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LS
ENVIRONMENTAL
PROTECTION



Chevron

09 JAN -5 PM 3:11

January 2, 1999

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

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

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

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

Dear Mr. Peacock:

Enclosed is the Fourth Quarter Groundwater Monitoring Report for 1998 that was prepared by our consultant Blaine Tech Services Inc. for the above noted site. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents. Monitoring wells MW-1 and M-2 are sampled quarterly and analyzed for all of the constituents, while wells MW-3 and MW-4 are sampled annually (first quarter), but measured for groundwater depth quarterly.

The concentration of the BTEX constituents were below method detection limits in monitoring wells MW-1 and MW-2 in this sampling event.

Depth to groundwater varied from 4.12 feet to 5.24 feet below grade, with a direction of flow varying northeasterly and southeasterly from well MW-4 to wells MW-1 and MW-3 respectively.

As noted previously, this station is in full compliance with the EPA December 1998 requirements, i.e. double wall tanks with spill containment and double wall piping and under dispenser containment.

January 2, 1999
Mr. Thomas Peacock
Chevron Service Station #9-6607
Page 2

If you have any questions or comments, call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manger

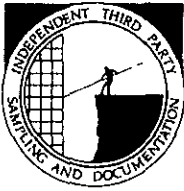
Enclosure

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

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

Mr. Bill Scudder, Chevron

BLAINE
TECH SERVICES INC



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

December 21, 1998

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

4th Quarter 1998 Monitoring at 9-6607

Fourth Quarter 1998 Groundwater Monitoring at
Chevron Service Station Number 9-6607
2340 Otis Drive
Alameda, CA

Monitoring Performed on October 27, 1998

Groundwater Sampling Report 981027-P-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.

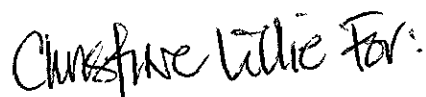
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater 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,

