Chevron

**Chevron U.S.A. Products Company**
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

**Site Assessment & Remediation Group**
Phone (510) 842-9500

May 22, 1995

Ms. Jennifer Eberle
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Chevron Service Station #9-0121**
**3026 Lakeshore Avenue, Oakland, CA**

Dear Ms. Eberle:

Enclosed is the First Quarter 1995 Groundwater Monitoring report dated April 17, 1995, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), and BTEX. Selected samples were also analyzed for MTBE.

Benzene was detected in monitor wells MW-1, MW-3, and MW-4 at concentrations of 160, 920, and 280 ppb, respectively. MTBE was also detected in these wells. Separate phase hydrocarbons were present in MW-2 at a measured thickness of 0.59 feet. Depth to ground water was measured at 2.2 to 9.8 feet below grade and the center of the site appears to be a high point with ground water flow direction to the west and east.

The Remediation Feasibility Study dated October 4, 1994, prepared by our consultant Pacific Environmental Group, recommended implementing Alternative Points of Compliance (Non-Attainment Areas) at this site. Based on the detection of MTBE in ground water we feel it is inappropriate to implement Non Attainment Areas at this time. how bout FP?

Chevron will continue to monitor and sample all wells at this site on a quarterly basis to determine what impact the recent detection of MTBE may have on ground water. If you have any questions or comments, please feel free to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer

File: 90121Q11

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

April 17, 1995

Mark Miller
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

**1st Quarter 1995 Monitoring at 9-0121**

First Quarter 1995 Groundwater Monitoring at
Chevron Service Station Number 9-0121
3026 Lakeshore Avenue
Oakland, CA

Monitoring Performed on March 24, 1995

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Groundwater Sampling Report **950324-L-1**

This report covers the routine quarterly 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 Chevron's Richmond Refinery 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.

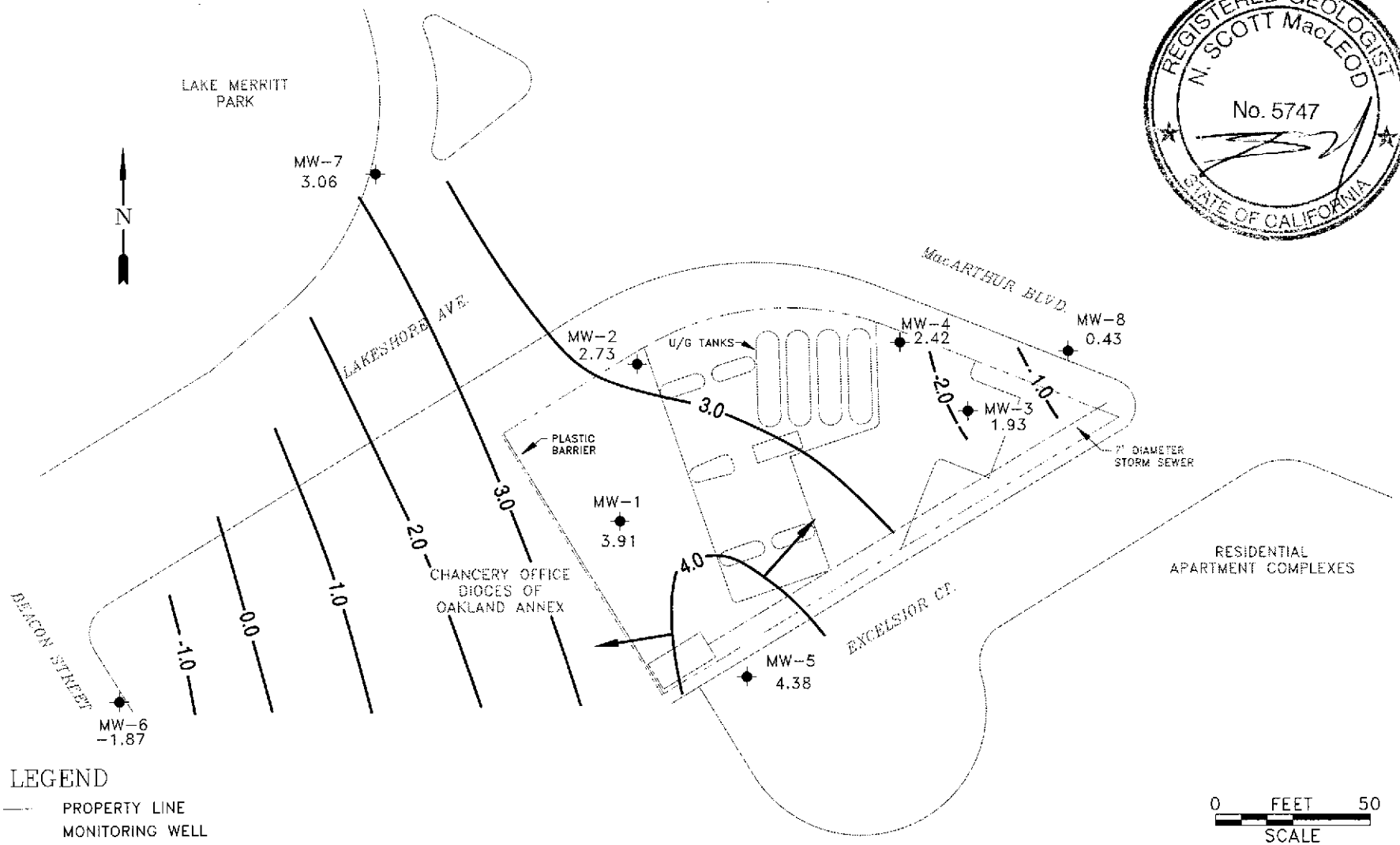
Yours truly,

James Keller
for the Board of Directors

JPK/dk

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

# Professional Engineering Appendix




REGISTERED GEOLOGIST
N. SCOTT MacLEOD
No. 5747
STATE OF CALIFORNIA

LEGEND

- PROPERTY LINE
- MONITORING WELL
- X.XX POTENTIOMETRIC SURFACE ELEVATION (FT)
- NA NOT AVAILABLE
- POTENTIOMETRIC SURFACE CONTOUR
- GROUNDWATER FLOW DIRECTION

0 FEET 50
SCALE

NOTE:
1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS RELATIVE TO MEAN SEA LEVEL.

