ENVIRONMENTAL PROTECTION

97 SEP -3 PM 2:38

Chevron

September 2, 1997

#4249

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

**Re: Former Chevron Service Station # 9-4612**
**3616 San Leandro Street**
**Oakland, California**

Dear Mr. Chan:

Enclosed is the Third Quarter Groundwater Monitoring report for 1997 that was prepared by Blaine Tech Services, Inc. for the above noted site. As noted in the reports, the groundwater samples were analyzed for TPH-g, BTEX and MtBE constituents. Monitoring well MW-3 was also analyzed for the TPH-d constituent.

The benzene constituents in monitoring wells VH-1 and MW-3 increased from the previous sampling event, while the benzene constituent for well MW-2 showed a decrease from the previous sampling event. The BTEX and MtBE constituents were below method detection limits in monitoring well MW-4. The concentration of TPH-d detected in monitoring well MW-3 showed a chromatogram pattern as an unidentified hydrocarbon.

Depth to ground water varied from 10.05 feet to 11.15 feet below grade with the direction of flow varying northwest from MW-4, southwest from well MW-3 and southeast from VH-1.

Chevron will continue to sample quarterly. If you have any questions, call me at (510) 842-9136.

Sincerely,
**CHEVRON PRODUCTS COMPANY**

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Jack Ratto
PO Box 6032
Oakland, CA. 94603

Mr. Terry McIlraith
407 Castello Road
Lafayette, CA 94549

Ms. Bette Owen, Chevron

BLAINE
TECH SERVICES inc.

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

August 25, 1997

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

**3rd Quarter 1997 Monitoring at 9-4612**

Third Quarter 1997 Groundwater Monitoring at
Chevron Service Station Number 9-4612
3616 San Leandro Street
Oakland, CA

Monitoring Performed on July 22, 1997

Groundwater Sampling Report 970722-T-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.