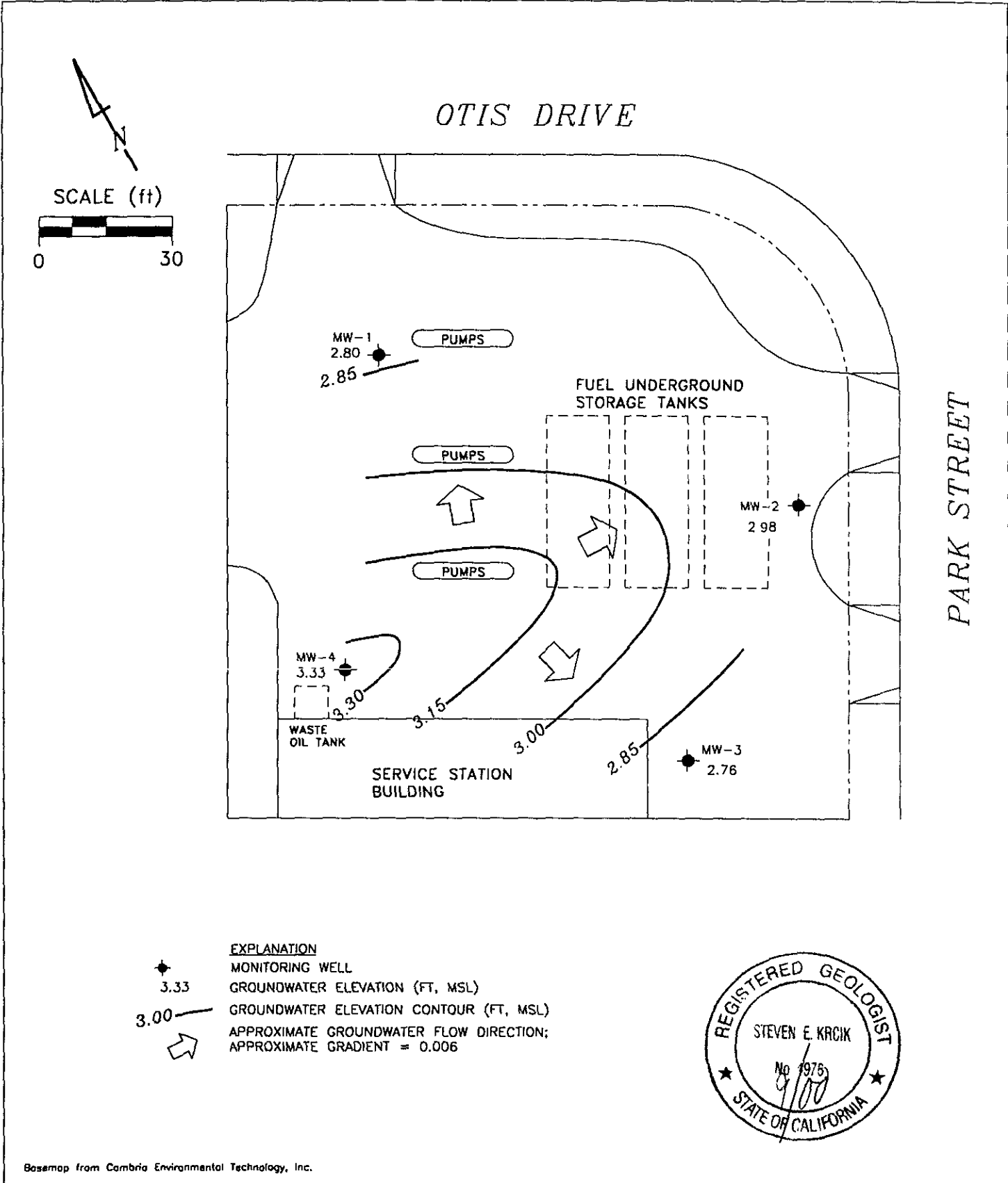


Francis Thie
Vice President

FPT/mt

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

Professional Engineering Appendix



PREPARED BY

RRM
engineering contracting firm

Chevron Station 9-6607
 2340 Otis Drive
 Alameda, California

GROUNDWATER ELEVATION CONTOUR MAP,
OCTOBER 27, 1998

FIGURE:
 1

PROJECT:
 DAC04

**Table of
Well Data and
Analytical Results**

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|-------------|-----------------|--------------------|----------------|------------------|--------------|---------|---------|---------------|--------|-------|------------|------|------------|------|
| MW-1 | | | | | | | | | | | | | | |
| 08/21/91 | 7.12 | 1.02 | 6.10 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/09/92 | 7.12 | 3.16 | 3.96 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 04/20/92 | 7.12 | 3.22 | 3.90 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/25/92 | 7.12 | 2.94 | 4.18 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 11/24/92 | 7.12 | 2.40 | 4.72 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/21/93 | 7.12 | 3.94 | 3.18 | -- | <50 | <0.5 | 0.7 | <0.5 | 1.0 | -- | -- | -- | -- | -- |
| 04/13/93 | 7.12 | 3.42 | 3.70 | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | -- | -- | -- | -- | -- |
| 07/14/93 | 7.12 | 2.91 | 4.21 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/26/93 | 7.12 | 2.84 | 4.28 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/94 | 7.12 | 2.96 | 4.16 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | 7.12 | 3.24 | 3.88 | -- | <50 | <0.5 | 0.6 | <0.5 | 0.7 | -- | -- | -- | -- | -- |
