98 | 23.50 | -- | -- | -- | -- | 25,000 | 7000 | 630 | 860 | 1800 | -- |
| 04/14/93 | 33.48 | 12.35 | 21.13 | -- | -- | -- | -- | 27,000 | 6300 | 1000 | 900 | 1400 | -- |
| 07/16/93 | 33.48 | 9.52 | 23.96 | -- | -- | -- | -- | 28,000 | 7800 | 1100 | 830 | 2100 | -- |
| 09/21/93 | 36.49 | 10.98 | 25.51 | -- | -- | -- | -- | 30,000 | 9600 | 130 | 390 | 1300 | -- |
| 01/28/94 | 36.49 | 13.18 | 23.31 | -- | -- | -- | -- | 18,000 | 7800 | 440 | 260 | 1200 | -- |
| 03/17/94 | 36.49 | 15.14 | 21.35 | -- | -- | -- | -- | 32,000 | 7800 | 820 | 820 | 1800 | -- |
| 06/16/94 | 36.49 | 13.99 | 22.50 | -- | -- | -- | -- | 25,000 | 7600 | 710 | 600 | 1800 | -- |
| 09/22/94 | 36.49 | 12.56 | 23.93 | -- | -- | -- | -- | 25,000 | 7800 | 140 | 600 | 1100 | -- |
| 12/15/94 | 36.49 | 17.47 | 19.02 | -- | -- | -- | -- | 38,000 | 7600 | 460 | 1200 | 2000 | -- |
| 03/30/95 | 36.49 | 21.63 | 14.86 | -- | -- | -- | -- | 41,000 | 8700 | 1600 | 1800 | 3000 | -- |
| 06/20/95 | 36.49 | 19.59 | 16.90 | -- | -- | -- | -- | 29,000 | 6000 | 890 | 960 | 1800 | -- |
| 09/20/95 | 36.49 | 20.29 | 16.20 | -- | -- | -- | -- | 12,000 | 6900 | 510 | 290 | 1300 | -- |
| 12/06/95 | 36.49 | 13.37 | 23.12 | -- | -- | -- | -- | 13,000 | 3900 | 42 | 30 | 250 | <250 |
| 03/21/96 | 36.49 | 22.39 | 14.10 | -- | -- | -- | -- | 39,000 | 4800 | 640 | 1000 | 1800 | <1000 |
| 06/21/96 | 36.49 | 19.54 | 16.95 | -- | -- | -- | -- | 26,000 | 4400 | 640 | 960 | 1800 | 2000 |
| 09/06/96 | 36.49 | 16.36 | 20.13 | -- | -- | -- | -- | 23,000 | 500 | 200 | 230 | 1000 | 3100 |
| 12/19/96 | 36.49 | 19.57 | 16.92 | -- | -- | -- | -- | 23,000 | 4900 | 320 | 1100 | 2000 | <250 |
| 03/17/97 | 36.49 | 19.09 | 17.40 | -- | -- | -- | -- | 30,000 | 5800 | 700 | 1400 | 2200 | 1700 |
| 06/11/97 | 36.49 | 18.15 | 18.34 | -- | -- | -- | -- | 29,000 | 4400 | 520 | 790 | 1800 | 2000 |
| 09/17/97 | 36.49 | 15.03 | 21.46 | -- | -- | -- | * | 17,000 | 4300 | 140 | 940 | 1100 | 4600 |
| 12/11/97 | 36.49 | 19.84 | 16.65 | -- | -- | -- | -- | 12,000 | 2500 | 130 | 300 | 1000 | 1400 |
| 03/12/98 | 36.49 | 19.90 | 16.59 | -- | -- | -- | * | 46,000 | 11,000 | 1500 | 2300 | 5000 | 3400 |
| 06/23/98 | 36.49 | 19.47 | 17.02 | -- | -- | -- | -- | 27,000 | 1600 | 160 | 180 | 690 | 100 |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-5** | | | | | | | | | | | | | |
| 08/27/90 | 35.50 | 5.67 | 29.83 | -- | -- | -- | -- | <50 | <0.3 | <0.3 | <0.3 | <0.6 | -- |
| 11/14/90 | 35.50 | 4.94 | 30.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/18/91 | 35.50 | 6.98 | 28.52 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/19/91 | 35.50 | 5.99 | 29.51 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/20/91 | 35.50 | 5.54 | 29.96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/18/92 | 35.50 | 9.58 | 25.92 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/14/92 | 35.50 | 7.50 | 28.00 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/08/92 | 35.50 | 6.85 | 28.65 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/08/93 | 35.50 | 9.48 | 26.02 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/14/93 | 35.50 | 11.46 | 24.04 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/16/93 | 35.50 | 10.29 | 25.21 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/21/93 | 38.50 | 12.14 | 26.36 | -- | -- | -- | -- | 60 | 10 | 8.1 | 1.9 | 9.4 | -- |