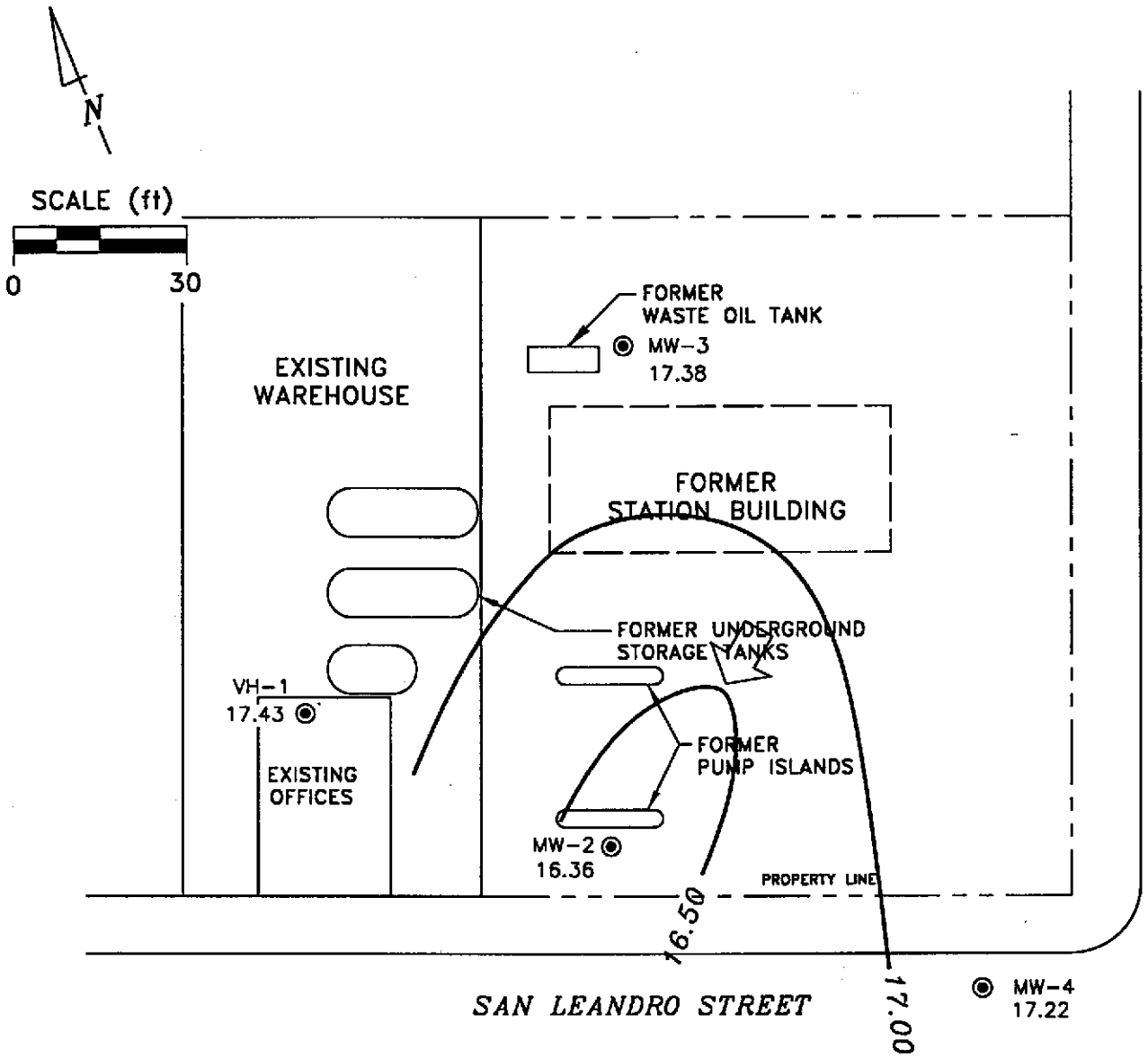
Yours truly,

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 |
| 17.43 | GROUNDWATER ELEVATION (FT, MSL) |
| 17.00 | GROUNDWATER ELEVATION CONTOUR (FT, MSL) |
| ⇩ | APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.02 |

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4976
9/98
STATE OF CALIFORNIA

Basemap from Cambria Environmental Technology, Inc.

PREPARED BY
RRM
engineering contracting firm

**Chevron Station 9-4612**
3616 San Leandro Street
Oakland, California

**GROUNDWATER ELEVATION CONTOUR MAP, JULY 22, 1997**

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 | TPH-Diesel | TOG | HVOC | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **VH-1** | | | | | | | | | | | | | |
| 08/10/88 | -- | -- | 13.00 | -- | 11,000 | 3300 | 200 | 520 | 540 | -- | -- | -- | -- |
| 06/01/89 | -- | -- | 10.32 | -- | 15,000 | 2200 | 120 | 540 | 310 | -- | -- | -- | -- |
| 09/15/89 | -- | -- | 15.69 | -- | 5600 | 1900 | 90 | 350 | 160 | -- | -- | -- | -- |
| 12/08/89 | -- | -- | 14.77 | -- | 11,000 | 1900 | 69 | 270 | 99 | -- | -- | -- | -- |
| 03/07/91 | -- | -- | 11.26 | -- | 4500 | 820 | 39 | 120 | 77 | -- | -- | -- | -- |
| 09/24/91 | -- | -- | 12.98 | -- | 3300 | 520 | 19 | 39 | 27 | -- | -- | -- | -- |
| 01/08/92 | -- | -- | 13.77 | -- | 5000 | 600 | 34 | 81 | 76 | -- | -- | -- | -- |
| 04/20/92 | -- | -- | 8.18 | -- | 7400 | 670 | 60 | 110 | 140 | -- | -- | -- | -- |
| 03/26/93 | 27.85 | 21.14 | 6.71 | -- | 4900 | 600 | 40 | 72 | 94 | -- | -- | -- | -- |
| 05/27/93 | 27.85 | 19.27 | 8.58 | -- | 13,000 | 1600 | 120 | 230 | 220 | -- | -- | -- | -- |
| 08/18/93 | 27.85 | 17.39 | 10.46 | -- | 2700 | 210 | 10 | 8.1 | 18 | -- | -- | -- | -- |
| 11/03/93 | 27.85 | 15.28 | 12.57 | -- | 4600 | 680 | 42 | 35 | 68 | -- | -- | -- | -- |
| 02/10/94 | 27.85 | 18.77 | 9.08 | -- | 1900 | 260 | 19 | 22 | 29 | -- | -- | -- | -- |
| 05/12/94 | 27.85 | 19.76 | 8.09 | -- | 2000 | 390 | 28 | 3.9 | 29 | -- | -- | -- | -- |
| 08/26/94 | 27.85 | 17.10 | 10.75 | -- | 4900 | 500 | <5.0 | 23 | 31 | -- | -- | -- | -- |
| 11/14/94 | 27.85 | 18.40 | 9.45 | -- | 760 | 69 | <2.0 | <2.0 | 2.2 | 300 | -- | -- | -- |
| 02/01/95 | 27.85 | 21.88 | 5.97 | -- | 1300 | 120 | 5.9 | <0.5 | 13 | -- | -- | -- | -- |
| 05/12/95 | 27.85 | 20.14 | 7.71 | -- | 4400 | 460 | 31 | 45 | 49 | -- | -- | -- | -- |
| 08/22/95 | 27.85 | 18.59 | 9.26 | -- | 2900 | 310 | 15 | 28 | 32 | -- | -- | -- | -- |
| 12/19/95 | 27.85 | 19.05 | 8.80 | -- | 930 | 53 | <2.5 | <2.5 | <2.5 | -- | -- | -- | 39 |
| 01/31/96 | 27.85 | 22.35 | 5.50 | -- | 3700 | 320 | <10 | 41 | 40 | -- | -- | -- | 180 |
| 04/30/96 | 27.85 | 19.81 | 8.04 | -- | 3900 | 270 | <20 | <20 | <20 | -- | -- | -- | 120 |
| 08/01/96 | 27.85 | 18.67 | 9.18 | -- | 2700 | 140 | 11 | 18 | 28 | -- | -- | -- | 200 |
| 10/30/96 | 27.85 | 18.67 | 10.76 | -- | 2700 | 140 | <12 | <12 | <12 | -- | -- | -- | 280 |
| 02/07/97 | 27.85 | 19.75 | 8.10 | -- | 220 | 13 | 0.6 | <0.5 | 1.6 | -- | -- | -- | 15 |
| 05/07/97 | 27.85 | 18.33 | 9.52 | -- | 5200 | 33 | 12 | 21 | 26 | -- | -- | -- | 330 |
| 07/22/97 | 27.85 | 17.43 | 10.42 | -- | 4200 | 80 | <10 | 16 | 24 | -- | -- | -- | 400 |

# 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 | TPH-Diesel | TOG | HVOC | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-2** | | | | | | | | | | | | | |
| 02/16/93 | 27.51 | -- | -- | -- | 9200 | 720 | 110 | 250 | 170 | -- | -- | -- | -- |
| 03/26/93 | 27.51 | 19.89 | 7.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/27/93 | 27.51 | 18.04 | 9.47 | -- | 360 | 5.3 | 2.1 | 1.8 | 2.5 | -- | -- | -- | -- |
| 08/18/93 | 27.51 | 16.46 | 11.05 | -- | 9400 | 1100 | 76 | 110 | 100 | -- | -- | -- | -- |
| 11/03/93 | 27.51 | 14.56 | 12.95 | -- | 8600 | 390 | 20 | 2.7 | 120 | -- | -- | -- | -- |
| 02/10/94 | 27.51 | 17.72 | 9.79 | -- | 2700 | 370 | 38 | 44 | 41 | -- | -- | -- | -- |
| 05/12/94 | 27.51 | 18.59 | 8.92 | -- | 3800 | 650 | 76 | 15 | 62 | -- | -- | -- | -- |
| 08/26/94 | 27.51 | 16.14 | 11.37 | -- | 16,000 | 1300 | 270 | 28 | 120 | -- | -- | -- | -- |
| 11/14/94 | 27.51 | 17.48 | 10.03 | -- | 5100 | 390 | 10 | 43 | 27 | -- | -- | -- | -- |
| 02/01/95 | 27.51 | 20.47 | 7.04 | -- | 6900 | 520 | 82 | 170 | 110 | -- | -- | -- | -- |
| 05/12/95 | 27.51 | 18.76 | 8.75 | -- | 7700 | 510 | 83 | 110 | 100 | -- | -- | -- | -- |
| 08/22/95 | 27.51 | 17.35 | 10.16 | -- | 4500 | 220 | 16 | 61 | 47 | -- | -- | -- | -- |
| 12/19/95 | 27.51 | 18.05 | 9.46 | -- | 2900 | 240 | <10 | 19 | 18 | -- | -- | -- | 220 |
| 01/31/96 | 27.51 | 21.91 | 5.60 | -- | 3900 | 320 | 18 | 72 | 39 | -- | -- | -- | <25 |
| 04/30/96 | 27.51 | 18.68 | 8.83 | -- | 5600 | 200 | 36 | 55 | 47 | -- | -- | -- | 170 |
| 08/01/96 | 27.51 | 17.25 | 10.26 | -- | 6200 | 190 | 15 | 62 | 59 | -- | -- | -- | 220 |
| 10/30/96 | 27.51 | 17.25 | 11.48 | -- | 5700 | 190 | <25 | 67 | 36 | -- | -- | -- | 260 |
| 02/07/97 | 27.51 | 18.11 | 9.40 | -- | 8300 | 210 | 34 | 70 | 59 | -- | -- | -- | 330 |
| 05/07/97 | 27.51 | 17.57 | 9.94 | -- | 6900 | 190 | 12 | 38 | 37 | -- | -- | -- | 530 |
| 07/22/97 | 27.51 | 16.36 | 11.15 | -- | 10,000 | 18 | 25 | 62 | 41 | -- | -- | -- | 630 |

# 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 | TPH-Diesel | TOG | HVOC | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3** | | | | | | | | | | | | | |
| 02/16/93 | 28.50 | -- | -- | -- | 3500 | <0.5 | 8.1 | 4.6 | 7.7 | -- | -- | -- | -- |
| 03/26/93 | 28.50 | 21.32 | 7.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 05/27/93 | 28.50 | 19.17 | 9.33 | -- | 4200 | 580 | 84 | 150 | 100 | -- | -- | -- | -- |
| 08/18/93 | 28.50 | 16.50 | 12.00 | -- | 910 | 12 | 3.7 | 6.2 | 3.8 | 1400 | <5000 | ND | -- |
| 11/03/93 | 28.50 | 15.21 | 13.29 | -- | 5300 | 29 | 1.9 | 0.6 | 27 | -- | -- | -- | -- |
| 02/10/94 | 28.50 | 18.87 | 9.63 | -- | 63 | <0.5 | 0.7 | <0.5 | <0.5 | <50 | -- | -- | -- |
| 05/12/94 | 28.50 | 19.73 | 8.77 | -- | <50 | <0.5 | 0.5 | <0.5 | <0.5 | 84 | -- | -- | -- |
| 08/26/94 | 28.50 | 17.08 | 11.42 | -- | 2100 | 12 | <0.5 | 5.0 | 0.5 | -- | -- | -- | -- |
| 11/14/94 | 28.50 | 18.43 | 10.07 | -- | 140 | 0.78 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| 02/01/95 | 28.50 | 22.21 | 6.29 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- | -- |
| 05/12/95 | 28.50 | 20.43 | 8.07 | -- | 330 | 13 | 1.1 | 1.9 | 0.69 | 540* | -- | -- | -- |
| 08/22/95 | 28.50 | 18.55 | 9.95 | -- | 980 | 32 | <1.0 | <1.0 | <1.0 | 550* | -- | -- | -- |
| 12/19/95 | 28.50 | 19.10 | 9.40 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- | <2.5 |
| 01/31/96 | 28.50 | 23.45 | 5.05 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- | <2.5 |
| 04/30/96 | 28.50 | 20.10 | 8.40 | -- | 320 | 2.4 | <0.5 | 0.75 | <0.5 | 240* | -- | -- | 7.8 |
| 08/01/96 | 28.50 | 18.70 | 9.80 | -- | 980 | 9.6 | <0.5 | 0.98 | 2.2 | 470* | -- | -- | 54 |
| 10/30/96 | 28.50 | 18.70 | 11.48 | -- | 2000 | 14 | <10 | <10 | <10 | 760* | -- | -- | 140 |
| 02/07/97 | 28.50 | 19.90 | 8.60 | -- | 200* | <0.5 | <0.5 | <0.5 | <0.5 | 61* | -- | -- | 8.9 |
| 05/07/97 | 28.50 | 19.49 | 9.01 | -- | 3500 | 14 | 3.9 | 3.6 | 8.0 | 550* | -- | -- | 160 |
| 07/22/97 | 28.50 | 17.38 | 11.12 | -- | 3500 | 55 | <10 | <10 | <10 | 800* | -- | -- | 150 |

# 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 | TPH-Diesel | TOG | HVOC | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4** | | | | | | | | | | | | | |
| 08/22/95 | 27.27 | 18.16 | 9.11 | -- | 9600 | 100 | <10 | <10 | <10 | -- | -- | -- | -- |
| 12/19/95 | 27.27 | 18.97 | 8.30 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 01/31/96 | 27.27 | 21.67 | 5.60 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 04/30/96 | 27.27 | 20.27 | 7.00 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 08/01/96 | 27.27 | 18.12 | 9.15 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| 10/30/96 | 27.27 | 18.12 | 10.74 | -- | 110 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 02/07/97 | 27.27 | 19.47 | 7.80 | -- | 80 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | 4.1 |
| 05/07/97 | 27.27 | 21.42 | 5.85 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 07/22/97 | 27.27 | 17.22 | 10.05 | -- | 150 | <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 | TPH-Diesel | TOG | HVOC | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TRIP BLANK** | | | | | | | | | | | | | |
| 05/27/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- | -- | -- | -- |
| 08/18/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | 1400 | <5000 | ND | -- |
| 11/03/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| 02/10/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- | -- |
| 05/12/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 84 | -- | -- | -- |
| 08/26/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| 11/14/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| 02/01/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| 05/12/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| 08/22/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| 12/19/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 01/31/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 04/30/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 08/01/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 10/30/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 02/07/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 05/07/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | <2.5 |
| 07/22/97 | -- | -- | -- | -- | <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 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
TOG = Total Oil & Grease
HVOC = Halogenated Volatile Organic Compounds
MTBE = Methyl t-Butyl Ether

# Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 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 9-4612/970722-T2 | Sampled: 07/22/97 |
| 1680 Rogers Avenue | Sample Descript: VH-1 | Received: 07/23/97 |
| San Jose, CA 95112 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 07/25/97 |
| Attention: Fran Thie | Lab Number: 9707C18-01 | Reported: 08/01/97 |

QC Batch Number: GC072597BTEX02A
Instrument ID: GCHP02

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

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **1000** | **4200** |
| **Methyl t-Butyl Ether** | **50** | **400** |
| **Benzene** | **10** | **80** |
| Toluene | 10 | N.D. |
| **Ethyl Benzene** | **10** | **16** |
| **Xylenes (Total)** | **10** | **24** |
| **Chromatogram Pattern:** | | **Gas** |
| **Unidentified HC** | | **<C8** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 93 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Perrier
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 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 9-4612/970722-T2
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9707C18-02

Sampled: 07/22/97
Received: 07/23/97

Analyzed: 07/29/97
Reported: 08/01/97

QC Batch Number: GC072997BTEX03A
Instrument ID: GCHP03

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

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **1000** | **10000** |
| **Methyl t-Butyl Ether** | **50** | **630** |
| **Benzene** | **10** | **18** |
| **Toluene** | **10** | **25** |
| **Ethyl Benzene** | **10** | **62** |
| **Xylenes (Total)** | **10** | **41** |
| **Chromatogram Pattern:** | | **Gas** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 133 Q |

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, (415) 364-9600, FAX (415) 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 9-4612/970722-T2 | Sampled: 07/22/97 |
| 1680 Rogers Avenue | Sample Descript: MW-3 | Received: 07/23/97 |
| San Jose, CA 95112 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 07/25/97 |
| Attention: Fran Thie | Lab Number: 9707C18-03 | Reported: 08/01/97 |

QC Batch Number: GC072597BTEX02A
Instrument ID: GCHP02

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

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **1000** | **3500** |
| **Methyl t-Butyl Ether** | **50** | **150** |
| **Benzene** | **10** | **55** |
| Toluene | 10 | N.D. |
| Ethyl Benzene | 10 | N.D. |
| Xylenes (Total) | 10 | N.D. |
| **Chromatogram Pattern:** | | **Gas** |
| **Unidentified HC** | | **<C8** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 100 |

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, (415) 364-9600, FAX (415) 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 9-4612/970722-T2 | Sampled: 07/22/97 |
| 1680 Rogers Avenue | Sample Descript: MW-3 | Received: 07/23/97 |
| San Jose, CA 95112 | Matrix: LIQUID | Extracted: 07/25/97 |
| | Analysis Method: EPA 8015 Mod | Analyzed: 07/26/97 |
| Attention: Fran Thie | Lab Number: 9707C18-03 | Reported: 08/01/97 |

QC Batch Number: GC0724970HBPEXB
Instrument ID: GCHP19A

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TEPH as Diesel** | **50** | **800** |
| **Chromatogram Pattern:** | **C9-C24** | **Unidentified HC** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| n-Pentacosane (C25) | 50 | 150 | 84 |

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

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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 9-4612/970722-T2
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9707C18-04

Sampled: 07/22/97
Received: 07/23/97

Analyzed: 07/29/97
Reported: 08/01/97

QC Batch Number: GC072997BTEX03A
Instrument ID: GCHP03

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

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **50** | **150** |
| 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: | | |
| **Unidentified HC** | | **<C8** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 115 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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

| | | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | Client Project ID: | Chevron 9-4612 / 970722-T2 | |
| 1680 Rogers Avenue | Matrix: | Liquid | |
| San Jose, CA 95112 | | | |
| Attention: Fran Thie | Work Order #: | 9707C18 -01 | Reported: Aug 5, 1997 |

# QUALITY CONTROL DATA REPORT

| | |
|---|---|
| **Analyte:** | Diesel |
| **QC Batch#:** | GC0724970HBPEXB |
| **Analy. Method:** | EPA 8015M |
| **Prep. Method:** | EPA 3510 |
| **Analyst:** | B. Sullivan |
| **MS/MSD #:** | BLK072497 |
| **Sample Conc.:** | N.D. |
| **Prepared Date:** | 7/24/97 |
| **Analyzed Date:** | 7/25/97 |
| **Instrument I.D.#:** | GCHP4 |
| **Conc. Spiked:** | 1000 µg/L |
| **Result:** | 820 |
| **MS % Recovery:** | 82 |
| **Dup. Result:** | 950 |
| **MSD % Recov.:** | 95 |
| **RPD:** | 15 |
| **RPD Limit:** | 0-50 |

| | |
|---|---|
| **LCS #:** | BLK072597 |
| **Prepared Date:** | 7/25/97 |
| **Analyzed Date:** | 7/25/97 |
| **Instrument I.D.#:** | GCHP19 |
| **Conc. Spiked:** | 1000 µg/L |
| **LCS Result:** | 770 |
| **LCS % Recov.:** | 77 |

| | |
|---|---|
| **MS/MSD** | 50-150 |
| **LCS** | 60-140 |
| **Control Limits** | |

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, Inc.
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Chevron 9-4612 / 970722-T2
Matrix: Liquid
Work Order #: 9707C18-01, 03, 05

Reported: Aug 5, 1997

## QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes | Gas |
|---|---|---|---|---|---|
| QC Batch#: | GC072597BTEX02A | GC072597BTEX02A | GC072597BTEX02A | GC072597BTEX02A | GC072597BTEX02A |
| 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: | A. Miraftab | A. Miraftab | A. Miraftab | A. Miraftab | A. Miraftab |
| MS/MSD #: | 9707B3802 | 9707B3802 | 9707B3802 | 9707B3802 | 9707B3802 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 7/25/97 | 7/25/97 | 7/25/97 | 7/25/97 | 7/25/97 |
| Analyzed Date: | 7/25/97 | 7/25/97 | 7/25/97 | 7/25/97 | 7/25/97 |
| Instrument I.D.#: | GCHP2 | GCHP2 | GCHP2 | GCHP2 | GCHP2 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L | 60 µg/L |
| Result: | 10 | 9.8 | 9.9 | 30 | 65 |
| MS % Recovery: | 100 | 98 | 99 | 100 | 108 |
| Dup. Result: | 9.4 | 9.2 | 9.4 | 28 | 63 |
| MSD % Recov.: | 94 | 92 | 94 | 93 | 105 |
| RPD: | 6.2 | 6.3 | 5.2 | 6.9 | 3.1 |
| RPD Limit: | 0-25 | 0-25 | 0-25 | 0-25 | 0-25 |
| LCS #: | BLK072597 | BLK072597 | BLK072597 | BLK072597 | BLK072597 |
| Prepared Date: | 7/25/97 | 7/25/97 | 7/25/97 | 7/25/97 | 7/25/97 |
| Analyzed Date: | 7/25/97 | 7/25/97 | 7/25/97 | 7/25/97 | 7/25/97 |
| Instrument I.D.#: | GCHP2 | GCHP2 | GCHP2 | GCHP2 | GCHP2 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L | 60 µg/L |
| LCS Result: | 10 | 9.8 | 10 | 30 | 67 |
| LCS % Recov.: | 100 | 98 | 100 | 100 | 112 |
| 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

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Project Manager

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

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

Client Project ID: Chevron 9-4612 / 970722-T2
Matrix: Liquid
Work Order #: 9707C18-02, 04
Reported: Aug 5, 1997

## QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes | Gas |
|---|---|---|---|---|---|
| QC Batch#: | GC072997BTEX03A | GC072997BTEX03A | GC072997BTEX03A | GC072997BTEX03A | GC072997BTEX03A |
| 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: | D. Jirsa | D. Jirsa | D. Jirsa | D. Jirsa | D. Jirsa |
| MS/MSD #: | 9707B8505 | 9707B8505 | 9707B8505 | 9707B8505 | 9707B8505 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 7/29/97 | 7/29/97 | 7/29/97 | 7/29/97 | 7/29/97 |
| Analyzed Date: | 7/29/97 | 7/29/97 | 7/29/97 | 7/29/97 | 7/29/97 |
| Instrument I.D.#: | GCHP3 | GCHP3 | GCHP3 | GCHP3 | GCHP3 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L | 60 µg/L |
| Result: | 8.8 | 8.7 | 8.8 | 24 | 70 |
| MS % Recovery: | 88 | 87 | 88 | 80 | 117 |
| Dup. Result: | 11 | 8.7 | 8.8 | 25 | 70 |
| MSD % Recov.: | 110 | 87 | 88 | 83 | 117 |
| RPD: | 22 | 0.0 | 0.0 | 4.1 | 0.0 |
| RPD Limit: | 0-25 | 0-25 | 0-25 | 0-25 | 0-25 |
| LCS #: | BLK072997 | BLK072997 | BLK072997 | BLK072997 | BLK072997 |
| Prepared Date: | 7/29/97 | 7/29/97 | 7/29/97 | 7/29/97 | 7/29/97 |
| Analyzed Date: | 7/29/97 | 7/29/97 | 7/29/97 | 7/29/97 | 7/29/97 |
| Instrument I.D.#: | GCHP3 | GCHP3 | GCHP3 | GCHP3 | GCHP3 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L | 60 µg/L |
| LCS Result: | 8.3 | 8.3 | 8.3 | 23 | 66 |
| LCS % Recov.: | 83 | 83 | 83 | 77 | 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

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

Client Proj. ID: Chevron 9-4612/970722-T2

Lab Proj. ID: 9707C18

Received: 07/23/97

Reported: 08/01/97

## 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.).

TPPH Note: Sample 9707C18-01 was diluted 20-fold.
Sample 9707C18-02 was diluted 20-fold.
Sample 9707C18-03 was diluted 20-fold.

**SEQUOIA ANALYTICAL**

Peggy Penner
Project Manager

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ 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 9-4612
Facility Address 3616 San Leandro St., Oakland, CA
Consultant Project Number 970722-T2
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 9034818
Samples Collected by (Name) Mike Toll
Collection Date 7/22/97
Signature [signature]

Analyses To Be Performed 9707 C14

| 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, MTBE (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 (ICAP or AA) | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VH-1 | 1 | 3 | W | | 1225 | HCL | Y | Y | | | | | | | | | | | | | |
| MW-2 | 2 | 3 | | | 1250 | | | Y | | | | | | | | | | | | | |
| MW-3 | 3 | 3 | | | 1305 | | | Y | X | | | | | | | | | | | | |
| MW-4 | 4 | 3 | | | 1200 | | | Y | | | | | | | | | | | | | |
| TB | 5 | 2 | | | | | | Y | | | | | | | | | | | | | |

DO NOT BILL
FOR TB-LB

~~1 23 4 16~~

| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
|---|---|---|---|---|---|
| [signature] | BTS | 7/23/97 1500 | [signature] | SEQUOIA | 7/23/97 1500 |
| [signature] | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
| Relinquished By (Signature) | Organization | Date/Time | Received For Laboratory By (Signature) | | Date/Time |
| | | | Mara Gustis | | 7/24/97 1610 |

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

3.DWG/03 91/HCH

# WELL GAUGING DATA

Project # 970722-T2 Date 7-22-97 Client 9-Alo/2

Site 3611e San Leandro St., Oakland, 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 |
|---|---|---|---|---|---|---|---|---|
| VH-1 | 4 | Odor | | | | 10.42 | 28.31 | TOC |
| MW-2 | 2 | odor | | | | 11.15 | 19.80 | |
| MW-3 | 2 | | | | | 11.12 | 19.70 | |
| MW4 | 2 | | | | | 10.05 | 16.85 | |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 970722-T2 | Station #: 9-4612 |
| Sampler: MT | Date: 7/22 |
| Well I.D.: VH-1 | Well Diameter: 2 3 (4) 6 8 ____ |
| Total Well Depth: 28.31 | Depth to Water: 10.42 |
| 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(X) / Extraction Port / Other: ____

11.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 35.1 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 12:12 | 68.8 | 7.1 | 780 | 12 | Odor |
| 12:14 | 69.2 | 7.1 | 760 | 24 | " |
| 12:17 | 69.8 | 7.0 | 710 | 36 | " |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 36 | |
| Sampling Time: 12:25 | | Sampling Date: 7/22 | |
| Sample I.D.: VH-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 #: 970122-T2 | Station #: 9-4012 |
| Sampler: MT | Date: 7/22 |
| Well I.D.: MW-2 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth: 19.80 | Depth to Water: 11.15 |
| 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 X / Middleburg / Electric Submersible / Extraction Pump / Other: ____

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

1.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.2 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 12:38 | 69.0 | 7.2 | 1100 | 1.5 | odor |
| 12:42 | 69.8 | 7.1 | 1000 | 3 | " |
| 12:45 | 70.0 | 7.1 | 1100 | 4.25 | " |
| | | | | | |
| | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 4.25

Sampling Time: 1250 Sampling Date: 7/22

Sample I.D.: MW2 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 #: 970722-TC | Station #: 9-4612 |
| Sampler: MT | Date: 7/22 |
| Well I.D.: MW-3 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth: 19.70 | Depth to Water: 11.12 |
| 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
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: ____

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

1.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.2 (Calculated Volume) Gals.

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|---|---|---|---|---|---|
| 12:56 | 68.8 | 7.3 | 680 | 1.5 | |
| 12:59 | 68.6 | 7.3 | 660 | 3 | |
| 13:02 | 68.8 | 7.3 | 660 | 4.25 | |
| | | | | | |
| | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: 4.25 | |
| Sampling Time: 13:05 | | Sampling Date: 7/22 | |
| 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 |