Base map from Groundwater Technology, Inc.

CAMBRIA
Environmental Technology, Inc.

Chevron Station 9-0121
3026 Lakeshore Avenue
Oakland, California

\CHEVRON\9-0121\0121-QM(1Q95).DWG

Ground Water Elevation
March 24, 1995

FIGURE
1

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | |
| 08/20/91 | 6.82 | 1.62 | 5.20 | -- | 5100 | 1700 | 21 | 220 | 34 | 260 | -- | -- |
| 09/30/91 | 6.82 | 1.15 | 5.67 | Sheen | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/28/91 | 6.82 | 1.50 | 5.30 | Free Product (0.03') | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/08/92 | 6.82 | 1.67 | 5.15 | Sheen | 5400 | 770 | 13 | 95 | 31 | 4400 | -- | -- |
| 01/13/92 | 6.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/23/92 | 6.89 | 1.48 | 5.41 | -- | 7700 | 1500 | 40 | 230 | 100 | 2000 | -- | -- |
| 08/24/92 | 6.89 | 1.12 | 5.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | 6.89 | 1.00 | 5.89 | -- | 3500 | 1700 | 28 | 190 | 78 | <50 | -- | -- |
| 10/26/92 | 6.89 | 0.95 | 5.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | 6.89 | 2.18 | 4.71 | -- | 60,000 | 7100 | 240 | 2000 | 1300 | 5500 | -- | -- |
| 01/08/93 | 6.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | 6.89 | 2.17 | 4.72 | -- | 530 | 1100 | 41 | 67 | 79 | <10 | -- | -- |
| 06/11/93 | 6.89 | 5.37 | 5.07 | -- | 7000 | 1900 | 33 | 120 | 69 | -- | 840 | 9600 |
| 09/29/93 | 6.89 | 1.13 | 5.76 | -- | 6600 | 1600 | 28 | 43 | 74 | <10 | -- | -- |
| 12/20/93 | 6.89 | 1.74 | 5.15 | -- | 6300 | 1900 | 36 | 82 | 65 | <10 | -- | -- |
| 03/07/94 | 6.89 | 2.21 | 4.68 | -- | 7700 | 1100 | 55 | 66 | 38 | <10 | -- | 12,000 |
| 06/17/94 | 6.89 | 1.83 | 5.06 | -- | 4300 | 710 | 12 | 90 | 38 | 2200 | -- | -- |
| 09/12/94 | 6.89 | 1.24 | 5.65 | -- | 6400 | 1500 | <25 | 180 | <25 | 2500 | -- | 12,000 |
| 11/30/94 | 6.89 | 2.32 | 4.57 | -- | 4900 | 690 | 26 | 97 | 60 | 2300* | -- | 3900 |
| **03/24/95** | 6.89 | 3.91 ↑ | 2.98 | -- | 1800 ↓ | 160 ↓ | 7.3 | 11 | 14 | 1400** ↓ | -- | 1300 ↓ |

* Chromatogram pattern indicates a non-diesel mix.
** Chromatogram pattern indicates an unidentified hydrocarbon.

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-2** | | | | | | | | | | | | |
| 08/20/91 | 6.27 | 1.92 | 4.35 | -- | 9300 | 3700 | 55 | 530 | 75 | 600 | -- | -- |
| 09/30/91 | 6.27 | 1.28 | 4.99 | -- | 3500 | 2600 | 47 | 440 | 68 | -- | -- | -- |
| 10/28/91 | 6.27 | 1.36 | 4.91 | -- | 4600 | 1800 | 29 | 290 | 53 | -- | -- | -- |
| 01/08/92 | 6.27 | 1.63 | 4.64 | Sheen | 14,000 | 4300 | 70 | <25 | 130 | -- | -- | -- |
| 01/13/92 | 6.27 | -- | -- | -- | -- | -- | -- | -- | -- | 38,000 | -- | -- |
| 06/23/92 | 6.27 | 1.63 | 4.64 | Free Product (0.02') | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/24/92 | 6.27 | 1.34 | 4.94 | Free Product (0.02') | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | 6.27 | 1.20 | 5.08 | Free Product (0.01') | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/26/92 | 6.27 | 0.34 | 5.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | 6.27 | -- | -- | -- | 21,000 | 5400 | 59 | 1300 | 160 | 160,000 | -- | -- |
| 01/08/93 | 6.27 | 2.57 | 3.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | 6.27 | 2.89 | 3.38 | Sheen | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/11/93 | 6.27 | 2.09 | 4.18 | -- | 5900 | 1100 | 23 | 240 | 51 | -- | 2300 | -- |
| 09/29/93 | 6.27 | 0.07 | 6.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/20/93 | 6.27 | 1.94 | 4.35 | Free Product (0.02') | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/07/94 | 6.27 | 2.60 | 3.67 | -- | 26,000 | 5700 | 170 | 1000 | 150 | <10 | -- | -- |
| 06/17/94 | 6.27 | 2.25 | 4.02 | Sheen | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/12/94 | 6.27 | 1.45 | 4.83 | Free Product (0.01') | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/30/94 | 6.27 | 2.27 | 4.00 | Inaccessible | -- | -- | -- | -- | -- | -- | -- | -- |
| **03/24/95** | 6.27 | 2.73 ↑ | 4.01 | **Free Product (0.59')** | -- | -- | -- | -- | -- | -- | -- | -- |

