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Chevron

ST 0 1629

February 11, 1998

**Chevron Products Company**
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 6004
San Ramon, CA 94583-0904

**Marketing – Sales West**
Phone 510 842-9500

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

**Re: Chevron Service Station #9-6607**
**2340 Otis Drive, Alameda, California**

Dear Mr. Peacock:

Enclosed is the First 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. Monitoring wells MW-1 and M-2 are sampled quarterly and analyzed for all of the constituents, while wells MW-3 and MW-4 are sampled annually (first quarter), but measured for groundwater depth quarterly.

Concentration of the benzene constituent detected in monitoring well MW-1 remained the same from the previous sampling event, while declining in well MW-2 to below method detection limits. No concentrations of BTEX constituents were detected in well MW-3 while in well MW-4 the concentrations were below method detection limits for all constituents.

Depth to groundwater varied from 3.45 feet to 4.75 feet below grade, with a direction of flow varying northeasterly and southwesterly from well MW-2 to wells MW-1 and MW-3 respectively.

If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
**CHEVRON PRODUCTS COMPANY**

Philip R. Briggs
Site Assessment and Remediation Project Manger

Enclosure

cc. Mr. Wayne Weber
Chevron Station # 9-6607
2340 Otis Drive
Alameda, CA 94501

Harsh Investment Corp.
523 West Plaza
South Shore Center
Alameda, CA 94501

Mr. Bill Scudder, Chevron

BLAINE
TECH SERVICES, inc.

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

February 9, 1998

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

**1st Quarter 1998 Monitoring at 9-6607**

First Quarter 1997 Groundwater Monitoring at
Chevron Service Station Number 9-6607
2340 Otis Drive
Alameda, CA

Monitoring Performed on January 8, 1998

Groundwater Sampling Report **980108-G-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

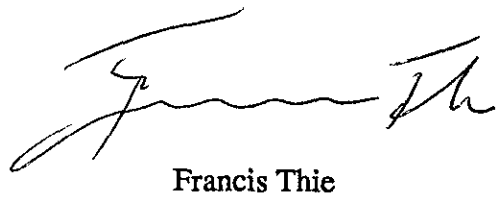
also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix.**