| 07/14/94 | 7.12 | 4.12 | 3.00 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/12/94 | 7.12 | 2.87 | 4.25 | -- | 80 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 121 | <5.0-<50 | -- |
| 01/11/95 | 7.12 | 4.00 | 3.12 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 130 | -- | -- |
| 04/05/95 | 7.12 | 3.66 | 3.46 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 170 | -- | <5.0 |
| 07/13/95 | 7.12 | 3.13 | 3.99 | -- | <125 | <1.2 | <1.2 | <1.2 | <1.2 | -- | -- | 400 | -- | -- |
| 10/05/95 | 7.12 | 2.74 | 4.38 | -- | <50 | <0.5 | 2.3 | 0.66 | 4.0 | -- | -- | 300 | -- | -- |
| 10/03/96 | 7.12 | 2.68 | 4.44 | -- | <50 | 0.63 | <0.5 | <0.5 | <0.5 | -- | -- | 560 | -- | -- |
| 01/22/97 | 7.12 | 3.73 | 3.39 | -- | <200 | <2.0 | <2.0 | <2.0 | <2.0 | -- | -- | 530 | -- | -- |
| 01/22/97 | 7.12 | 3.73 | 3.39 | Confirmation run | -- | -- | -- | -- | -- | -- | -- | 880 | -- | -- |
| 04/09/97 | 6.92* | 3.22 | 3.70 | -- | <125 | <1.2 | <1.2 | <1.2 | <1.2 | -- | -- | 610 | -- | -- |
| 07/09/97 | 6.92 | 3.05 | 3.87 | -- | 240 | 47 | <2.0 | <2.0 | <2.0 | -- | -- | 990 | -- | -- |
| 10/16/97 | 6.92 | 2.95 | 3.97 | -- | 250 | <2.0 | <2.0 | <2.0 | <2.0 | -- | -- | 1000 | -- | -- |
| 01/08/98 | 6.92 | 3.47 | 3.45 | -- | <200 | <2.0 | <2.0 | <2.0 | <2.0 | -- | -- | ** | -- | -- |
| 04/24/98 | 6.92 | 3.31 | 3.61 | -- | 170 | 20 | <0.5 | <0.5 | <0.5 | -- | -- | 1700 | -- | -- |
| 07/15/98 | 6.92 | 3.07 | 3.85 | -- | 160 | 58 | 1.1 | <0.5 | 0.59 | -- | -- | 1500 | -- | -- |
| 07/15/98 | 6.92 | 3.07 | 3.85 | Confirmation run | -- | -- | -- | -- | -- | -- | -- | 1600 | -- | -- |
| 10/27/98 | 6.92 | 2.80 | 4.12 | -- | 140 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 1200 | -- | -- |

* Wellhead elevation altered due to maintenance.