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-3** | | | | | | | | | | | | |
| 08/20/91 | 8.71 | 0.26 | 8.45 | -- | 3100 | 200 | 13 | 15 | 12 | 200 | -- | -- |
| 09/30/91 | 8.71 | -0.03 | 8.74 | -- | 1000 | 150 | 8.3 | 13 | 6.7 | -- | -- | -- |
| 10/28/91 | 8.71 | -0.05 | 8.76 | -- | 1200 | 120 | 6.7 | 11 | 7.5 | -- | -- | -- |
| 01/08/92 | 8.71 | -0.06 | 8.77 | -- | 410 | 120 | 0.9 | 4.1 | 3.4 | -- | -- | -- |
| 01/13/92 | 8.71 | -- | -- | -- | -- | -- | -- | -- | -- | 220 | -- | -- |
| 06/23/92 | 8.71 | 0.03 | 8.68 | -- | 630 | 43 | 0.8 | 8.2 | 3.4 | <50 | -- | -- |
| 08/24/92 | 8.71 | -0.14 | 8.85 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | 8.71 | -0.23 | 8.94 | -- | 1800 | 730 | 1.4 | 66 | 39 | <50 | -- | -- |
| 10/26/92 | 8.71 | -0.36 | 9.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | 8.71 | -- | -- | -- | 840 | 270 | 3.4 | 15 | 4.2 | 850 | -- | -- |
| 01/08/93 | 8.71 | 1.02 | 7.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | 8.71 | 0.97 | 7.74 | -- | 760 | 270 | 4.0 | 10 | 5.0 | <10 | -- | -- |
| 06/11/93 | 8.71 | 0.19 | 8.52 | -- | 200 | 32 | 1.0 | 5.0 | 2.0 | -- | 5600 | -- |
| 09/29/93 | 8.71 | 2.66 | 6.05 | -- | 9300 | 2800 | 60 | 270 | 62 | -- | -- | -- |
| 12/20/93 | 8.71 | -0.12 | 8.83 | -- | 460 | 250 | 4.0 | 8.0 | 4.0 | <10 | -- | -- |
| 03/07/94 | 8.71 | 0.64 | 8.07 | -- | 2400 | 260 | 13 | 35 | 18 | <10 | -- | -- |
| 06/17/94 | 8.71 | 0.19 | 8.52 | -- | 1000 | 200 | 4.0 | 6.6 | 6.7 | <50 | -- | -- |
| 09/12/94 | 8.71 | -0.21 | 8.92 | -- | 360 | 130 | 3.4 | 4.8 | 3.3 | <50 | -- | 130 |
| 11/30/94 | 8.71 | 0.58 | 8.13 | Inaccessible | -- | -- | -- | -- | -- | -- | -- | -- |
| **03/24/95** | 8.71 | 1.93 | 6.78 | -- | 4100 | 920 | <10 | 23 | <10 | 1200* | -- | 70 |

* Chromatogram pattern indicates an unidentified hydrocarbon.

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-4** | | | | | | | | | | | | |
| 08/20/91 | 7.37 | 1.32 | 5.05 | -- | 1800 | 870 | 4.0 | 3.0 | 9.0 | 160 | -- | -- |
| 09/30/91 | 7.37 | 1.70 | 5.67 | -- | 670 | 830 | 5.5 | 2.7 | 12 | -- | -- | -- |
| 10/28/91 | 7.37 | 1.56 | 5.81 | -- | 2800 | 990 | 5.8 | 4.8 | 19 | -- | -- | -- |
| 01/08/92 | 7.37 | 2.03 | 5.34 | -- | 2900 | 1200 | 10 | 7.0 | 18 | -- | -- | -- |
| 01/13/92 | 7.37 | -- | -- | -- | -- | -- | -- | -- | -- | 1000 | -- | -- |
| 06/23/92 | 7.37 | 2.00 | 5.37 | -- | 1600 | 380 | 6.5 | 3.0 | 12 | <50 | -- | -- |
| 08/24/92 | 7.37 | 1.62 | 5.75 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | 7.37 | 1.42 | 5.95 | -- | 1200 | 480 | 5.6 | 3.7 | 11 | <50 | -- | -- |
| 10/26/92 | 7.37 | 1.41 | 5.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | 7.37 | -- | -- | -- | 1500 | 700 | 3.6 | 3.2 | 11 | 1800 | -- | -- |
| 01/08/93 | 7.37 | 2.73 | 4.64 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | 7.37 | 2.95 | 4.42 | -- | 520 | 160 | 3.0 | 1.0 | 4.0 | <10 | -- | -- |
| 06/11/93 | 7.37 | 2.25 | 5.12 | -- | 1200 | 430 | 5.0 | 6.0 | 11 | -- | 2600 | -- |
| 09/29/93 | 7.37 | 1.57 | 5.80 | -- | 1300 | 210 | 8.0 | 2.0 | 14 | -- | -- | -- |
| 12/20/93 | 7.37 | 2.27 | 5.10 | -- | 570 | 230 | 5.0 | 4.0 | 8.0 | 3900 | -- | -- |
| 03/07/94 | 7.37 | 2.36 | 5.01 | -- | 2200 | 290 | 18 | 2.5 | 11 | 2600 | -- | 22,000 |
| 06/17/94 | 7.37 | 1.55 | 5.82 | -- | 2100 | 480 | 11 | 4.3 | 9.5 | 2800 | -- | -- |
| 09/12/94 | 7.37 | 1.73 | 5.64 | -- | 1700 | 340 | 6.1 | 2.7 | 9.7 | 3000 | -- | 63,000 |
| 11/30/94 | 7.37 | 1.79 | 5.58 | Inaccessible | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/24/95 | 7.37 | 2.42 ↑ | 4.95 | -- | 1500 ↓ | 280 ↓ | <5.0 ↓ | <5.0 | 6.9 | 3000* — | -- | 12,000 ↓ |

* Chromatogram pattern indicates an unidentified hydrocarbon.

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-5** | | | | | | | | | | | | |
| 06/23/92 | 14.14 | 1.90 | 12.24 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |
| 08/24/92 | 14.14 | 1.85 | 12.29 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | 14.14 | 1.68 | 12.46 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 60 | -- | -- |
| 10/26/92 | 14.14 | 1.62 | 12.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | 14.14 | 3.02 | 11.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/08/93 | 14.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | 14.14 | 4.40 | 9.74 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.9 | <10 | -- | -- |
| 06/11/93 | 14.14 | 3.70 | 10.44 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | 770 | -- |
| 09/29/93 | 14.14 | 2.22 | 11.92 | -- | <50 | <0.5 | 0.6 | <0.5 | 0.6 | <10 | -- | -- |
| 12/20/93 | 14.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/07/94 | 14.14 | 2.80 | 11.34 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | -- | -- |
| 06/17/94 | 14.14 | 2.87 | 11.27 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |
| 09/12/94 | 14.14 | 1.28 | 12.86 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | <5.0 |
| 11/30/94 | 14.14 | 2.23 | 11.91 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 99* | -- | -- |
| **03/24/95** | 14.14 | 4.38 | 9.76 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |

* Chromatogram pattern indicates a non-diesel mix.