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,

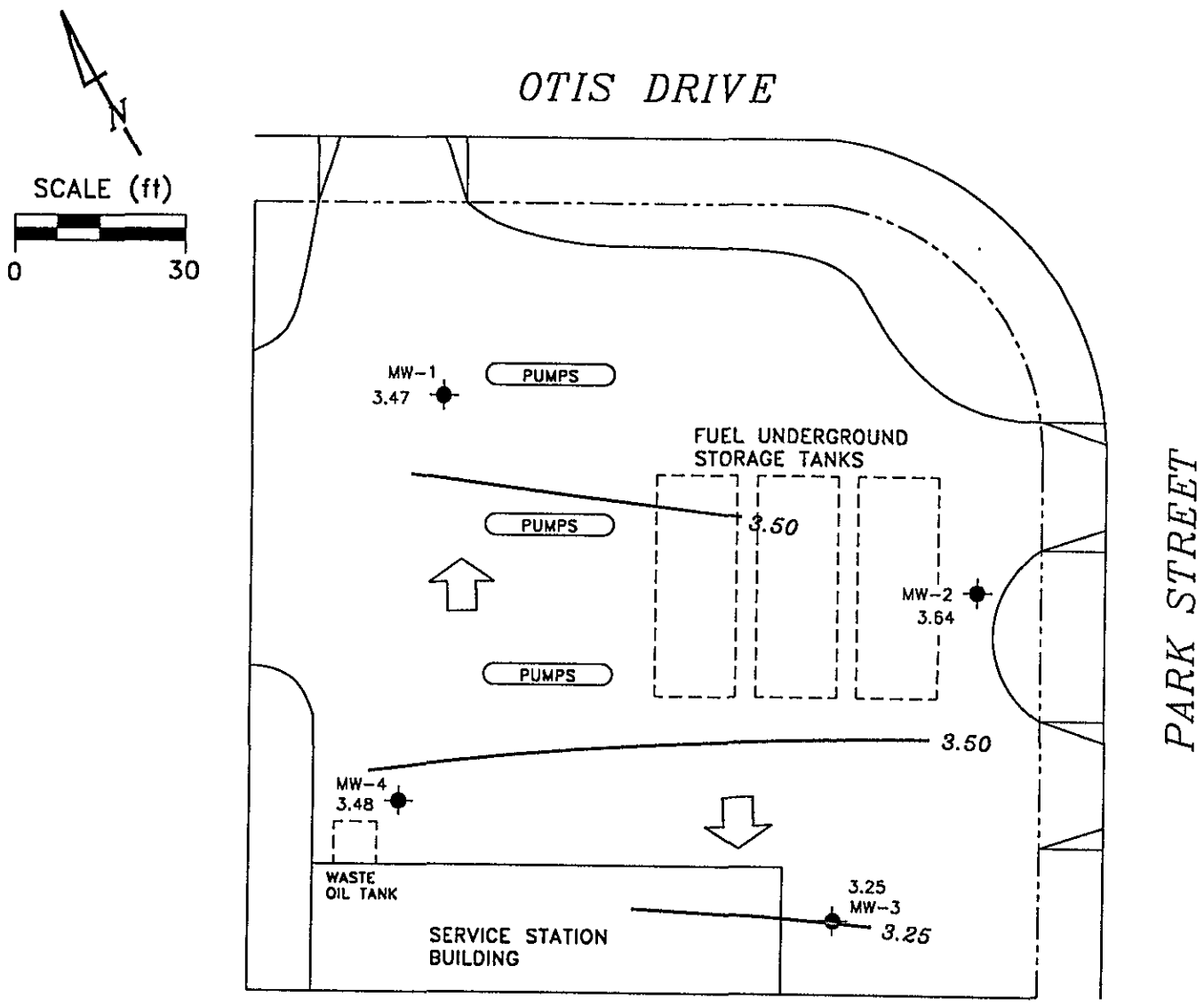


Francis Thie
Vice President

FPT/ew

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

# Professional Engineering Appendix




EXPLANATION

- MONITORING WELL
- 3.48 GROUNDWATER ELEVATION (FT, MSL)
- 3.50 GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.006

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No 4976
STATE OF CALIFORNIA

Basemap from Cambria Environmental Technology, Inc.