** No value for MTBE could be determined; see lab report.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|-------------|-----------------|--------------------|----------------|------------------|--------------|---------|---------|---------------|--------|-------|------------|------|------------|------|
| MW-2 | | | | | | | | | | | | | | |
| 08/21/91 | 7.43 | 1.03 | 6.40 | -- | 430 | 170 | 0.9 | 1.0 | 3.6 | -- | -- | -- | -- | -- |
| 01/09/92 | 7.43 | 3.20 | 4.23 | -- | 58 | 16 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 04/20/92 | 7.43 | 3.26 | 4.17 | -- | 180 | 9.6 | <0.5 | 0.8 | <0.5 | -- | -- | -- | -- | -- |
| 07/25/92 | 7.43 | 2.96 | 4.47 | -- | 220 | 8.0 | 0.7 | 4.0 | 8.6 | -- | -- | -- | -- | -- |
| 11/24/92 | 7.43 | 1.61 | 5.82 | -- | 72 | 3.2 | <0.5 | 0.5 | 0.6 | -- | -- | -- | -- | -- |
| 01/21/93 | 7.43 | 4.08 | 3.35 | -- | <50 | 0.8 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 04/13/93 | 7.43 | 3.41 | 4.02 | -- | 78 | <0.5 | <0.5 | <0.5 | 0.6 | -- | -- | -- | -- | -- |
| 07/14/93 | 7.43 | 2.94 | 4.49 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/26/93 | 7.43 | 2.87 | 4.56 | -- | <50 | <0.5 | 0.9 | <0.5 | 0.6 | -- | -- | -- | -- | -- |
| 01/11/94 | 7.43 | 3.04 | 4.39 | -- | <50 | <0.5 | 1.0 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | 7.43 | 3.25 | 4.18 | -- | <50 | 0.5 | <0.5 | <0.5 | 0.8 | -- | -- | -- | -- | -- |
| 07/14/94 | 7.43 | 2.53 | 4.90 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.6 | -- | -- | -- | -- | -- |
| 10/12/94 | 7.43 | 2.89 | 4.54 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 2900 | <50-<500 | -- |
| 01/11/95 | 7.43 | 4.17 | 3.26 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 2500 | -- | -- |
| 04/05/95 | 7.43 | 3.78 | 3.65 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.0 | -- | <5.0 |
| 07/13/95 | 7.43 | 3.12 | 4.31 | -- | <250 | <2.5 | <2.5 | <2.5 | <2.5 | -- | -- | 1100 | -- | -- |
| 10/05/95 | 7.43 | 2.75 | 4.68 | -- | <50 | <0.5 | 1.9 | 0.54 | 3.4 | -- | -- | 280 | -- | -- |
| 10/03/96 | 7.43 | 2.63 | 4.80 | -- | <500 | <5.0 | <5.0 | <5.0 | <5.0 | -- | -- | 1000 | -- | -- |
| 01/22/97 | 7.43 | 4.07 | 3.36 | -- | 540* | <5.0 | <5.0 | <5.0 | <5.0 | -- | -- | 1300 | -- | -- |
| 01/22/97 | 7.43 | 4.07 | 3.36 | Confirmation run | -- | -- | -- | -- | -- | -- | -- | 1600 | -- | -- |
| 04/09/97 | 7.43 | 3.18 | 4.25 | -- | <500 | <5.0 | <5.0 | <5.0 | <5.0 | -- | -- | 970 | -- | -- |
| 07/09/97 | 7.43 | 2.95 | 4.48 | -- | <125 | <1.2 | <1.2 | <1.2 | <1.2 | -- | -- | 710 | -- | -- |
| 10/16/97 | 7.43 | 2.99 | 4.44 | -- | <100 | <1.0 | <1.0 | <1.0 | <1.0 | -- | -- | 1000 | -- | -- |
| 01/08/98 | 7.43 | 3.64 | 3.79 | -- | 68 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | ** | -- | -- |
| 04/24/98 | 7.43 | 3.48 | 3.95 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 490 | -- | -- |
| 07/15/98 | 7.43 | 3.13 | 4.30 | -- | 51 | 1.2 | 1.2 | <0.5 | <0.5 | -- | -- | 480 | -- | -- |
| 10/27/98 | 7.43 | 2.98 | 4.45 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 180 | -- | -- |

* Chromatogram pattern indicates an unidentified hydrocarbon.

** No value for MTBE could be determined; see lab report.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|-------------|-----------------|--------------------|----------------|------------------|--------------|---------|---------|---------------|--------|-------|------------|------|------------|------|
| MW-3 | | | | | | | | | | | | | | |
| 08/21/91 | 8.07 | 0.97 | 7.10 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/09/92 | 8.07 | 3.04 | 5.03 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 04/20/92 | 8.07 | 3.16 | 4.91 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/25/92 | 8.07 | 2.73 | 5.34 | -- | <50 | 1.0 | 1.0 | 1.0 | 3.4 | -- | -- | -- | -- | -- |
| 11/24/92 | 8.07 | 3.07 | 5.00 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/21/93 | 8.07 | 3.73 | 4.34 | -- | <50 | <0.5 | 0.5 | <0.5 | 1.0 | -- | -- | -- | -- | -- |
| 04/13/93 | 8.07 | 3.23 | 4.84 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.6 | -- | -- | -- | -- | -- |
| 07/14/93 | 8.07 | 2.78 | 5.29 | -- | <50 | <0.5 | <0.5 | <0.5 | 2.0 | -- | -- | -- | -- | -- |
| 10/26/93 | 8.07 | 2.71 | 5.36 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/94 | 8.07 | 2.85 | 5.22 | -- | <50 | <0.5 | 1.0 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | 8.07 | 3.08 | 4.99 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/14/94 | 8.07 | 2.71 | 5.36 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/12/94 | 8.07 | 3.05 | 5.02 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/95 | 8.07 | 3.72 | 4.35 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.7 | -- | -- | <5.0 | -- | -- |
| 04/05/95 | 8.07 | 5.43 | 2.64 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <5.0 | -- | <5.0 |
| 07/13/95 | 8.07 | 2.94 | 5.13 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/05/95 | 8.07 | 2.61 | 5.46 | -- | <50 | <0.5 | 1.2 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/03/96 | 8.07 | 2.54 | 5.53 | -- | <50 | 0.98 | 1.2 | 0.53 | 2.5 | -- | -- | <2.5 | -- | -- |
| 01/22/97 | 8.07 | 3.45 | 4.62 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 04/09/97 | 8.00* | 2.95 | 5.05 | Sampled annually | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/09/97 | 8.00 | 2.86 | 5.14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/97 | 8.00 | 2.80 | 5.20 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 01/08/98 | 8.00 | 3.25 | 4.75 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 9.3 | -- | -- |
| 04/24/98 | 8.00 | 3.27 | 4.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/98 | 8.00 | 2.93 | 5.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/27/98 | 8.00 | 2.76 | 5.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