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-6** | | | | | | | | | | | | |
| 06/23/92 | 4.46 | -0.68 | 5.14 | -- | <50 | 4.3 | <0.5 | 0.8 | 0.9 | 120 | -- | -- |
| 08/24/92 | 4.46 | -0.49 | 4.95 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | 4.46 | -0.44 | 4.90 | -- | <250 | <2.5 | <2.5 | <2.5 | <2.5 | <50 | -- | -- |
| 10/26/92 | 4.46 | -1.06 | 5.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | 4.46 | -0.94 | 5.40 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 81 | -- | -- |
| 01/08/93 | 4.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | 4.46 | -1.64 | 6.10 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.7 | <10 | -- | -- |
| 06/11/93 | 4.46 | -2.10 | 6.56 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | 15,000 | -- |
| 09/29/93 | 4.46 | -0.71 | 5.17 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | -- | -- |
| 12/20/93 | 4.46 | -1.47 | 5.93 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | -- | -- |
| 03/07/94 | 4.46 | -0.81 | 5.27 | -- | 54 | <0.5 | <0.5 | <0.5 | 0.6 | <10 | -- | -- |
| 06/17/94 | 4.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/12/94 | 4.46 | -0.64 | 5.10 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | <50 |
| 11/30/94 | 4.46 | -1.12 | 5.58 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 800* | -- | -- |
| **03/24/95** | 4.46 | -1.87 | 6.33 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 490** | -- | -- |

* Chromatogram pattern indicates a non-diesel mix.
** Chromatogram pattern indicates an unidentified hydrocarbon.

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-7** | | | | | | | | | | | | |
| 06/23/92 | 5.26 | 0.88 | 4.38 | -- | <50 | 4.7 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |
| 08/24/92 | 5.26 | -0.29 | 5.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | 5.26 | -0.39 | 5.65 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |
| 10/26/92 | 5.26 | -0.25 | 5.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | 5.26 | 1.31 | 3.95 | -- | <50 | 2.9 | <0.5 | <0.5 | <0.5 | 60 | -- | -- |
| 01/08/93 | 5.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | 5.26 | 2.76 | 2.50 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | -- | -- |
| 06/11/93 | 5.26 | 1.80 | 3.46 | -- | <50 | 0.6 | <0.5 | <0.5 | <0.5 | -- | 2200 | -- |
| 09/29/93 | 5.26 | -0.26 | 5.52 | -- | <50 | 2.0 | 1.0 | 1.0 | 7.0 | <10 | -- | -- |
| 12/20/93 | 5.26 | 0.85 | 4.41 | -- | <50 | 2.0 | <0.5 | <0.5 | <0.5 | <10 | -- | -- |
| 03/07/94 | 5.26 | 2.64 | 2.62 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | -- | -- |
| 06/17/94 | 5.26 | 1.99 | 3.27 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |
| 09/12/94 | 5.26 | 1.15 | 4.11 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | <5.0 |
| 11/30/94 | 5.26 | 2.50 | 2.76 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 92* | -- | -- |
| **03/24/95** | 5.26 | 3.06 ↑ | 2.20 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |

* Chromatogram pattern indicates a non-diesel mix.

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-8** | | | | | | | | | | | | |
| 06/23/92 | 8.94 | -15.20 | 24.14 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |
| 08/24/92 | 8.94 | 0.34 | 8.60 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | 8.94 | 0.55 | 8.39 | -- | 94 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |
| 10/26/92 | 8.94 | -0.18 | 9.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | 8.94 | 0.83 | 8.11 | -- | <50 | 0.7 | 5.0 | 0.7 | 2.9 | 79 | -- | -- |
| 01/08/93 | 8.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | 8.94 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/11/93 | 8.94 | 0.55 | 8.39 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | 3500 | -- |
| 09/29/93 | 8.94 | 0.69 | 8.25 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | -- | -- |
| 12/20/93 | 8.94 | 0.48 | 8.46 | -- | <50 | <0.5 | 0.6 | <0.5 | 1.0 | <10 | -- | -- |
| 03/07/94 | 8.94 | 0.28 | 8.66 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | -- | -- |
| 06/17/94 | 8.94 | 0.12 | 8.82 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <50 | -- | -- |
| 09/12/94 | 8.94 | 0.11 | 8.83 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.8 | <50 | -- | <5.0 |
| 11/30/94 | 8.94 | 0.31 | 8.63 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 120* | -- | -- |
| **03/24/95** | 8.94 | 0.43 | 8.51 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 110** | -- | -- |

* Chromatogram pattern indicates a non-diesel mix.
** Chromatogram pattern indicates an unidentified hydrocarbon.

# 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 | TDS | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TRIP BLANK** | | | | | | | | | | | | |
| 08/24/92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/21/92 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 10/26/92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12/23/92 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 01/08/93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/25/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 06/11/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 09/29/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 12/20/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 03/07/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 06/17/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 09/12/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | -- | -- | -- |
| 11/30/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| 03/24/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |

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
TDS = Total Dissolved Solids
MTBE = Methyl-tert-butyl ether

# Analytical Appendix

Sequoia Analytical

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

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW1 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | Extracted: 03/28/95 |
| | Analysis Method: EPA 8015 Mod | Analyzed: 03/30/95 |
| Attention: Jim Keller | Lab Number: 9503J26-01 | Reported: 04/03/95 |

QC Batch Number: GC0328950HBPEXZ
Instrument ID: GCHP5B

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TEPH as Diesel** | **50** | **1400** |
| Chromatogram Pattern: | | |
| **Unidentified HC** | | **C9-C24** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| n-Pentacosane (C25) | 50 | 150 | 126 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-0121, 950324-L1
Sample Descript: MW1
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9503J26-01

Sampled: 03/24/95
Received: 03/27/95

Analyzed: 03/31/95
Reported: 04/03/95

QC Batch Number: GC033195BTEX07A
Instrument ID: GCHP-07

## Methyl t-Butyl Ether (MTBE)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **Methyl t-Butyl Ether** | 12 | 1300 |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 95 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-0121, 950324-L1
Sample Descript: MW1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9503J26-01