| 01/28/94 | 38.50 | 12.60 | 25.90 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/17/94 | 38.50 | 14.00 | 24.50 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/16/94 | 38.50 | 14.10 | 24.40 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/22/94 | 38.50 | 13.34 | 25.16 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/15/94 | 38.50 | 15.61 | 22.89 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/30/95 | 38.50 | 19.96 | 18.54 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/20/95 | 38.50 | 18.37 | 20.13 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/20/95 | 38.50 | 14.16 | 24.34 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/06/95 | 38.50 | 14.40 | 24.10 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/21/96 | 38.50 | 20.10 | 18.40 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/21/96 | 38.50 | 18.23 | 20.27 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 8.7 |
| 06/06/96 | 38.50 | 16.60 | 21.90 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/19/96 | 38.50 | 17.35 | 21.15 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/17/97 | 38.50 | 18.66 | 19.84 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/11/97 | 38.50 | 16.90 | 21.60 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/17/97 | 38.50 | 10.67 | 27.83 | -- | -- | -- | Sampled annually | -- | -- | -- | -- | -- | -- |
| 12/11/97 | 38.50 | 17.50 | 21.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/12/98 | 38.50 | 22.08 | 16.42 | -- | -- | -- | * | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/23/98 | 38.50 | 21.52 | 16.98 | -- | -- | -- | Sampled annually | -- | -- | -- | -- | -- | -- |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-6** | | | | | | | | | | | | | |
| 08/27/90 | 32.40 | -11.71 | 44.11 | -- | -- | -- | -- | 7200 | 2100 | 6.0 | 41 | 300 | -- |
| 11/14/90 | 32.40 | -11.63 | 44.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/18/91 | 32.40 | -11.09 | 43.49 | -- | -- | -- | -- | 4400 | 2500 | 18 | 160 | 77 | -- |
| 09/19/91 | 32.40 | -1.92 | 34.32 | -- | -- | -- | -- | 3100 | 1600 | 8.3 | 73 | 8.0 | -- |
| 12/20/91 | 32.40 | -8.95 | 41.35 | -- | -- | -- | -- | 4400 | 1300 | 3.2 | 74 | 10 | -- |
| 03/18/92 | 32.40 | -8.29 | 40.69 | -- | -- | -- | -- | 9800 | 3200 | 34 | 250 | 500 | -- |
| 07/14/92 | 32.40 | -6.49 | 38.89 | -- | -- | -- | -- | 6500 | 2200 | 100 | 96 | 240 | -- |
| 10/08/92 | 32.40 | -6.27 | 38.67 | -- | -- | -- | -- | 1800 | 1000 | 3.1 | 15 | 41 | -- |
| 01/08/93 | 32.40 | -5.41 | 37.81 | -- | -- | -- | -- | 5200 | 1600 | 6.8 | 63 | 120 | -- |
| 04/14/93 | 32.40 | -2.30 | 34.70 | -- | -- | -- | -- | 11,000 | 1800 | 13 | 110 | 200 | -- |
| 07/16/93 | 32.40 | -1.47 | 33.87 | -- | -- | -- | -- | 4800 | 820 | 10 | 41 | 57 | -- |
| 09/21/93 | 35.40 | 1.42 | 33.98 | -- | -- | -- | -- | 4100 | 1200 | <50 | 75 | 130 | -- |
| 01/28/94 | 35.40 | 1.54 | 33.86 | -- | -- | -- | -- | 3100 | 930 | 14 | 40 | 34 | -- |
| 03/17/94 | 35.40 | 3.09 | 32.31 | -- | -- | -- | -- | 5100 | 950 | 18 | 61 | 83 | -- |
| 06/16/94 | 35.40 | 3.90 | 31.50 | -- | -- | -- | -- | 3800 | 970 | 6.4 | 52 | 62 | -- |
| 09/22/94 | 35.40 | 4.18 | 31.22 | -- | -- | -- | -- | 4100 | 980 | 7.8 | 43 | 48 | -- |
| 12/15/94 | 35.40 | 4.00 | 31.40 | -- | -- | -- | -- | 5000 | 1400 | <20 | 73 | 61 | -- |
| 03/30/95 | 35.40 | 9.02 | 26.38 | -- | -- | -- | -- | 5500 | 1700 | <13 | 120 | 97 | -- |
| 06/20/95 | 35.40 | 10.39 | 25.01 | -- | -- | -- | -- | 1700 | 470 | <10 | 29 | 16 | -- |
| 09/20/95 | 35.40 | 11.35 | 24.05 | -- | -- | -- | -- | 3500 | 770 | <5.0 | 45 | 17 | -- |
| 12/06/95 | 35.40 | 7.28 | 28.12 | -- | -- | -- | -- | 3100 | 710 | <10 | 41 | 20 | <50 |
| 03/21/96 | 35.40 | 12.28 | 23.12 | -- | -- | -- | -- | 1400 | 330 | <2.5 | 15 | 8.1 | 19 |
| 06/21/96 | 35.40 | 11.90 | 23.50 | -- | -- | -- | -- | 2200 | 560 | <5.0 | 18 | <5.0 | 77 |
| 09/06/96 | 35.40 | 10.57 | 24.83 | -- | -- | -- | -- | 2800 | 720 | <10 | 13 | <10 | 160 |