* Wellhead elevation altered due to maintenance.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|-------------|-----------------|--------------------|----------------|------------------|--------------|---------|---------|---------------|--------|-------|------------|------|------------|------|
| MW-4 | | | | | | | | | | | | | | |
| 08/21/91 | 7.85 | 1.00 | 6.85 | -- | <50 | 0.6 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 01/09/92 | 7.85 | 3.15 | 4.70 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 04/20/92 | 7.85 | 3.21 | 4.64 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | -- | -- | -- |
| 07/25/92 | 7.85 | 2.90 | 4.95 | -- | <50 | 0.5 | 1.1 | <0.5 | 0.8 | -- | 78 | -- | -- | -- |
| 11/24/92 | 7.85 | 2.43 | 5.42 | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | <5000 | -- | -- | -- | -- |
| 01/21/93 | 7.85 | 3.78 | 4.07 | -- | <50 | <0.5 | 0.5 | <0.5 | 0.7 | -- | <10 | -- | -- | -- |
| 04/13/93 | 7.85 | 3.40 | 4.45 | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | -- | <10 | -- | -- | -- |
| 07/14/93 | 7.85 | 2.95 | 4.90 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/26/93 | 7.85 | 2.90 | 4.95 | -- | <50 | 2.0 | 3.0 | 2.0 | 3.0 | -- | -- | -- | -- | -- |
| 01/11/94 | 7.85 | 3.08 | 4.77 | -- | <50 | <0.5 | 0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | 7.85 | 3.20 | 4.65 | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | -- | -- | -- | -- | -- |
| 07/14/94 | 7.85 | 2.80 | 5.05 | -- | <50 | 0.9 | 1.2 | <0.5 | 2.0 | -- | -- | -- | -- | -- |
| 10/12/94 | 7.85 | 2.97 | 4.88 | -- | <50 | <0.5 | 0.9 | <0.5 | 0.7 | -- | -- | -- | -- | -- |
| 01/11/95 | 7.85 | 3.85 | 4.00 | -- | <50 | <0.5 | 0.8 | 0.7 | 1.5 | -- | -- | <5.0 | -- | -- |
| 04/05/95 | 7.85 | 3.63 | 4.22 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5000 | -- | <2.0 | <5.0 | -- |
| 07/13/95 | 7.85 | 3.14 | 4.71 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/05/95 | 7.85 | 2.83 | 5.02 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/03/96 | 7.85 | 2.77 | 5.08 | -- | 100 | 5.5 | 5.6 | 2.5 | 12 | -- | -- | <2.5 | -- | -- |
| 01/22/97 | 7.85 | 3.57 | 4.28 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 04/09/97 | 7.85 | 3.25 | 4.60 | Sampled annually | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/09/97 | 7.85 | 3.06 | 4.79 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/16/97 | 7.85 | 3.04 | 4.81 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | 2.7 | -- | -- |
| 01/08/98 | 7.85 | 3.48 | 4.37 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 04/24/98 | 7.85 | 3.51 | 4.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/15/98 | 7.85 | 3.39 | 4.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/27/98 | 7.85 | 3.33 | 4.52 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE | Other VOCs | PNAs |
|-------------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|-----|------------|------|------------|------|
| TRIP BLANK | | | | | | | | | | | | | | |
| 01/21/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 04/13/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/14/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/26/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 03/31/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/14/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/12/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/11/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 04/05/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 07/13/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/05/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 10/03/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- |
| 01/22/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 04/09/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 07/09/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 10/16/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 01/08/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 04/24/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 07/15/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |
| 10/27/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | <2.5 | -- | -- |