Sampled: 03/24/95
Received: 03/27/95

Analyzed: 03/31/95
Reported: 04/03/95

QC Batch Number: GC033195BTEX07A
Instrument ID: GCHP-07

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | 250 | 1800 |
| **Benzene** | 2.5 | 160 |
| **Toluene** | 2.5 | 7.3 |
| **Ethyl Benzene** | 2.5 | 11 |
| **Xylenes (Total)** | 2.5 | 14 |
| Chromatogram Pattern: | | |
| **Gas & Unidentified HC** | | +<C8 |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 95 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW3 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | Extracted: 03/28/95 |
| | Analysis Method: EPA 8015 Mod | Analyzed: 03/30/95 |
| Attention: Jim Keller | Lab Number: 9503J26-02 | Reported: 04/03/95 |

QC Batch Number: GC0328950HBPEXZ
Instrument ID: GCHP5B

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TEPH as Diesel** | 50 | **1200** |
| Chromatogram Pattern: | | |
| **Unidentified HC** | | **C9-C24** |

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

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-0121, 950324-L1
Sample Descript: MW3
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9503J26-02

Sampled: 03/24/95
Received: 03/27/95

Analyzed: 03/31/95
Reported: 04/03/95

QC Batch Number: GC033195BTEX07A
Instrument ID: GCHP07

## Methyl t-Butyl Ether (MTBE)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **Methyl t-Butyl Ether** | 50 | 70 |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 99 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW3 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 03/31/95 |
| Attention: Jim Keller | Lab Number: 9503J26-02 | Reported: 04/03/95 |

QC Batch Number: GC033195BTEX07A
Instrument ID: GCHP07

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **1000** | **4100** |
| **Benzene** | **10** | **920** |
| Toluene | 10 | N.D. |
| **Ethyl Benzene** | **10** | **23** |
| Xylenes (Total) | 10 | N.D. |
| Chromatogram Pattern: | | |
| **Gas & Unidentified HC** | | **+ < C8** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 99 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-0121, 950324-L1
Sample Descript: MW4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9503J26-03

Sampled: 03/24/95
Received: 03/27/95
Extracted: 03/28/95
Analyzed: 03/31/95
Reported: 04/03/95

QC Batch Number: GC0328950HBPEXZ
Instrument ID: GCHP4A

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TEPH as Diesel** | **250** | **3000** |
| Chromatogram Pattern: **Unidentified HC** | | **C9-C24** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| n-Pentacosane (C25) | 50 | 150 | 77 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin
Project Manager

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| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW4 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: EPA 8020 | Analyzed: 03/31/95 |
| Attention: Jim Keller | Lab Number: 9503J26-03 | Reported: 04/03/95 |

QC Batch Number: GC033195BTEX07A
Instrument ID: GCHP07

## Methyl t-Butyl Ether (MTBE)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **Methyl t-Butyl Ether** | **25** | **12000** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 91 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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Blaine Technical Services
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San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-0121, 950324-L1
Sample Descript: MW4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9503J26-03

Sampled: 03/24/95
Received: 03/27/95

Analyzed: 03/31/95
Reported: 04/03/95

QC Batch Number: GC033195BTEX07A
Instrument ID: GCH07

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **500** | **1500** |
| **Benzene** | **5.0** | **280** |
| Toluene | 5.0 | N.D. |
| Ethyl Benzene | 5.0 | N.D. |
| **Xylenes (Total)** | **5.0** | **6.9** |
| Chromatogram Pattern: | | |
| **Gas & Unidentified HC** | | **+ < C8** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 91 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW5 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | Extracted: 03/28/95 |
| | Analysis Method: EPA 8015 Mod | Analyzed: 03/30/95 |
| Attention: Jim Keller | Lab Number: 9503J26-04 | Reported: 04/03/95 |

QC Batch Number: GC0328950HBPEXZ
Instrument ID: GCHP5B

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TEPH as Diesel | 50 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| n-Pentacosane (C25) | 50 | 150 | 105 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Shin
Project Manager

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-0121, 950324-L1
Sample Descript: MW5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9503J26-04

Sampled: 03/24/95
Received: 03/27/95

Analyzed: 03/29/95
Reported: 04/03/95

QC Batch Number: GC032995BTEX02A
Instrument ID: GCHP02

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | 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 | 95 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW6 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | Extracted: 03/28/95 |
| | Analysis Method: EPA 8015 Mod | Analyzed: 03/30/95 |
| Attention: Jim Keller | Lab Number: 9503J26-05 | Reported: 04/03/95 |

QC Batch Number: GC0328950HBPEXZ
Instrument ID: GCHP5B

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TEPH as Diesel** | **50** | **490** |
| Chromatogram Pattern: | | |
| **Unidentified HC** | | **C9-C24** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| n-Pentacosane (C25) | 50 | 150 | 92 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

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Project Manager

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-0121, 950324-L1
Sample Descript: MW6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9503J26-05

Sampled: 03/24/95
Received: 03/27/95

Analyzed: 03/29/95
Reported: 04/03/95

QC Batch Number: GC032995BTEX02A
Instrument ID: GCHP02

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | 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 | 88 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Ghin
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| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW7 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | Extracted: 03/28/95 |
| | Analysis Method: EPA 8015 Mod | Analyzed: 03/30/95 |
| Attention: Jim Keller | Lab Number: 9503J26-06 | Reported: 04/03/95 |

QC Batch Number: GC0328950HBPEXZ
Instrument ID: GCHP5B

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TEPH as Diesel | 50 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| n-Pentacosane (C25) | 50 | 150 | 99 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin
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 Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW7 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 03/29/95 |
| Attention: Jim Keller | Lab Number: 9503J26-06 | Reported: 04/03/95 |

QC Batch Number: GC032995BTEX02A
Instrument ID: GCHP02

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | 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 | 92 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW8 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | Extracted: 03/28/95 |
| | Analysis Method: EPA 8015 Mod | Analyzed: 03/30/95 |
| Attention: Jim Keller | Lab Number: 9503J26-07 | Reported: 04/03/95 |