| 12/19/96 | 35.40 | 10.90 | 24.50 | -- | -- | -- | -- | 830 | 320 | <2.5 | <2.5 | <2.5 | 14 |
| 03/17/97 | 35.40 | 12.81 | 22.59 | -- | -- | -- | -- | 2200 | 500 | <10 | 25 | <10 | <50 |
| 06/11/97 | 35.40 | 11.64 | 23.76 | -- | -- | -- | -- | 3000 | 570 | <5.0 | 29 | 10 | 220 |
| 09/17/97 | 35.40 | 10.66 | 24.74 | -- | -- | -- | * | 1400 | 330 | <5.0 | <5.0 | <5.0 | 76 |
| 12/11/97 | 35.40 | 10.75 | 24.65 | -- | -- | -- | -- | 1600 | 230 | <5.0 | 7.3 | 6.4 | 46 |
| 03/12/98 | 35.40 | 8.28 | 27.12 | -- | -- | -- | * | 980 | 300 | <5.0 | 15 | 12 | 49 |
| 06/23/98 | 35.40 | 7.48 | 27.92 | -- | -- | -- | -- | 220 | 35 | <0.5 | 2.5 | 1.1 | <2.5 |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-7** | | | | | | | | | | | | | |
| 08/27/90 | 32.17 | -12.06 | 44.23 | -- | -- | -- | -- | 110 | 26 | 0.8 | 4.0 | 6.0 | -- |
| 11/14/90 | 32.17 | -11.94 | 44.11 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/18/91 | 32.17 | -9.88 | 42.05 | -- | -- | -- | -- | 23,000 | 5700 | 420 | 1000 | 2800 | -- |
| 09/19/91 | 32.17 | -9.55 | 41.72 | -- | -- | -- | -- | 26,000 | 4600 | 330 | 970 | 2400 | -- |
| 12/20/91 | 32.17 | -9.50 | 41.67 | -- | -- | -- | -- | 33,000 | 5500 | 270 | 1000 | 2100 | -- |
| 03/18/92 | 32.17 | -9.03 | 41.20 | -- | -- | -- | -- | 27,000 | 5800 | 410 | 1300 | 3300 | -- |
| 07/14/92 | 32.17 | -7.60 | 39.77 | -- | -- | -- | -- | 46,000 | 12,000 | 720 | 1700 | 4600 | -- |
| 10/08/92 | 32.17 | -6.97 | 39.14 | -- | -- | -- | -- | 22,000 | 6800 | 370 | 1300 | 3200 | -- |
| 01/08/93 | 32.17 | -6.33 | 38.50 | -- | -- | -- | -- | 36,000 | 7600 | 540 | 1700 | 4200 | -- |
| 04/14/93 | 32.17 | -3.76 | 35.93 | -- | -- | -- | -- | 23,000 | 3100 | 450 | 670 | 1900 | -- |
| 07/16/93 | 32.17 | -3.21 | 35.38 | -- | -- | -- | -- | 19,000 | 3200 | 330 | 550 | 1800 | -- |
| 09/21/93 | 35.19 | -0.27 | 35.46 | -- | -- | -- | -- | 17,000 | 2700 | 160 | 410 | 760 | -- |
| 01/28/94 | 35.19 | -0.26 | 35.45 | -- | -- | -- | -- | 14,000 | 1800 | 210 | 390 | 1000 | -- |
| 03/17/94 | 35.19 | 1.95 | 33.24 | -- | -- | -- | -- | 17,000 | 1600 | 210 | 410 | 1200 | -- |
| 06/16/94 | 35.19 | 2.12 | 33.07 | -- | -- | -- | -- | 12,000 | 1600 | 180 | 410 | 1200 | -- |
| 09/22/94 | 35.19 | 2.45 | 32.74 | -- | -- | -- | -- | 10,000 | 1700 | 110 | 320 | 580 | -- |
| 12/15/94 | 35.19 | 3.27 | 31.92 | -- | -- | -- | -- | 10,000 | 1200 | 120 | 280 | 710 | -- |
| 03/30/95 | 35.19 | 7.59 | 27.60 | -- | -- | -- | -- | 4600 | 460 | 73 | 160 | 460 | -- |
| 06/20/95 | 35.19 | 7.32 | 27.87 | -- | -- | -- | -- | 26,000 | 4400 | 450 | 900 | 2400 | -- |
| 09/20/95 | 35.19 | 7.11 | 28.08 | -- | -- | -- | -- | 9400 | 610 | 81 | 250 | 800 | -- |
| 12/06/95 | 35.19 | 4.57 | 30.62 | -- | -- | -- | -- | 1200 | 110 | 12 | 25 | 71 | 34 |
| 03/21/96 | 35.19 | 7.34 | 27.85 | -- | -- | -- | -- | 17,000 | 1300 | 160 | 410 | 1300 | <100 |
| 06/21/96 | 35.19 | 7.77 | 27.42 | -- | -- | -- | -- | 14,000 | 1300 | 210 | 500 | 1700 | 590 |
| 09/06/96 | 35.19 | 6.84 | 28.35 | -- | -- | -- | -- | 15,000 | 3400 | <50 | 460 | 850 | <250 |
| 12/19/96 | 35.19 | 6.08 | 29.11 | -- | -- | -- | -- | 530 | 8.6 | 0.50 | 0.85 | 3.4 | <2.5 |
| 03/17/97 | 35.19 | 8.05 | 27.14 | -- | -- | -- | -- | 4600 | 310 | 46 | 110 | 310 | 98 |
| 06/11/97 | 35.19 | 7.14 | 28.05 | -- | -- | -- | -- | 420 | 15 | <0.5 | 3.3 | 5.1 | <2.5 |
| 09/17/97 | 35.19 | 6.19 | 29.00 | -- | -- | -- | * | 1400 | 120 | 11 | 31 | 84 | 54 |
| 12/11/97 | 35.19 | 5.93 | 29.26 | -- | -- | -- | -- | 210 | 10 | <0.5 | 0.97 | 1.6 | <2.5 |