PREPARED BY
RRM
engineering contracting firm

**Chevron Station 9-6607**
2340 Otis Drive
Alameda, California

**GROUNDWATER ELEVATION CONTOUR MAP, JANUARY 8, 1998**

FIGURE: 1
PROJECT: DAC04

# Table of
# Well Data and
# Analytical Results

# Cumulative Table of Well Data and Analytical Results

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

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | | | |
| 08/21/91 | 7.12 | 1.02 | 6.10 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/09/92 | 7.12 | 3.16 | 3.96 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 04/20/92 | 7.12 | 3.22 | 3.90 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/25/92 | 7.12 | 2.94 | 4.18 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 11/24/92 | 7.12 | 2.40 | 4.72 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/21/93 | 7.12 | 3.94 | 3.18 | -- | <50 | <0.5 | 0.7 | <0.5 | 1.0 | -- | -- | -- | -- | -- |
| 04/13/93 | 7.12 | 3.42 | 3.70 | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | -- | -- | -- | -- | -- |
| 07/14/93 | 7.12 | 2.91 | 4.21 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/26/93 | 7.12 | 2.84 | 4.28 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/94 | 7.12 | 2.96 | 4.16 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | 7.12 | 3.24 | 3.88 | -- | <50 | <0.5 | 0.6 | <0.5 | 0.7 | -- | -- | -- | -- | -- |
| 07/14/94 | 7.12 | 4.12 | 3.00 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/12/94 | 7.12 | 2.87 | 4.25 | -- | 80 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 121 | <5.0-<50 | -- |
| 01/11/95 | 7.12 | 4.00 | 3.12 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 130 | -- | -- |
| 04/05/95 | 7.12 | 3.66 | 3.46 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 170 | -- | <5.0 |
| 07/13/95 | 7.12 | 3.13 | 3.99 | -- | <125 | <1.2 | <1.2 | <1.2 | <1.2 | -- | -- | 400 | -- | -- |
| 10/05/95 | 7.12 | 2.74 | 4.38 | -- | <50 | <0.5 | 2.3 | 0.66 | 4.0 | -- | -- | 300 | -- | -- |
| 10/03/96 | 7.12 | 2.68 | 4.44 | -- | <50 | 0.63 | <0.5 | <0.5 | <0.5 | -- | -- | 560 | -- | -- |
| 01/22/97 | 7.12 | 3.73 | 3.39 | -- | <200 | <2.0 | <2.0 | <2.0 | <2.0 | -- | -- | 530 | -- | -- |
| 01/22/97 | 7.12 | 3.73 | 3.39 | Confirmation run | -- | -- | -- | -- | -- | -- | -- | 880 | -- | -- |
| 04/09/97 | 6.92* | 3.22 | 3.70 | -- | <125 | <1.2 | <1.2 | <1.2 | <1.2 | -- | -- | 610 | -- | -- |
| 07/09/97 | 6.92 | 3.05 | 3.87 | -- | 240 | 47 | <2.0 | <2.0 | <2.0 | -- | -- | 990 | -- | -- |
| 10/16/97 | 6.92 | 2.95 | 3.97 | -- | 250 | <2.0 | <2.0 | <2.0 | <2.0 | -- | -- | 1000 | -- | -- |
| 01/08/98 | 6.92 | 3.47 | 3.45 | -- | <200 | <2.0 | <2.0 | <2.0 | <2.0 | -- | -- | ** | -- | -- |

* Wellhead elevation altered due to maintenance.
** No value for MTBE could be determined; see lab report.

# Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-2** | | | | | | | | | | | | | | |
| 08/21/91 | 7.43 | 1.03 | 6.40 | -- | 430 | 170 | 0.9 | 1.0 | 3.6 | -- | -- | -- | -- | -- |
| 01/09/92 | 7.43 | 3.20 | 4.23 | -- | 58 | 16 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 04/20/92 | 7.43 | 3.26 | 4.17 | -- | 180 | 9.6 | <0.5 | 0.8 | <0.5 | -- | -- | -- | -- | -- |
| 07/25/92 | 7.43 | 2.96 | 4.47 | -- | 220 | 8.0 | 0.7 | 4.0 | 8.6 | -- | -- | -- | -- | -- |
| 11/24/92 | 7.43 | 1.61 | 5.82 | -- | 72 | 3.2 | <0.5 | 0.5 | 0.6 | -- | -- | -- | -- | -- |
| 01/21/93 | 7.43 | 4.08 | 3.35 | -- | <50 | 0.8 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 04/13/93 | 7.43 | 3.41 | 4.02 | -- | 78 | <0.5 | <0.5 | <0.5 | 0.6 | -- | -- | -- | -- | -- |
| 07/14/93 | 7.43 | 2.94 | 4.49 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/26/93 | 7.43 | 2.87 | 4.56 | -- | <50 | <0.5 | 0.9 | <0.5 | 0.6 | -- | -- | -- | -- | -- |
| 01/11/94 | 7.43 | 3.04 | 4.39 | -- | <50 | <0.5 | 1.0 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | 7.43 | 3.25 | 4.18 | -- | <50 | 0.5 | <0.5 | <0.5 | 0.8 | -- | -- | -- | -- | -- |
| 07/14/94 | 7.43 | 2.53 | 4.90 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.6 | -- | -- | -- | -- | -- |
| 10/12/94 | 7.43 | 2.89 | 4.54 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 2900 | <50-<500 | -- |
| 01/11/95 | 7.43 | 4.17 | 3.26 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 2500 | -- | -- |
| 04/05/95 | 7.43 | 3.78 | 3.65 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.0 | -- | <5.0 |
| 07/13/95 | 7.43 | 3.12 | 4.31 | -- | <250 | <2.5 | <2.5 | <2.5 | <2.5 | -- | -- | 1100 | -- | -- |
| 10/05/95 | 7.43 | 2.75 | 4.68 | -- | <50 | <0.5 | 1.9 | 0.54 | 3.4 | -- | -- | 280 | -- | -- |
| 10/03/96 | 7.43 | 2.63 | 4.80 | -- | <500 | <5.0 | <5.0 | <5.0 | <5.0 | -- | -- | 1000 | -- | -- |
| 01/22/97 | 7.43 | 4.07 | 3.36 | -- | 540* | <5.0 | <5.0 | <5.0 | <5.0 | -- | -- | 1300 | -- | -- |
| 01/22/97 | 7.43 | 4.07 | 3.36 | Confirmation run | -- | -- | -- | -- | -- | -- | -- | 1600 | -- | -- |
| 04/09/97 | 7.43 | 3.18 | 4.25 | -- | <500 | <5.0 | <5.0 | <5.0 | <5.0 | -- | -- | 970 | -- | -- |
| 07/09/97 | 7.43 | 2.95 | 4.48 | -- | <125 | <1.2 | <1.2 | <1.2 | <1.2 | -- | -- | 710 | -- | -- |
| 10/16/97 | 7.43 | 2.99 | 4.44 | -- | <100 | <1.0 | <1.0 | <1.0 | <1.0 | -- | -- | 1000 | -- | -- |
| 01/08/98 | 7.43 | 3.64 | 3.79 | -- | 68 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | ** | -- | -- |