QC Batch Number: GC0328950HBPEXZ
Instrument ID: GCHP4B

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TEPH as Diesel** | **50** | **110** |
| Chromatogram Pattern: | | |
| **Unidentified HC** | | **C9-C24** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| n-Pentacosane (C25) | 50 | 150 | 110 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: MW8 | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 03/29/95 |
| Attention: Jim Keller | Lab Number: 9503J26-07 | Reported: 04/03/95 |

QC Batch Number: GC032995BTEX02A
Instrument ID: GCHP02

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | 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 | 80 |

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin
Project Manager

Sequoia Analytical

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

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Sampled: 03/24/95 |
| 985 Timothy Drive | Sample Descript: TB | Received: 03/27/95 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 03/30/95 |
| Attention: Jim Keller | Lab Number: 9503J26-08 | Reported: 04/03/95 |

QC Batch Number: GC032995BTEX02A
Instrument ID: GCHP02

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | 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

Suzanne Chin
Project Manager

Sequoia Analytical

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

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-0121, 950324-L1 | Received: 03/27/95 |
| 985 Timothy Drive | | |
| San Jose, CA 95133 | Lab Proj. ID: 9503J26 | Reported: 04/03/95 |
| Attention: Jim Keller | | |

## LABORATORY NARRATIVE

TPPH Note: Sample 9503J26-01 diluted 5-fold.
Sample 9503J26-02 diluted 20-fold.
Sample 9503J26-03 diluted 10-fold.
TEPH Note: Sample 9503J26-03 diluted 5-fold.

**SEQUOIA ANALYTICAL**

Suzanne Chin
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.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron 9-0121, 950324-L1
Matrix: Liquid
Work Order #: 9503J26 -01-07
Reported: Apr 5, 1995

# QUALITY CONTROL DATA REPORT

| | |
|---|---|
| **Analyte:** | Diesel |
| **QC Batch#:** | GC0328950HBPEXZ |
| **Analy. Method:** | EPA 8015M |
| **Prep. Method:** | EPA 3520 |
| **Analyst:** | B. Ali |
| **MS/MSD #:** | 9503I3403 |
| **Sample Conc.:** | N.D. |
| **Prepared Date:** | 3/28/95 |
| **Analyzed Date:** | 3/30/95 |
| **Instrument I.D.#:** | GCHP5 |
| **Conc. Spiked:** | 600 µg/L |
| **Result:** | 490 |
| **MS % Recovery:** | 82 |
| **Dup. Result:** | 470 |
| **MSD % Recov.:** | 78 |
| **RPD:** | 4.2 |
| **RPD Limit:** | 0-50 |

| | |
|---|---|
| **LCS #:** | - |
| **Prepared Date:** | - |
| **Analyzed Date:** | - |
| **Instrument I.D.#:** | - |
| **Conc. Spiked:** | - |
| **LCS Result:** | - |
| **LCS % Recov.:** | - |

| | |
|---|---|
| **MS/MSD LCS Control Limits** | 38-122 |

**SEQUOIA ANALYTICAL**

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

| | | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | Client Project ID: | Chevron 9-0121, 950324-L1 | |
| 985 Timothy Drive | Matrix: | Liquid | |
| San Jose, CA 95133 | | | |
| Attention: Jim Keller | Work Order #: | 9503J26-01-03 | Reported: Apr 5, 1995 |

# QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes |
|---|---|---|---|---|
| QC Batch#: | GC033095BTEX07A | GC033095BTEX07A | GC033095BTEX07A | GC033095BTEX07A |
| Analy. Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Prep. Method: | EPA 5030 | EPA 5030 | EPA 5030 | EPA 5030 |
| Analyst: | T. Granicher | T. Granicher | T. Granicher | T. Granicher |
| MS/MSD #: | 9503I1604 | 9503I1604 | 9503I1604 | 9503I1604 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 3/31/95 | 3/31/95 | 3/31/95 | 3/31/95 |
| Analyzed Date: | 3/31/95 | 3/31/95 | 3/31/95 | 3/31/95 |
| Instrument I.D.#: | GCHP7 | GCHP7 | GCHP7 | GCHP7 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L |
| Result: | 10 | 10 | 10 | 30 |
| MS % Recovery: | 100 | 100 | 100 | 100 |
| Dup. Result: | 10 | 10 | 10 | 29 |
| MSD % Recov.: | 100 | 100 | 100 | 97 |
| RPD: | 0.0 | 0.0 | 0.0 | 3.4 |
| RPD Limit: | 0-50 | 0-50 | 0-50 | 0-50 |
| LCS #: | - | - | - | - |
| Prepared Date: | - | - | - | - |
| Analyzed Date: | - | - | - | - |
| Instrument I.D.#: | - | - | - | - |
| Conc. Spiked: | - | - | - | - |
| LCS Result: | - | - | - | - |
| LCS % Recov.: | - | - | - | - |
| MS/MSD LCS Control Limits | 71-133 | 72-128 | 72-130 | 71-120 |

SEQUOIA ANALYTICAL

Suzanne Chin
Project Manager

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

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

Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron 9-0121, 950324-L1
Matrix: Liquid
Work Order #: 9503J26-04-08

Reported: Apr 5, 1995

# QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes |
|---|---|---|---|---|
| QC Batch#: | GC032995BTEX02A | GC032995BTEX02A | GC032995BTEX02A | GC032995BTEX02A |
| Analy. Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Prep. Method: | EPA 5030 | EPA 5030 | EPA 5030 | EPA 5030 |
| Analyst: | J. Minkel | J. Minkel | J. Minkel | J. Minkel |
| MS/MSD #: | 9503E0206 | 9503E0206 | 9503E0206 | 9503E0206 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 3/29/95 | 3/29/95 | 3/29/95 | 3/29/95 |
| Analyzed Date: | 3/29/95 | 3/29/95 | 3/29/95 | 3/29/95 |
| Instrument I.D.#: | GCHP2 | GCHP2 | GCHP2 | GCHP2 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L |
| Result: | 10 | 10 | 10 | 31 |
| MS % Recovery: | 100 | 100 | 100 | 103 |
| Dup. Result: | 9.6 | 9.7 | 9.7 | 29 |
| MSD % Recov.: | 96 | 97 | 97 | 97 |
| RPD: | 4.1 | 3.0 | 3.0 | 6.7 |
| RPD Limit: | 0-50 | 0-50 | 0-50 | 0-50 |
| LCS #: | - | - | - | - |
| Prepared Date: | - | - | - | - |
| Analyzed Date: | - | - | - | - |
| Instrument I.D.#: | - | - | - | - |
| Conc. Spiked: | - | - | - | - |
| LCS Result: | - | - | - | - |
| LCS % Recov.: | - | - | - | - |
| MS/MSD LCS Control Limits | 71-133 | 72-128 | 72-130 | 71-120 |