| 03/12/98 | 35.19 | 10.27 | 24.92 | -- | -- | -- | * | 68 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/23/98 | 35.19 | 9.89 | 25.30 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-8** | | | | | | | | | | | | | |
| 11/14/90 | 30.68 | -12.61 | 43.29 | -- | -- | -- | -- | <50 | <0.3 | <0.3 | <0.3 | <0.6 | -- |
| 06/18/91 | 30.68 | -11.94 | 42.62 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/19/91 | 30.68 | -11.04 | 41.72 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/20/91 | 30.68 | -10.30 | 40.98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/18/92 | 30.68 | -9.34 | 40.02 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/14/92 | 30.68 | -8.34 | 39.02 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/08/92 | 30.68 | -8.00 | 38.68 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | 1.1 | -- |
| 01/08/93 | 30.68 | -7.39 | 38.07 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/14/93 | 30.68 | -5.31 | 35.99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/16/93 | 30.68 | -4.64 | 35.32 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/21/93 | 34.68 | -0.62 | 35.30 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.8 | -- |
| 01/28/94 | 34.68 | -0.93 | 35.61 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/17/94 | 34.68 | 0.31 | 34.37 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/16/94 | 34.68 | 1.32 | 33.36 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/22/94 | 34.68 | 1.86 | 32.82 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/15/94 | 34.68 | 2.32 | 32.36 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/30/95 | 34.68 | 5.44 | 29.24 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/20/95 | 34.68 | 6.34 | 28.34 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/20/95 | 34.68 | 5.20 | 29.48 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/06/95 | 34.68 | 3.76 | 30.92 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/21/96 | 34.68 | 6.03 | 28.65 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/21/96 | 34.68 | 6.78 | 27.90 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/06/96 | 34.68 | 5.98 | 28.70 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/19/96 | 34.68 | 4.98 | 29.70 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/17/97 | 34.68 | 6.92 | 27.76 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/11/97 | 34.68 | 5.87 | 28.81 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/17/97 | 34.68 | 5.32 | 29.36 | -- | -- | -- | Sampled annually | -- | -- | -- | -- | -- | -- |
| 12/11/97 | 34.68 | 4.88 | 29.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/12/98 | 34.68 | 8.95 | 25.73 | -- | -- | -- | * | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 2.6 |
| 06/23/98 | 34.68 | 8.38 | 26.30 | -- | -- | -- | Sampled annually | -- | -- | -- | -- | -- | -- |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C-9** | | | | | | | | | | | | | |
| 08/13/96 | -- | -- | 28.27 | -- | -- | -- | -- | ND | ND | ND | ND | ND | ND |
| 09/06/96 | -- | -- | 28.47 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/19/96 | 30.68 | 1.39 | 29.29 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/17/97 | 30.68 | 3.11 | 27.57 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/11/97 | 30.68 | 2.41 | 28.27 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/17/97 | 30.68 | 2.05 | 28.63 | -- | -- | -- | Sampled annually | -- | -- | -- | -- | -- | -- |
| 12/11/97 | 30.68 | 1.25 | 29.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/12/98 | 30.68 | 5.06 | 25.62 | -- | -- | -- | * | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/23/98 | 30.68 | 4.53 | 26.15 | -- | -- | -- | Sampled annually | -- | -- | -- | -- | -- | -- |