* Chromatogram pattern indicates an unidentified hydrocarbon.
** No value for MTBE could be determined; see lab report.

# Cumulative Table of Well Data and Analytical Results

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

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3** | | | | | | | | | | | | | | |
| 08/21/91 | 8.07 | 0.97 | 7.10 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/09/92 | 8.07 | 3.04 | 5.03 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 04/20/92 | 8.07 | 3.16 | 4.91 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/25/92 | 8.07 | 2.73 | 5.34 | -- | <50 | 1.0 | 1.0 | 1.0 | 3.4 | -- | -- | -- | -- | -- |
| 11/24/92 | 8.07 | 3.07 | 5.00 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/21/93 | 8.07 | 3.73 | 4.34 | -- | <50 | <0.5 | 0.5 | <0.5 | 1.0 | -- | -- | -- | -- | -- |
| 04/13/93 | 8.07 | 3.23 | 4.84 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.6 | -- | -- | -- | -- | -- |
| 07/14/93 | 8.07 | 2.78 | 5.29 | -- | <50 | <0.5 | <0.5 | <0.5 | 2.0 | -- | -- | -- | -- | -- |
| 10/26/93 | 8.07 | 2.71 | 5.36 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/94 | 8.07 | 2.85 | 5.22 | -- | <50 | <0.5 | 1.0 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | 8.07 | 3.08 | 4.99 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/14/94 | 8.07 | 2.71 | 5.36 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/12/94 | 8.07 | 3.05 | 5.02 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/95 | 8.07 | 3.72 | 4.35 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.7 | -- | -- | <5.0 | -- | -- |
| 04/05/95 | 8.07 | 5.43 | 2.64 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <5.0 | -- | <5.0 |
| 07/13/95 | 8.07 | 2.94 | 5.13 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/05/95 | 8.07 | 2.61 | 5.46 | -- | <50 | <0.5 | 1.2 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/03/96 | 8.07 | 2.54 | 5.53 | -- | <50 | 0.98 | 1.2 | 0.53 | 2.5 | -- | -- | <2.5 | -- | -- |
| 01/22/97 | 8.07 | 3.45 | 4.62 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 04/09/97 | 8.00* | 2.95 | 5.05 | Sampled annually | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/09/97 | 8.00 | 2.86 | 5.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/97 | 8.00 | 2.80 | 5.20 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 01/08/98 | 8.00 | 3.25 | 4.75 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 9.3 | -- | -- |

* Wellhead elevation altered due to maintenance.