SEQUOIA ANALYTICAL

Suzanne Chin
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

Fax copy of Lab Report and COC to Chevron Contact: LJ 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: 9-0121
Facility Address: 3026 Lakeshore Ave., Oakland, CA
Consultant Project Number: 950324-L1
Consultant Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name): Jim Keller
(Phone) 408 995-5535 (Fax Number) 408 293-8773

Chevron Contact (Name): Mark Miller
(Phone): (510) 842-8134
Laboratory Name: Sequoia
Laboratory Release Number: 2172440
Samples Collected by (Name): LAD B OLVER
Collection Date: 3-24-95
Signature: [signature]

| 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) | 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 (ICAP or AA) | MTBE | | | | | DO NOT BILL FOR TB-LB 950324 Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW 1 | | 5 | W | D | 1315 | HCL | Y | ✓ | ✓ | | | | | | | ✓ | | | | | 01 AE |
| MW 3 | | 4 | | | 1205 | | | ✓ | ✓ | | | | | | | ✓ | | | | | 02 AD |
| MW 4 | | 4 | | | 1250 | | | ✓ | ✓ | | | | | | | ✓ | | | | | 03 ↓ |
| MW 5 | | 5 | | | 1047 | | | ✓ | ✓ | | | | | | | | | | | | 04 AE |
| MW 6 | | 5 | | | 1015 | | | ✓ | ✓ | | | | | | | | | | | | 05 |
| MW 7 | | 5 | | | 945 | | | ✓ | ✓ | | | | | | | | | | | | 06 |
| MW 8 | | 5 | | | 1135 | | | ✓ | ✓ | | | | | | | | | | | | 07 |
| TB | | 2 | ↓ | ↓ | | ↓ | ↓ | ✓ | | | | | | | | | | | | | 08 AD |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |

| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
|---|---|---|---|---|---|
| [signature] | BTS | 3/27/95 9355 | [signature] | Sequoia | 3/27/95 |
| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
| [signature] | Sequoia | 3/27 1615 | | | |
| Relinquished By (Signature) | Organization | Date/Time | Received For Laboratory By (Signature) | | Date/Time |

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

COC-3.DWG/03 91/ACH

# Field
# Data
# Sheets

# WELL GAUGING DATA

Project # 950324-L1 Date 3-24-95 Client CHEVRON #9-0121

Site 3026 LAKESHORE AVE, 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 |
|---|---|---|---|---|---|---|---|---|
| MW1 | 4 | | | | | 2.98 | 19.32 | TOC |
| MW2 | .75 | FREE PRODUCT | 3.42 | 0.59 | — | 4.01 | — | |
| MW3 | .75 | | | | | 6.78 | 17.45 | |
| MW4 | .75 | | | | | 4.95 | 16.38 | |
| MW5 | 2 | | | | | 9.76 | 35.99 | |
| MW6 | 2 | | | | | 6.33 | 19.01 | |
| MW7 | 2 | | | | | 2.20 | 15.04 | |
| MW8 | 2 | | | | | 8.51 | 25.06 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 950324 L1 | Station # CHEV #9 - 0121 |
| Sampler: LAD | Date Sampled: 3-24-95 |
| Well I.D.: MW 1 | Well Diameter: (circle one) 2 3 (4) 6 ___ |
| Total Well Depth: Before 19.32 After | Depth to Water: Before 2.98 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) Grade | Other -- |

| | | | | |
|---|---|---|---|---|
| 10.6 | x | 3 | = | 31.8 |
| 1 Case Volume | | Specified Volumes | | gallons |

Purging: Bailer
Middleburg
(Electric Submersible)
~~Suction Pump~~
Type of Installed Pump ____

Sampling: ~~Bailer~~ DISPOSABLE
Middleburg
Electric Submersible
Suction Pump
Installed Pump

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1302 | 65.0 | 7.5 | 2840. | — | 11 | |
| 1304 | 64.4 | 7.5 | 1280. | — | 21 | |
| 1306 | 64.4 | 7.3 | 1150. | — | 32 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 32.

Sampling Time: 1315

Sample I.D.: MW-1 Laboratory: SEQUOIA

Analyzed for: TPHG, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 9503241 | Station # CHEV. #9-0121 |
| Sampler: LAD | Date Sampled: 3-24-95 |
| Well I.D.: MW 2 | Well Diameter: (circle one) 2 3 4 (0.25) |
| Total Well Depth: Before ——— After ——— | Depth to Water: Before 4.01 After |
| Depth to Free Product: 3.42 | Thickness of Free Product (feet): .59 |
| Measurements referenced to: (PVC) Grade Other -- | |

| | | | |
|---|---|---|---|
| _____ | X | _____ | _____ |
| 1 Case Volume | | Specified Volumes | = gallons |

Purging: Bailer, Middleburg, Electric Submersible, Suction Pump, Type of Installed Pump _____

Sampling: Bailer, Middleburg, Electric Submersible, Suction Pump, Installed Pump

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| | FREE PRODUCT | | | 0.59 THICK | | |
| | | | | | | |
| | | NOT | SAMPLED | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: NOT SAMPLED

Sample I.D.: Laboratory:

Analyzed for:

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 950324 L1 | Station # CHEV. #9-0121 |
| Sampler: LAD | Date Sampled: 3-24-95 |
| Well I.D.: MW-3 | Well Diameter: (circle one) 2 3 4 6 (6.75) |
| Total Well Depth: Before 17.45 After | Depth to Water: Before 6.78 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) Grade Other -- | |