* See table of Additional Analysis

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Volumetric Measurements are in gallons. Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TRIP BLANK** | | | | | | | | | | | | | |
| 04/28/89 | -- | -- | -- | -- | -- | -- | -- | <500 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 08/08/89 | -- | -- | -- | -- | -- | -- | -- | <500 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 08/27/90 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.3 | <0.3 | <0.3 | <0.6 | -- |
| 11/14/90 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.3 | <0.3 | <0.3 | <0.6 | -- |
| 06/18/91 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/19/91 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/20/91 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/18/92 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/14/92 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/08/92 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/08/93 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/14/93 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/16/93 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/21/93 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.8 | -- |
| 01/28/94 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/17/94 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/16/94 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/22/94 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/15/94 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/30/95 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/20/95 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/20/95 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/06/95 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/21/96 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/21/96 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/06/96 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/19/96 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/17/97 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/11/97 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/17/97 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/11/97 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/12/98 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/23/98 | -- | -- | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |

## ADDITIONAL ANALYSES

Analytical values are in parts per million (ppm) unless otherwise noted

| DATE | Notes | Total Alkalinity mg $CaCO_3$/L | Ferrous Iron | Nitrate as Nitrate | Sulfate |
|---|---|---|---|---|---|
| **C-1** | | | | | |
| 09/17/97 | -- | 2.0 | 1.1 | <1.0 | 12 |
| 03/12/98 | -- | 550 | 3.0 | <1.0 | 6.6 |
| **C-2** | | | | | |
| 09/17/97 | -- | 560 | 4.7 | <1.0 | <1.0 |
| 03/12/98 | -- | 420 | 3.5 | <1.0 | <1.0 |
| **C-3** | | | | | |
| 09/17/97 | -- | 340 | 0.012 | 100 | 33 |
| 03/12/98 | -- | 260 | 0.14 | 88 | 32 |
| **C-4** | | | | | |
| 09/17/97 | -- | 540 | 5.9 | <1.0 | <1.0 |
| 03/12/98 | -- | 550 | 1.3 | <1.0 | 2.7 |
| **C-5** | | | | | |
| 03/12/98 | -- | 210 | 0.074 | 69 | 74 |
| **C-6** | | | | | |
| 09/17/97 | -- | 620 | 1.1 | <1.0 | 18 |
| 03/12/98 | -- | 200 | 0.11 | 14 | 14 |
| **C-7** | | | | | |
| 09/17/97 | -- | 600 | 4.8 | <1.0 | 18 |
| 03/12/98 | -- | 460 | 0.16 | <1.0 | 29 |

CONTINUED ON NEXT PAGE

## ADDITIONAL ANALYSES (CONT'D)

Analytical values are in parts per million (ppm) unless otherwise noted

| DATE | Notes | Total Alkalinity mg $CaCO_3/L$ | Ferrous Iron | Nitrate as Nitrate | Sulfate |
|---|---|---|---|---|---|
| **C-8** | | | | | |
| 03/12/98 | -- | 110 | 0.16 | 7.4 | 8.2 |
| **C-9** | | | | | |
| 03/12/98 | -- | 230 | 0.048 | 59 | 58 |

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.
Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl t-Butyl Ether
ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.

# Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-0076/980623-M2 | Sampled: 06/23/98 |
| 1680 Rogers Avenue | Sample Descript: C1 | Received: 06/24/98 |
| San Jose, CA 95112 | Matrix: LIQUID | Extracted: 06/29/98 |
| | Analysis Method: 8015Mod/8020 | Analyzed: 06/29/98 |
| Attention: Fran Thie | Lab Number: 9806G01-01 | Reported: 07/08/98 |

QC Batch Number: GC062998802007A
Instrument ID: GC-7

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **50** | **1300** |
| **Methyl t-Butyl Ether** | **2.5** | **290** |
| **Benzene** | **0.50** | **650** |
| **Toluene** | **0.50** | **6.9** |
| **Ethyl Benzene** | **0.50** | **22** |
| **Xylenes (Total)** | **0.50** | **6.5** |
| **Chromatogram Pattern:** | | **GAS** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 110 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-0076/980623-M2 | Sampled: 06/23/98 |
| 1680 Rogers Avenue | Sample Descript: C2 | Received: 06/24/98 |
| San Jose, CA 95112 | Matrix: LIQUID | Extracted: 06/29/98 |
| | Analysis Method: 8015Mod/8020 | Analyzed: 06/29/98 |
| Attention: Fran Thie | Lab Number: 9806G01-02 | Reported: 07/08/98 |

QC Batch Number: GC062998802007A
Instrument ID: GC-7

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **20000** | **1100000** |
| Methyl t-Butyl Ether | 1000 | N.D. |
| **Benzene** | **200** | **6800** |
| **Toluene** | **200** | **5100** |
| **Ethyl Benzene** | **200** | **13000** |
| **Xylenes (Total)** | **200** | **38000** |
| **Chromatogram Pattern:** | | **GAS** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 156 Q |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-0076/980623-M2 | Sampled: 06/23/98 |
| 1680 Rogers Avenue | Sample Descript: C3 | Received: 06/24/98 |
| San Jose, CA 95112 | Matrix: LIQUID | Extracted: 06/29/98 |
| | Analysis Method: 8015Mod/8020 | Analyzed: 06/29/98 |
| Attention: Fran Thie | Lab Number: 9806G01-03 | Reported: 07/08/98 |