# Cumulative Table of Well Data and Analytical Results

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

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4** | | | | | | | | | | | | | | |
| 08/21/91 | 7.85 | 1.00 | 6.85 | -- | <50 | 0.6 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 01/09/92 | 7.85 | 3.15 | 4.70 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 04/20/92 | 7.85 | 3.21 | 4.64 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 07/25/92 | 7.85 | 2.90 | 4.95 | -- | <50 | 0.5 | 1.1 | <0.5 | 0.8 | -- | 78 | -- | -- | -- |
| 11/24/92 | 7.85 | 2.43 | 5.42 | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | <5000 | -- | -- | -- | -- |
| 01/21/93 | 7.85 | 3.78 | 4.07 | -- | <50 | <0.5 | 0.5 | <0.5 | 0.7 | -- | <10 | -- | -- | -- |
| 04/13/93 | 7.85 | 3.40 | 4.45 | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | -- | <10 | -- | -- | -- |
| 07/14/93 | 7.85 | 2.95 | 4.90 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/26/93 | 7.85 | 2.90 | 4.95 | -- | <50 | 2.0 | 3.0 | 2.0 | 3.0 | -- | -- | -- | -- | -- |
| 01/11/94 | 7.85 | 3.08 | 4.77 | -- | <50 | <0.5 | 0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | 7.85 | 3.20 | 4.65 | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | -- | -- | -- | -- | -- |
| 07/14/94 | 7.85 | 2.80 | 5.05 | -- | <50 | 0.9 | 1.2 | <0.5 | 2.0 | -- | -- | -- | -- | -- |
| 10/12/94 | 7.85 | 2.97 | 4.88 | -- | <50 | <0.5 | 0.9 | <0.5 | 0.7 | -- | -- | -- | -- | -- |
| 01/11/95 | 7.85 | 3.85 | 4.00 | -- | <50 | <0.5 | 0.8 | 0.7 | 1.5 | -- | -- | <5.0 | -- | -- |
| 04/05/95 | 7.85 | 3.63 | 4.22 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | <2.0 | <5.0 | -- |
| 07/13/95 | 7.85 | 3.14 | 4.71 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/05/95 | 7.85 | 2.83 | 5.02 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/03/96 | 7.85 | 2.77 | 5.08 | -- | 100 | 5.5 | 5.6 | 2.5 | 12 | -- | -- | <2.5 | -- | -- |
| 01/22/97 | 7.85 | 3.57 | 4.28 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 04/09/97 | 7.85 | 3.25 | 4.60 | Sampled annually | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/09/97 | 7.85 | 3.06 | 4.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/97 | 7.85 | 3.04 | 4.81 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 2.7 | -- | -- |
| 01/08/98 | 7.85 | 3.48 | 4.37 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |

# Cumulative Table of Well Data and Analytical Results

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

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TRIP BLANK** | | | | | | | | | | | | | | |
| 01/21/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 04/13/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/14/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/26/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/14/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/12/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 04/05/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/13/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/05/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/03/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/22/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 04/09/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 07/09/97 | | | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 10/16/97 | | | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 01/08/98 | | | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on April 5, 1995. Earlier field data and analytical results provided by Sierra Environmental.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
TOG = Total Oil and Grease
MTBE = Methyltertiary butylether
VOC = Volatile Organic Compound

# 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, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-6607/980108-G2 | Sampled: 01/08/98 |
| 1680 Rogers Avenue | Sample Descript: MW-1 | Received: 01/09/98 |
| San Jose, CA 95112 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 01/21/98 |
| Attention: Fran Thie | Lab Number: 9801375-01 | Reported: 01/23/98 |

*QC Batch Number: GC012198BTEX06A*
Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 200 | N.D. |
| **Methyl t-Butyl Ether** | **10** | - |
| Benzene | 2.0 | N.D. |
| Toluene | 2.0 | N.D. |
| Ethyl Benzene | 2.0 | N.D. |
| Xylenes (Total) | 2.0 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 104 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-6607/980108-G2 | Sampled: 01/08/98 |
| 1680 Rogers Avenue | Sample Descript: MW-2 | Received: 01/09/98 |
| San Jose, CA 95112 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 01/21/98 |
| Attention: Fran Thie | Lab Number: 9801375-02 | Reported: 01/23/98 |

QC Batch Number: GC012198BTEX06A
Instrument ID: GCHP06

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **50** | **68** |
| **Methyl t-Butyl Ether** | **2.5** | **-** |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: | | |
| **Discrete Peaks** | | **C6-C7** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 107 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-6607/980108-G2 | Sampled: 01/08/98 |
| 1680 Rogers Avenue | Sample Descript: MW-3 | Received: 01/09/98 |
| San Jose, CA 95112 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 01/20/98 |
| Attention: Fran Thie | Lab Number: 9801375-03 | Reported: 01/23/98 |

QC Batch Number: GC012098BTEX18A
Instrument ID: GCHP18

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | N.D. |
| **Methyl t-Butyl Ether** | **2.5** | **9.3** |
| 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 | 76 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Tech Services | Client Proj. ID: Chevron 9-6607/980108-G2 | Sampled: 01/08/98 |
| 1680 Rogers Avenue | Sample Descript: MW-4 | Received: 01/09/98 |
| San Jose, CA 95112 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 01/20/98 |
| Attention: Fran Thie | Lab Number: 9801375-04 | Reported: 01/23/98 |

QC Batch Number: GC012098BTEX18A
Instrument ID: GCHP18

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| 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 | 75 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-6607/980108-G2
Sample Descript: TB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9801375-05

Sampled: 01/08/98
Received: 01/09/98

Analyzed: 01/20/98
Reported: 01/23/98

QC Batch Number: GC012098BTEX18A
Instrument ID: GCHP18

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| 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 | 75 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Chevron 9-6607 / 980108-G2
Matrix: Liquid
Work Order #: 9801375 -01-02
Reported: Jan 26, 1998

## QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes | Gas |
|---|---|---|---|---|---|
| QC Batch#: | GC012198BTEX06A | GC012198BTEX06A | GC012198BTEX06A | GC012198BTEX06A | GC012198BTEX06A |
| 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: | R. Geckler | R. Geckler | R. Geckler | R. Geckler | R. Geckler |
| MS/MSD #: | 980132904 | 980132904 | 980132904 | 980132904 | 980132904 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 1/21/98 | 1/21/98 | 1/21/98 | 1/21/98 | 1/21/98 |
| Analyzed Date: | 1/21/98 | 1/21/98 | 1/21/98 | 1/21/98 | 1/21/98 |
| Instrument I.D.#: | GCHP6 | GCHP6 | GCHP6 | GCHP6 | GCHP6 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L | 60 µg/L |
| Result: | 11 | 11 | 11 | 32 | 60 |
| MS % Recovery: | 110 | 110 | 110 | 107 | 100 |
| Dup. Result: | 10 | 10 | 10 | 31 | 57 |
| MSD % Recov.: | 100 | 100 | 100 | 103 | 95 |
| RPD: | 9.5 | 9.5 | 9.5 | 3.2 | 5.1 |
| RPD Limit: | 0-25 | 0-25 | 0-25 | 0-25 | 0-25 |
| LCS #: | BLK012198 | BLK012198 | BLK012198 | BLK012198 | BLK012198 |
| Prepared Date: | 1/21/98 | 1/21/98 | 1/21/98 | 1/21/98 | 1/21/98 |
| Analyzed Date: | 1/21/98 | 1/21/98 | 1/21/98 | 1/21/98 | 1/21/98 |
| Instrument I.D.#: | GCHP6 | GCHP6 | GCHP6 | GCHP6 | GCHP6 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L | 60 µg/L |
| LCS Result: | 12 | 12 | 13 | 39 | 69 |
| LCS % Recov.: | 120 | 120 | 130 | 130 | 115 |
| MS/MSD Control Limits | 60-140 | 60-140 | 60-140 | 60-140 | 60-140 |
| LCS Control Limits | 70-130 | 70-130 | 70-130 | 70-130 | 70-130 |