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

ABBREVIATIONS:

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

Analytical Appendix



| | | |
|--|---|---|
| Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 | Client Proj. ID: Chevron 9-6607/981027-P2 Sample Descript: MW-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9810K19-01 | Sampled: 10/27/98 Received: 10/28/98 Analyzed: 11/03/98 Reported: 11/10/98 |
|--|---|---|

QC Batch Number: GC110398BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|-------------------------|------------------------|
| TPPH as Gas | 50 | 140 |
| Methyl t-Butyl Ether | 2.5 | 1200 |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: Discrete Peaks | | C6-C8 |
| Surrogates | Control Limits % | % Recovery |
| Trifluorotoluene | 70 130 | 114 |

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





| | | |
|--|---|---|
| Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 | Client Proj. ID: Chevron 9-6607/981027-P2 Sample Descript: MW-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9810K19-02 | Sampled: 10/27/98 Received: 10/28/98 Analyzed: 11/03/98 Reported: 11/10/98 |
|--|---|---|

QC Batch Number: GC110398BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|-----------------------------|-----------------------------|------------------------|
| TPPH as Gas | 50 | N.D. |
| Methyl t-Butyl Ether | 2.5 | 180 |
| 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 | 119 |

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





| | | |
|--|---|---|
| Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 | Client Proj. ID: Chevron 9-6607/981027-P2 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9810K19-03 | Sampled: 10/27/98 Received: 10/28/98 Analyzed: 11/02/98 Reported: 11/10/98 |
| Attention: Fran Thie | | |

QC Batch Number: GC110298BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|-----------------------|-----------------------------|------------------------|
| TPPH as Gas | 50 | N.D. |
| Methyl t-Butyl Ether | 2.5 | N.D. |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: | | |
| Surrogates | Control Limits % | % Recovery |
| Trifluorotoluene | 70 130 | 104 |

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

SEQUOIA ANALYTICAL - ELAP #1210


Mike Gregory
Project Manager





**Sequoia
Analytical**

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(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
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FAX (707) 792-0342

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

Client Proj. ID: Chevron 9-6607/981027-P2

Received: 10/28/98

Lab Proj. ID: 9810K19

Reported: 11/10/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 7 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL


Mike Gregory
Project Manager





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

Client Project ID: Chevron 9-6607/981027-P2

QC Sample Group: 9810K19-03

Reported: Nov 10, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015
Analyst: MM

ANALYTE Gasoline

QC Batch #: GC110298BTEX02A

Sample No.: GW9810L11-1

Date Prepared: 11/2/98

Date Analyzed: 11/2/98

Instrument I.D.#: GCHP02

Sample Conc., ug/L: 140

Conc. Spiked, ug/L: 250

Matrix Spike, ug/L: 420

% Recovery: 112

Matrix

Spike Duplicate, ug/L: 420

% Recovery: 112

Relative % Difference: 0.0

RPD Control Limits: 0-25

LCS Batch#: GC110298BTEX02A

Date Prepared: 11/2/98

Date Analyzed: 11/2/98

Instrument I.D.#: GCHP02

Conc. Spiked, ug/L: 250

LCS Recovery, ug/L: 290

LCS % Recovery: 116

Percent Recovery Control Limits:

MS/MSD 60-140

LCS 70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager





Sequoia Analytical

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FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

| | |
|--|---|
| Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie | Client Project ID: Chevron 9-6607/981027-P2 |
| QC Sample Group: 9810K19-01,02 | Reported: Nov 10, 1998 |

QUALITY CONTROL DATA REPORT

| | | | | |
|----------|----------|---------|--------------|---------|
| Matrix: | Liquid | | | |
| Method: | EPA 8020 | | | |
| Analyst: | TP/GR | | | |
| ANALYTE | Benzene | Toluene | Ethylbenzene | Xylenes |

QC Batch #: GC110398BTEX02A

Sample No.: GW9810I40-7

| | | | | |
|-------------------------------|---------|---------|---------|---------|
| Date Prepared: | 11/3/98 | 11/3/98 | 11/3/98 | 11/3/98 |
| Date Analyzed: | 11/3/98 | 11/3/98 | 11/3/98 | 11/3/98 |
| Instrument I.D.#: | GCHP02 | GCHP02 | GCHP02 | GCHP02 |
| Sample Conc., ug/L: | N.D. | N.D. | N.D. | N.D. |
| Conc. Spiked, ug/L: | 10 | 10 | 10 | 30 |
| Matrix Spike, ug/L: | 9.6 | 9.7 | 9.8 | 29 |
| % Recovery: | 96 | 97 | 98 | 98 |
| Matrix Spike Duplicate, ug/L: | 9.0 | 9.0 | 9.1 | 27 |
| % Recovery: | 90 | 90 | 91 | 91 |
| Relative % Difference: | 6.5 | 7.5 | 7.4 | 7.4 |
| RPD Control Limits: | 0-25 | 0-25 | 0-25 | 0-25 |

LCS Batch#: GC110398BTEX02A

| | | | | |
|---------------------|---------|---------|---------|---------|
| Date Prepared: | 11/3/98 | 11/3/98 | 11/3/98 | 11/3/98 |
| Date Analyzed: | 11/3/98 | 11/3/98 | 11/3/98 | 11/3/98 |
| Instrument I.D.#: | GCHP02 | GCHP02 | GCHP02 | GCHP02 |
| Conc. Spiked, ug/L: | 10 | 10 | 10 | 30 |
| LCS Recovery, ug/L: | 9.8 | 9.8 | 9.9 | 30 |
| LCS % Recovery: | 98 | 98 | 99 | 98 |

Percent Recovery Control Limits:

| | | | | |
|--------|--------|--------|--------|--------|
| MS/MSD | 60-140 | 60-140 | 60-140 | 60-140 |
| LCS | 70-130 | 70-130 | 70-130 | 70-130 |

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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.

SEQUOIA ANALYTICAL

[Signature]
Mike Gregory
Project Manager



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

Chevron Facility Number 9-6607
Facility Address 2340 Otis Dr., Alameda, CA
Consultant Project Number 981027-P2
Consultant Name Blaine Tech Services, Inc.
Address 1680 Rogers Ave., San Jose, CA 95112
Project Contact (Name) Fran Thie
(Phone) 408-573-0555 (Fax Number) 408-573-7771

Chevron Contact (Name) Phil Briggs
(Phone) (510) 842-9136
Laboratory Name Sequoia
Laboratory Release Number 9032410
Samples Collected by (Name) Paul Sanna
Collection Date 10/27/98
Signature [Signature]

| Sample Number | Lab Sample Number | Number of Containers | Matrix S = Soil W = Water C = Charcoal | Type G = Grab C = Composite D = Discrete | Time | Sample Preservation | Lead (Yes or No) | Analyses To Be Performed | | | | | | | | | | Remarks | | | | | | |
|---------------|-------------------|----------------------|---|---|-------|---------------------|------------------|----------------------------|-------------------|-----------------------|-------------------------------|----------------------------|---------------------------|-----------------------------|--|--|--|---------|--|--|--|--|--|--|
| | | | | | | | | TEX + TPH GAS (8020, 8015) | TPH Diesel (8015) | Oil and Grease (5520) | Purgeable Hydrocarbons (8010) | Purgeable Aromatics (8020) | Purgeable Organics (8240) | Extractable Organics (8270) | Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA) | | | | | | | | | |
| MW-1 | 01 | 3 | W | | 11:35 | | X | X | | | | | | | | | | | | | | | | |
| MW-2 | 02 | 3 | | | 11:35 | | X | X | | | | | | | | | | | | | | | | |
| TB | 03 | 2 | | | / | | X | X | | | | | | | | | | | | | | | | |