QC Batch Number: GC062998802007A
Instrument ID: GC-7

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | N.D. |
| Methyl t-Butyl Ether | 2.5 | N.D. |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 87 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Mike Gregory
Project Manager

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-0076/980623-M2 | Sampled: 06/23/98 |
| 1680 Rogers Avenue | Sample Descript: C4 | Received: 06/24/98 |
| San Jose, CA 95112 | Matrix: LIQUID | Extracted: 06/29/98 |
| | Analysis Method: 8015Mod/8020 | Analyzed: 06/29/98 |
| Attention: Fran Thie | Lab Number: 9806G01-04 | Reported: 07/08/98 |

QC Batch Number: GC062998802007A
Instrument ID: GC-7

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | 500 | 27000 |
| **Methyl t-Butyl Ether** | 25 | 100 |
| **Benzene** | 5.0 | 1600 |
| **Toluene** | 5.0 | 160 |
| **Ethyl Benzene** | 5.0 | 180 |
| **Xylenes (Total)** | 5.0 | 690 |
| **Chromatogram Pattern:** | | GAS |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 88 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Mike Gregory
Project Manager

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| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-0076/980623-M2 | Sampled: 06/23/98 |
| 1680 Rogers Avenue | Sample Descript: C6 | Received: 06/24/98 |
| San Jose, CA 95112 | Matrix: LIQUID | Extracted: 06/29/98 |
| | Analysis Method: 8015Mod/8020 | Analyzed: 06/29/98 |
| Attention: Fran Thie | Lab Number: 9806G01-05 | Reported: 07/08/98 |

QC Batch Number: GC062998802007A
Instrument ID: GC-7

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **50** | **220** |
| Methyl t-Butyl Ether | 2.5 | N.D. |
| **Benzene** | **0.50** | **35** |
| Toluene | 0.50 | N.D. |
| **Ethyl Benzene** | **0.50** | **2.5** |
| **Xylenes (Total)** | **0.50** | **1.1** |
| **Chromatogram Pattern:** | | **GAS** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 109 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-0076/980623-M2 | Sampled: 06/23/98 |
| 1680 Rogers Avenue | Sample Descript: C7 | Received: 06/24/98 |
| San Jose, CA 95112 | Matrix: LIQUID | Extracted: 06/29/98 |
| | Analysis Method: 8015Mod/8020 | Analyzed: 06/29/98 |
| Attention: Fran Thie | Lab Number: 9806G01-06 | Reported: 07/08/98 |

QC Batch Number: GC062998802007A
Instrument ID: GC-7

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | N.D. |
| Methyl t-Butyl Ether | 2.5 | N.D. |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 89 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-0076/980623-M2 | Sampled: 06/23/98 |
| 1680 Rogers Avenue | Sample Descript: TB | Received: 06/24/98 |
| San Jose, CA 95112 | Matrix: LIQUID | Extracted: 06/29/98 |
| | Analysis Method: 8015Mod/8020 | Analyzed: 06/29/98 |
| Attention: Fran Thie | Lab Number: 9806G01-07 | Reported: 07/08/98 |

QC Batch Number: GC0629988802007A
Instrument ID: GC-7

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | N.D. |
| Methyl t-Butyl Ether | 2.5 | N.D. |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 82 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-0076/980623-M2 | Received: 06/24/98 |
| 1680 Rogers Avenue | | |
| San Jose, CA 95112 | Lab Proj. ID: 9806G01 | Reported: 07/08/98 |
| Attention: Fran Thie | | |

## LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 10 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

#Q - Surrogate coelution was confirmed.

TPH-GAS/BTEX:
Sample 9806G01-02 was diluted 400-fold.
Sample 9806G01-04 was diluted 10-fold.

**SEQUOIA ANALYTICAL**

Mike Gregory
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

| | | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | Client Project ID: | Chevron 9-0076/ 980623-M2 | |
| 1680 Rogers Ave. | Matrix: | Liquid | |
| San Jose, CA 95112 | | | |
| Attention: Fran Thie | Work Order #: | 9806G01 -01-07 | Reported: Jul 8, 1998 |

# QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes | Gas |
|---|---|---|---|---|---|
| QC Batch#: | GC062998802007A | GC062998802007A | GC062998802007A | GC062998802007A | GC062998802007A |
| Analy. Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8015M |
| Prep. Method: | EPA 5030 | EPA 5030 | EPA 5030 | EPA 5030 | EPA 5030 |
| Analyst: | S.L. | S.L. | S.L. | S.L. | S.L. |
| MS/MSD #: | 98060720 | 98060720 | 98060720 | 98060720 | - |
| Sample Conc.: | 86.4 | N.D. | N.D. | N.D. | - |
| Prepared Date: | 6/29/98 | 6/29/98 | 6/29/98 | 6/29/98 | - |
| Analyzed Date: | 6/29/98 | 6/29/98 | 6/29/98 | 6/29/98 | - |
| Instrument I.D.#: | GC7 | GC7 | GC7 | GC7 | - |
| Conc. Spiked: | 20 µg/L | 20 µg/L | 20 µg/L | 60 µg/L | - |
| Result: | 100.2 | 20.3 | 21.9 | 66.2 | - |
| MS % Recovery: | 69 | 102 | 110 | 110 | - |
| Dup. Result: | 97.1 | 20.9 | 22.1 | 67 | - |
| MSD % Recov.: | 54 | 105 | 111 | 112 | - |
| RPD: | 3.1 | 2.9 | 0.91 | 1.2 | - |
| RPD Limit: | 0-25 | 0-25 | 0-25 | 0-25 | - |

| | | | | | |
|---|---|---|---|---|---|
| LCS #: | LCS062998 | LCS062998 | LCS062998 | LCS062998 | LCS062998 |
| Prepared Date: | 6/29/98 | 6/29/98 | 6/29/98 | 6/29/98 | 6/29/98 |
| Analyzed Date: | 6/29/98 | 6/29/98 | 6/29/98 | 6/29/98 | 6/29/98 |
| Instrument I.D.#: | GC7 | GC7 | GC7 | GC7 | GC7 |
| Conc. Spiked: | 20 µg/L | 20 µg/L | 20 µg/L | 60 µg/L | 500 µg/L |
| LCS Result: | 19 | 19.3 | 20.2 | 63.5 | 463 |
| LCS % Recov.: | 95 | 97 | 101 | 106 | 93 |
| MS/MSD | 60-140 | 60-140 | 60-140 | 60-140 | |
| LCS | 70-130 | 70-130 | 70-130 | 70-130 | 60-140 |
| Control Limits | | | | | |

**SEQUOIA ANALYTICAL**
**Elap #2142**

Mike Gregory
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Copy of Lab Report and COC to Chevron Contact: ☐ No

# Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-0076
Facility Address: 4265 Foothill Blvd., Oakland, CA
Consultant Project Number: 980623-M2
Consultant Name: Blaine Tech Services, Inc.
Address: 1680 Rogers Ave., San Jose, CA 95112
Project Contact (Name): Fran Thie
(Phone): (408)573-0555 (Fax Number): (408)573-7771

Chevron Contact (Name): Phil Briggs
(Phone): (510) 842-9136
Laboratory Name: Sequoia
Laboratory Release Number: 9034805
Samples Collected by (Name): M. Wetmore
Collection Date: 6/23
Signature:

Analyses To Be Performed — 9806601

| Sample Number | Lab Sample Number | Number of Containers | Matrix S = Soil A = Air W = Water C = Charcoal | Type G = Grab C = Composite D = Discrete | Time | Sample Preservation | Iced (Yes or No) | BTEX + TPH GAS (8020 + 8015) MTBE | TPH Diesel (8015) | Oil and Grease (5520) | Purgeable Halocarbons (8010) | Purgeable Aromatics (8020) | Purgeable Organics (8240) | Extractable Organics (8270) | Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | 1 | 3 | W | | 1615 | HCl | Y | X | | | | | | | | | | | | |
| C2 | 2 | 3 | | | 1635 | | | X | | | | | | | | | | | | |
| C3 | 3 | 3 | | | 1555 | | | X | | | | | | | | | | | | |
| C4 | 4 | 3 | | | 1655 | | | X | | | | | | | | | | | | |
| C-6 | 5 | 3 | | | 1540 | | | X | | | | | | | | | | | | |
| C-7 | 6 | 3 | | | 1510 | | | X | | | | | | | | | | | | |
| TB | 7 | 2 | | | | | | X | | | | | | | | | | | | |

DO NOT BILL
FOR TB-LB

Remarks

3 24 11 05

| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
|---|---|---|---|---|---|
| | BTS | 6/24/98 10:00 | | Sequoia | 6/24/98 |
| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
| | | 6/24/98 | | | |
| Relinquished By (Signature) | Organization | Date/Time | Received For Laboratory By (Signature) | | Date/Time |
| | | | Anna DeMiano | | 4/24/98 1105 |