SEQUOIA ANALYTICAL

Peggy Penner
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

Sequoia Analytical

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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Chevron 9-6607 / 980108-G2
Matrix: Liquid
Work Order #: 9801375-03-05
Reported: Jan 26, 1998

## QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes | Gas |
|---|---|---|---|---|---|
| QC Batch#: | GC012098BTEX18A | GC012098BTEX18A | GC012098BTEX18A | GC012098BTEX18A | GC012098BTEX18A |
| 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: | R. Geckler | R. Geckler | R. Geckler | R. Geckler | R. Geckler |
| MS/MSD #: | 980129804 | 980129804 | 980129804 | 980129804 | 980129804 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 1/20/98 | 1/20/98 | 1/20/98 | 1/20/98 | 1/20/98 |
| Analyzed Date: | 1/20/98 | 1/20/98 | 1/20/98 | 1/20/98 | 1/20/98 |
| Instrument I.D.#: | GCHP18 | GCHP18 | GCHP18 | GCHP18 | GCHP18 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L | 60 µg/L |
| Result: | 8.3 | 8.1 | 8.0 | 25 | 56 |
| MS % Recovery: | 83 | 81 | 80 | 83 | 93 |
| Dup. Result: | 8.2 | 8.0 | 8.0 | 25 | 56 |
| MSD % Recov.: | 82 | 80 | 80 | 83 | 93 |
| RPD: | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| RPD Limit: | 0-25 | 0-25 | 0-25 | 0-25 | 0-25 |
| LCS #: | BLK012098 | BLK012098 | BLK012098 | BLK012098 | BLK012098 |
| Prepared Date: | 1/20/98 | 1/20/98 | 1/20/98 | 1/20/98 | 1/20/98 |
| Analyzed Date: | 1/20/98 | 1/20/98 | 1/20/98 | 1/20/98 | 1/20/98 |
| Instrument I.D.#: | GCHP18 | GCHP18 | GCHP18 | GCHP18 | GCHP18 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L | 60 µg/L |
| LCS Result: | 9.6 | 9.7 | 9.7 | 30 | 66 |
| LCS % Recov.: | 96 | 97 | 97 | 100 | 110 |
| MS/MSD Control Limits | 60-140 | 60-140 | 60-140 | 60-140 | 60-140 |
| LCS Control Limits | 70-130 | 70-130 | 70-130 | 70-130 | 70-130 |

SEQUOIA ANALYTICAL

Peggy Penner
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

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Proj. ID: Chevron 9-6607/980108-G2

Lab Proj. ID: 9801375

Received: 01/09/98

Reported: 01/23/98

## LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 2 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9801375-01 was diluted 4-fold.

MTBE Note: No MTBE result could be determained for samples 9801375-01 and -02 due to co-elution with early eluting compounds.

**SEQUOIA ANALYTICAL**

Peggy Penner
Project Manager

Fax copy of Lab Report and COC to Chevron Contact: ☐ No

# Chain-of-Custody-Recor

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

Chevron Facility Number: 9-6607
Facility Address: 2340 Otis Dr., Alameda, CA
Consultant Project Number: 980108-62
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: 9032410
Samples Collected by (Name): Morgan Gillies
Collection Date: 1/8/98
Signature:

980137S

| Sample Number | Lab Sample Number | Number of Containers | Matrix S = Soil W = Water A = Air C = Charcoal | Type G = Grab C = Composite D = Discrete | Time | Sample Preservation | Iced (Yes or No) | Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015) | 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 (ICP or AA) | MTBE | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 1 | 3 | W | | 1452 | HCL | Yes | X | | | | | | | | X | | | | | |
| MW-2 | 2 | ↓ | ↓ | | 1424 | ↓ | ↓ | X | | | | | | | | X | | | | | |
| MW-3 | 3 | | | | 1344 | | | X | | | | | | | | X | | | | | |
| MW-4 | 4 | | | | 1408 | | | X | | | | | | | | X | | | | | |
| TB | 5 | 2 | ↓ | | | ↓ | ↓ | X | | | | | | | | X | | | | | |

DO NOT BILL FOR TB-LB

| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
|---|---|---|---|---|---|
| | BTS | 1/9 10:45 | | Sequoia | 10:45 1/9/98 |
| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
| | | 1/9/98 | | | |
| Relinquished By (Signature) | Organization | Date/Time | Received For Laboratory By (Signature) | | Date/Time |
| | | | Jeri Dennis | | 1/9/98 1257 |

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

# Field
# Data
# Sheets

# WELL GAUGING DATA

Project # 980108-G2 Date 1/8/98 Client Chevron 9-6607

Site 2340 Otis St., Alameda, CA

| Well I.D. | Well Size (in.) | Sheen/ Odor | Depth to Immiscible Liquid (feet) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to Water (feet) | Depth to Well Bottom (feet) | Survey Point: TOB or TOC |
|---|---|---|---|---|---|---|---|---|
| MW-1 | 4 | | | | | 3.45 | 22.89 | TOC |
| MW-2 | 4 | | | | | 3.79 | 23.27 | |
| MW-3 | 4 | | | | | 4.75 | 23.36 | |
| MW-4 | 4 | | | | | 4.37 | 20.20 | |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 980108-62 | Station #: 9-6607 |
| Sampler: MG | Date: 1/8/98 |
| Well I.D.: MW-1 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 22.89 | Depth to Water: 3.45 |
| 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
- X Disposable Bailer
- Extraction Port
- Other: _____

12.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 37.8 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1493 | 65.4 | 7.6 | 1300 | 13 | |
| 1445 | 65.0 | 7.5 | 1300 | 26 | |
| 1447 | 65.2 | 7.5 | 1300 | 39 | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 39 | |
| Sampling Time: 1452 | | Sampling Date: 1/8/98 | |
| Sample I.D.: MW-1 | | 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 #: 980108-G2 | Station #: 9-6607 |
| Sampler: MG | Date: 1/8/98 |
| Well I.D.: MW-2 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 23.27 | Depth to Water: 3.79 |
| 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
- X Disposable Bailer
- Extraction Port
- Other: _____

12.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 38.1 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1416 | 63.8 | 7.7 | 1200 | 13 | |
| 1418 | 63.6 | 7.8 | 1000 | 26 | |
| 1420 | 64.0 | 7.8 | 1000 | 39 | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 39 | |
| Sampling Time: 1424 | | Sampling Date: 1/8/98 | |
| Sample I.D.: MW-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 #: 980108-62 | Station #: 9-6607 |
| Sampler: MG | Date: 1/8/98 |
| Well I.D.: MW-3 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 23.36 | Depth to Water: 4.75 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 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
- X Electric Submersible
- Extraction Pump
- Other: ___

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

12.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 36.3 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1334 | 64.8 | 7.2 | 2800 | 13 | |
| 1336 | 66.0 | 7.2 | 2800 | 26 | |
| 1338 | 66.6 | 7.1 | 2800 | 39 | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 39 | |
| Sampling Time: 1344 | | Sampling Date: 1/8/98 | |
| Sample I.D.: MW-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 #: 980108-62 | Station #: 9-6607 |
| Sampler: MG | Date: 1/8/98 |
| Well I.D.: MW-4 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth: 20.20 | Depth to Water: 4.37 |
| 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
- X Disposable Bailer
- Extraction Port
- Other: ___

10.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 30.9 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 1359 | 63.6 | 7.3 | 2400 | 11 | |
| 1401 | 64.0 | 7.3 | 2300 | 22 | |
| 1403 | 63.8 | 7.3 | 2300 | 33 | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 33 | |
| Sampling Time: 1408 | | Sampling Date: 1/8/98 | |
| Sample I.D.: MW-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 | |