9810K19

DO NOT BILL FOR TB-LB

00 28 2 07
Remarks

03 01/MSH

| | | | | | | |
|--|-----------------------------|---------------------------------|--|-----------------------------|---------------------------|--|
| Relinquished By (Signature) <u>[Signature]</u> | Organization <u>BTS</u> | Date/Time <u>10/28/98 11:51</u> | Received By (Signature) <u>Jeff Bonville</u> | Organization <u>Sequoia</u> | Date/Time <u>10-28-98</u> | Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted |
| Relinquished By (Signature) <u>[Signature]</u> | Organization <u>Sequoia</u> | Date/Time <u>10-28-98</u> | Received By (Signature) | Organization | Date/Time | |
| Relinquished By (Signature) | Organization | Date/Time | Received for Laboratory By (Signature) | Organization | Date/Time <u>10/28/98</u> | |

1907

Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

| | |
|------------------------------------|---|
| Project #: <u>981027-P2</u> | Station #: <u>9-6607</u> |
| Sampler: <u>Paul</u> | Date: <u>10-27-98</u> |
| Well I.D.: <u>MW-1</u> | Well Diameter: 2 3 <u>4</u> 6 8 <u> </u> |
| Total Well Depth: <u>22.89</u> | Depth to Water: <u>4.12</u> |
| Depth to Free Product: <u> </u> | Thickness of Free Product (feet): <u> </u> |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 2" | 0.16 | 5" | 1.02 |
| 3" | 0.37 | 6" | 1.47 |
| 4" | 0.65 | Other | radius ² * 0.163 |

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible Other:
 Extraction Pump

Other:

| | | | | | |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>12</u> | x | <u>3</u> | = | <u>36</u> | Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|--------------|-------------|------------|-------------|---------------|--------------|
| <u>11:46</u> | <u>69.0</u> | <u>6.9</u> | <u>1000</u> | <u>12</u> | |
| <u>11:48</u> | <u>68.4</u> | <u>6.9</u> | <u>1000</u> | <u>24</u> | |
| <u>11:50</u> | <u>67.6</u> | <u>7.0</u> | <u>1100</u> | <u>36</u> | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 36

Sampling Time: 11:55 Sampling Date: 10-27-98

Sample I.D.: MW-1 Laboratory: Sequoia GTEL N. Creek Assoc. Labs

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

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE TPH-D Other:

| | | | | |
|--------------------|------------|------|-------------|------|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

CHEVRON WELL MONITORING DATA SHEET

| | |
|---------------------------------|-----------------------------------|
| Project #: <u>981027-P2</u> | Station #: <u>9-6607</u> |
| Sampler: <u>Paul</u> | Date: <u>10-27-98</u> |
| Well I.D.: <u>MW-2</u> | Well Diameter: 2 3 <u>4</u> 6 8 |
| Total Well Depth: <u>23.25</u> | Depth to Water: <u>4.45</u> |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 2" | 0.16 | 5" | 1.02 |
| 3" | 0.37 | 6" | 1.47 |
| 4" | 0.65 | Other | radius ² * 0.163 |

Purge Method: Bailer Sampling Method: Bailer
 Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible Other: _____
 Extraction Pump

| | | | | | |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>12</u> | x | <u>3</u> | = | <u>36</u> | Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|--------------|-------------|------------|------------|---------------|--------------|
| <u>11:22</u> | <u>68.4</u> | <u>7.0</u> | <u>856</u> | <u>12</u> | |
| <u>11:24</u> | <u>67.6</u> | <u>7.0</u> | <u>900</u> | <u>24</u> | |
| <u>11:26</u> | <u>67.2</u> | <u>7.1</u> | <u>950</u> | <u>36</u> | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 36

Sampling Time: 11:31 Sampling Date: 10-27-98

Sample I.D.: MW-2 Laboratory: Sequidia 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 |