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

# Field
# Data
# Sheets

# WELL GAUGING DATA

Project # 980623-M2 Date 6/23 Client Chevron

Site 4265 FOOTHILL BVD. OAKLAND

| 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 | |
|---|---|---|---|---|---|---|---|---|---|
| C-1 | 3 | ODOR | | | | 10.22 | 39.17 | TOC | |
| C-2 | 3 | ODOR | | | | 14.82 | 36.30 | | |
| C-3 | 3 | | | | | 19.04 | 39.32 | | |
| C-4 | 3 | ODOR | | | | 17.02 | 39.41 | | |
| C-5 | 2 | | | | | 16.98 | 44.00 | | |
| C-6 | 2 | | | | | 27.92 | 54.48 | | |
| C-7 | 2 | | | | | 25.30 | 54.31 | | |
| C-8 | 2 | | | | | 26.30 | 56.33 | | |
| C-9 | 2 | | | | | 26.15 | 45.12 | | |
| | | | | | | | | | |
| | | | | | | | | | |
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# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 980623-M2 | Station #: 9-0076 |
| Sampler: MW | Date: 6/23 |
| Well I.D.: C-1 | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth: 39.17 | Depth to Water: 10.22 |
| 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 | radius² * 0.163 |

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

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

10.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 32.1 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1610 | 70.2 | 7.2 | 880 | 11 | ODOR |
| 1612 | 70.1 | 7.0 | 900 | 22 | " |
| 1614 | 70.1 | 7.0 | 900 | 32.5 | " |
| | | | | | |
| | | | | | |

| | |
|---|---|
| Did well dewater? Yes (No) | Gallons actually evacuated: 32.5 |
| Sampling Time: C-1 | Sampling Date: 6/23 |
| Sample I.D.: 1615 | Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs |
| Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D | Other: |
| Duplicate I.D.: | 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 |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 980623-m2 | Station #: 9-0076 |
| Sampler: MW | Date: 6/23 |
| Well I.D.: C-2 | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth: 36.30 | Depth to Water: 14.82 |
| 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 | radius² * 0.163 |

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

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

7.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 23.8 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1630 | 70.1 | 6.8 | 700 | 8 | ODOR / Sheen |
| 1631 | 70.1 | 6.8 | 680 | 16 | " |
| 1632 | 7.01 | 6.8 | 680 | 24 | " |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes No | Gallons actually evacuated: 24 | | |
| Sampling Time: 1635 | Sampling Date: 6/23 | | |
| Sample I.D.: C-2 | Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs | | |
| Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D | Other: | | |
| Duplicate I.D.: | 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 |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 980623-MZ | Station #: 9-0076 |
| Sampler: MW | Date: 6/23 |
| Well I.D.: C-3 | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth: 39.32 | Depth to Water: 19.04 |
| 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 | radius² * 0.163 |

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

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

7.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 22.5 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1550 | 70.0 | 6.8 | 460 | 7.5 | |
| 1551 | 70.1 | 6.8 | 500 | 15 | |
| 1552 | 70.1 | 6.8 | 500 | 22.5 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No)
Gallons actually evacuated: 22.5

Sampling Time: 1555
Sampling Date: 6/23

Sample I.D.: C-3
Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

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

Duplicate I.D.:
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 |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 980623-M2 | Station #: 9-0076 |
| Sampler: MW | Date: 6/23 |
| Well I.D.: C-4 | Well Diameter: 2 (3) 4 6 8 ___ |
| Total Well Depth: 39.41 | Depth to Water: 17.02 |
| 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 | radius² * 0.163 |

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

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

8.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 24.8 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1650 | 70.0 | 7.0 | 640 | 8.5 | BDOR/Sheen |
| 1651 | 70.1 | 7.0 | 650 | 17 | " |
| 1653 | 70.1 | 7.0 | 650 | 25 | " |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 25 | |
| Sampling Time: 1655 | | Sampling Date: 6/23 | |
| Sample I.D.: C-4 | | Laboratory: Sequoia GTEL N. Creek Assoc. Labs | |
| Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D | | Other: | |
| Duplicate I.D.: | | 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 |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 980623-MZ | Station #: 9-0076 |
| Sampler: MW | Date: 6/23 |
| Well I.D.: C-6 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth: 54.48 | Depth to Water: 27.92 |
| 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 | radius² * 0.163 |

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

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

4.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 12.7 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1525 | 70.2 | 7.0 | 680 | 4.5 | |
| 1529 | 70.1 | 7.0 | 680 | 9 | |
| 1534 | 70.0 | 7.0 | 660 | 13 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 13

Sampling Time: 1540 Sampling Date: 6/23

Sample I.D.: C-6 Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

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

Duplicate I.D.: 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 |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 980623-M2 | Station #: 9-0076 |
| Sampler: MW | Date: 6/23 |
| Well I.D.: C-7 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth: 54.31 | Depth to Water: 25.3 |
| 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 | radius² * 0.163 |

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

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

4.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 13.9 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1500 | 70.2 | 6.8 | 680 | 5 | |
| 1505 | 70.2 | 6.8 | 700 | 10 | |
| 1509 | 70.2 | 6.8 | 700 | 14 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 14

Sampling Time: 1516 Sampling Date: 6/23

Sample I.D.: C-7 Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

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

Duplicate I.D.: 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 |