1.0" DIA VCF
0.04
0.75" — (0.02)

| 0.2 | x | 3 | = | 0.6 |
|---|---|---|---|---|
| 1 Case Volume | | Specified Volumes | | gallons |

Purging: (Bailer) ½" TEFLON HOSE
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump _____

Sampling: (Bailer) ½" TEFLON HOSE
Middleburg
Electric Submersible
Suction Pump
Installed Pump

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1155 | 63.2 | 7.6 | 4020 | — | .2 | ODOR |
| 1157 | 62.8 | 7.4 | 3570 | — | .4 | |
| 1202 | 62.8 | 7.3 | 3620 | — | .6 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: .6

Sampling Time: 1205

Sample I.D.: MW3 Laboratory: SEQUOIA

Analyzed for: TPHG, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 950324C1 | Station # CHEV. #9-0121 |
| Sampler: LAD | Date Sampled: 3-24-95 |
| Well I.D.: MW-4 | Well Diameter: (circle one) 2 3 4 (0.75") |
| Total Well Depth: Before 16.38 After | Depth to Water: Before 4.95 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) | Grade Other -- |

| | | | | |
|---|---|---|---|---|
| .23 | x | 3 | = | .7 |
| 1 Case Volume | | Specified Volumes | | gallons |

Purging: (Bailer) ½" TEFLON HOSE
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump _____

Sampling: (Bailer) ½" TEFLON HOSE
Middleburg
Electric Submersible
Suction Pump
Installed Pump

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1240 | 67.4 | 7.7 | 3270 | — | .25 | ODOR, BLACK |
| 1242 | 65.0 | 7.4 | 3780 | — | .50 | WATER |
| 1246 | 64.8 | 7.2 | 3930 | — | .70 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 0.7

Sampling Time: 1250

Sample I.D.: MW4 Laboratory: SEQUOIA

Analyzed for: TPHG, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 950324/L1 | Station # CHEV 9-0121 |
| Sampler: LAD | Date Sampled: 3-24-95 |
| Well I.D.: MW5 | Well Diameter: (circle one) (2) 3 4 6 ___ |
| Total Well Depth: Before 35.99 After | Depth to Water: Before 9.76 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) Grade | Other -- |

| 1 Case Volume | x | Specified Volumes | = | gallons |
|---|---|---|---|---|
| 4.2 | x | 3 | = | 12.6 |

Purging: (Bailer) DISPOSABLE
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump _____

Sampling: (Bailer) DISPOSABLE
Middleburg
Electric Submersible
Suction Pump
Installed Pump

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1033 | 61.6 | 8.3 | 1190 | — | 5 | |
| 1040 | 62.2 | 7.9 | 1130 | — | 9 | |
| 1047 | 62.2 | 7.7 | 1130 | — | 13 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? ND If yes, gals. Gallons Actually Evacuated: 13

Sampling Time: 1047

Sample I.D.: MW5 Laboratory: SEQUOIA

Analyzed for: TPH-G, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 9503724-L1 | Station # CHEV#9-0121 |
| Sampler: LAD | Date Sampled: 3-24-95 |
| Well I.D.: MW-6 | Well Diameter: (circle one) (2) 3 4 6 ___ |
| Total Well Depth: Before 19.01 After | Depth to Water: Before 6.33 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (TOC) Grade | Other -- |

| 1 Case Volume | | Specified Volumes | | gallons |
|---|---|---|---|---|
| 2.0 | x | 3 | = | 6.0 |

Purging: Bailer X DISPOS. / Middleburg / Electric Submersible / Suction Pump / Type of Installed Pump ____

Sampling: Bailer X DISPOS. / Middleburg / Electric Submersible / Suction Pump / Installed Pump

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1000 | 64.2 | 6.6 | 1250. | — | 2. | FOAMY BLACK |
| 1005 | 65.6 | 6.8 | 1240. | — | 4. | WATER WITH |
| 1010 | 65.6 | 7.0 | 1250. | — | 6. | SULFER ODOR |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6.

Sampling Time: 1015

Sample I.D.: MW-6 Laboratory: SEQUOIA

Analyzed for: TPH6, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 950324-L1 | Station # CHEV # 9-0121 |
| Sampler: LAD | Date Sampled: 3-24-95 |
| Well I.D.: MW-7 | Well Diameter: (circle one) (2) 3 4 6 ___ |
| Total Well Depth: Before 15.04 After | Depth to Water: Before 2.20 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) Grade Other -- | |

| | | | | |
|---|---|---|---|---|
| 2.1 | x | 3 | = | 6.3 |
| 1 Case Volume | | Specified Volumes | | gallons |

Purging: Bailer X DISPOS. Middleburg Electric Submersible Suction Pump Type of Installed Pump ___

Sampling: Bailer X DISPOS Middleburg Electric Submersible Suction Pump Installed Pump

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 930 | 61.6 | 6.7 | 2530. | — | 3. | |
| 935 | 61.2 | 6.3 | 2380. | — | 5. | |
| 940 | 61.0 | 6.3 | 2360. | — | 7. | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7.

Sampling Time: 945

Sample I.D.: MW-7 Laboratory: SEQUOIA

Analyzed for: TPHG, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 950324-9L1 | Station # CHEV #9-0121 |
| Sampler: LAD | Date Sampled: 3-24-95 |
| Well I.D.: MW-8 | Well Diameter: (circle one) (2) 3 4 6 ___ |
| Total Well Depth: Before 25.06 After | Depth to Water: Before 8.51 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) Grade | Other -- |

| | | | | |
|---|---|---|---|---|
| 2.6 | x | 3 | = | 7.8 |
| 1 Case Volume | | Specified Volumes | | gallons |

Purging: Bailer x DISPOS.
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump ____

Sampling: Bailer x DISPOS.
Middleburg
Electric Submersible
Suction Pump
Installed Pump

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1114 | 60.8 | 7.7 | 2030 | — | 3. | |
| 1120 | 61.2 | 7.4 | 2180 | — | 6. | |
| 1128 | 61.4 | 7.5 | 2240 | — | 8. | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 8

Sampling Time: 1135

Sample I.D.: MW 8 Laboratory: SEQUOIA

Analyzed for: TPH-G, BTEX, TPHD

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations: