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ENVIRONMENTAL  
PROTECTION

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**Chevron**

Chevron U.S.A. Products Company  
6001 Bollinger Canyon Rd. Elgin, IL  
P. O. Box 6004  
San Ramon, CA 94583-0804

Site Assessment and  
Remediation Group  
Phone (510) 842-3500  
Fax (510) 842-3570

Date: 3-31-00  
To: Distribution  
Re: Groundwater Monitoring Report , 9-4930

The enclosed groundwater monitoring report has been properly reviewed by a Chevron authorized representative. Agency guidelines have been followed. Blaine Tech Services is authorized to distribute the report directly to interested parties.

If you have any questions, please call me at (510) 842-3695

Sincerely,

Bret Hunter  
Site Assessment and Remediation  
Project Manager

**BLAINE**  
TECH SERVICES INC.



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

March 31, 2000

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

### **1st Quarter 2000 Monitoring at 9-4930**

First Quarter 2000 Groundwater Monitoring at  
Former Chevron Service Station Number 9-4930  
3369 Castro Valley Boulevard  
Castro Valley, CA

Monitoring Performed on February 3, 2000

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### **Groundwater Sampling Report 000203-S-2**

This report covers the routine monitoring of groundwater wells at this Former 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,



Scott Boor  
Project Coordinator

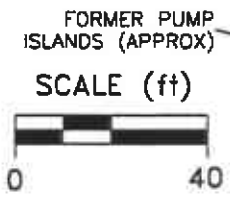
SDB/pb

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

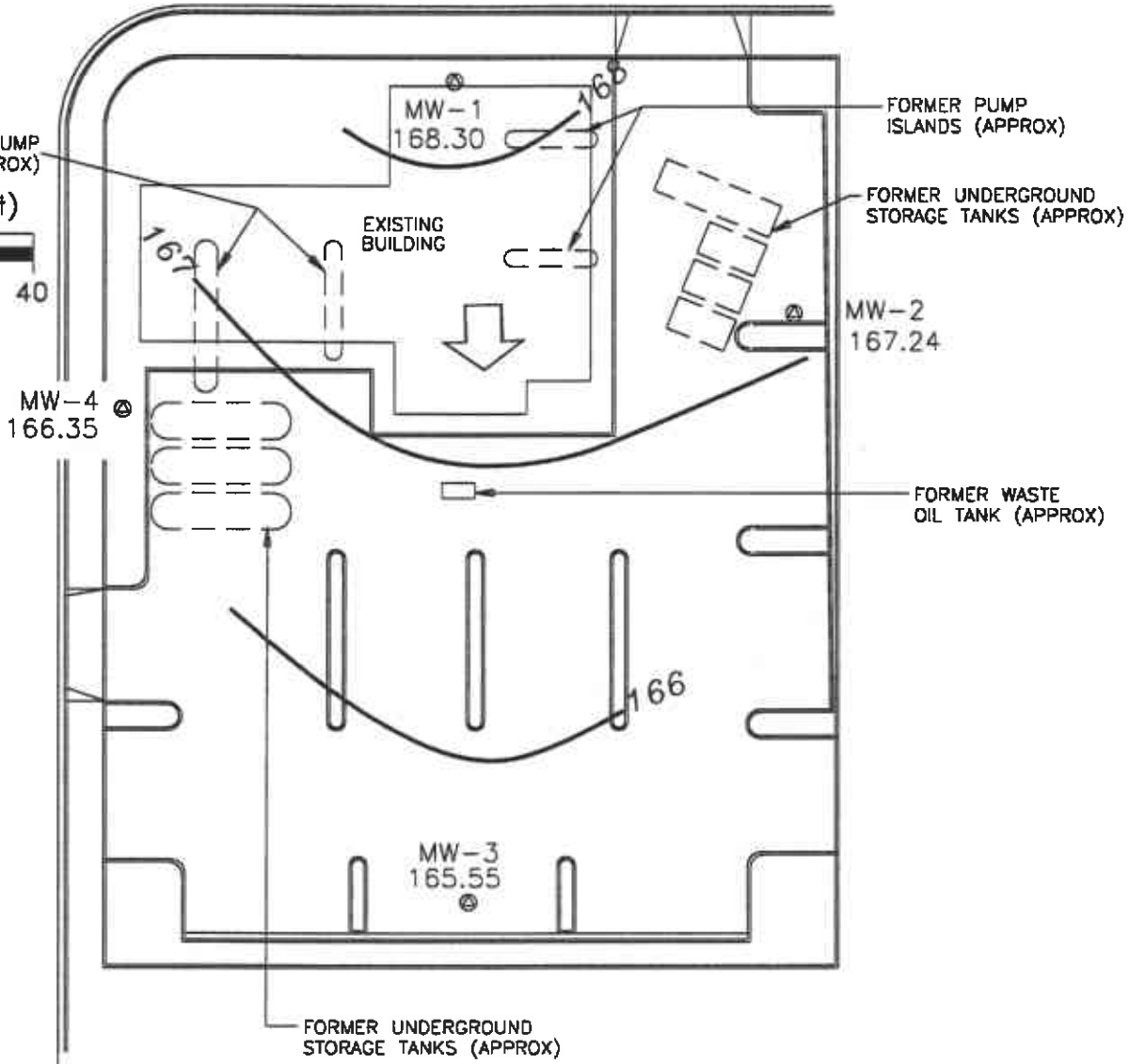
cc: Scott Seery, Alameda County Health Care Services  
Chuck Headlee, RWQCB-S.F. Bay Region  
Anna Counelis & Tula Gallanes  
Greg Gurs, Gettler Ryan, Inc.

# Professional Engineering Appendix

CASTRO VALLEY BLVD.




WILBEAM AVE.



- EXPLANATION**
- MONITORING WELL
  - GROUNDWATER ELEVATION (FT, MSL)
  - GROUNDWATER ELEVATION CONTOUR (FT, MSL)
  - APPROXIMATE GROUNDWATER FLOW DIRECTION;
  - APPROXIMATE GRADIENT = 0.001

Base map from Geoconsultants, Inc.

|  |  |                     |
|--|--|---------------------|
| PREPARED BY<br><br>engineering contracting firm | Former Chevron Station 9-4930<br>3369 Castro Valley Boulevard<br>Castro Valley, California | FIGURE:<br><b>1</b> |
|  | GROUNDWATER ELEVATION CONTOUR MAP,<br>FEBRUARY 3, 2000                                     | PROJECT:<br>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 | 1,2-DCE | TCE | DCFM | PCE | MTBE |
|-------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|---------|-----|------|-----|------|
| <b>MW-1</b> |                 |                    |                |       |              |         |         |               |        |         |     |      |     |      |
| 10/29/93    | 172.90          | 166.15             | 6.75           | --    | 1000         | 11      | 17      | 32            | 110    | --      | --  | --   | --  | --   |
| 02/25/94    | 172.90          | 166.80             | 6.10           | --    | 250          | 6.0     | 1.0     | 5.0           | 3.0    | --      | --  | --   | --  | --   |
| 04/04/94    | 172.90          | 166.14             | 6.76           | --    | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 04/29/94    | 172.90          | 166.35             | 6.55           | --    | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 06/13/94    | 172.90          | 166.12             | 6.78           | --    | 670          | 35      | 3.5     | 43            | 3.9    | 0.8     | 16  | 14   | 47  | --   |
| 06/30/94    | 172.90          | 166.06             | 6.84           | --    | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 07/28/94    | 172.90          | 166.03             | 6.87           | --    | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 08/31/94    | 172.90          | 166.00             | 6.90           | --    | 560          | 43      | 9.5     | 25            | 5.0    | 1.3     | 19  | 13   | 65  | --   |
| 11/11/94    | 172.90          | 167.00             | 5.90           | --    | 460          | 53      | 4.0     | 50            | 3.4    | --      | --  | --   | --  | --   |
| 02/01/95    | 172.90          | 166.88             | 6.02           | --    | 240          | 25      | 0.6     | 4.0           | <0.5   | --      | --  | --   | --  | --   |
| 05/18/95    | 172.90          | 166.82             | 6.08           | --    | 580          | 42      | 1.0     | 53            | 2.6    | --      | --  | --   | --  | --   |
| 08/22/95    | 172.90          | 166.52             | 6.38           | --    | 840          | 73      | 1.2     | 110           | 1.6    | --      | --  | --   | --  | --   |
| 11/01/95    | 172.90          | 166.40             | 6.50           | --    | 350          | 36      | <0.5    | 30            | <0.5   | --      | --  | --   | --  | 15   |
| 01/26/96    | 172.90          | 166.85             | 6.05           | --    | 210          | 23      | <0.5    | 12            | <0.5   | --      | --  | --   | --  | 4.7  |
| 05/08/96    | 172.90          | 166.50             | 6.40           | --    | 310          | 42      | 2.3     | 56            | 1.1    | --      | --  | --   | --  | 52   |
| 10/03/96    | 173.53          | 166.61             | 6.92           | --    | 240          | 31      | <0.5    | 1.7           | <0.5   | --      | --  | --   | --  | 18   |
| 02/04/97    | 173.53          | 167.02             | 6.51           | --    | 200          | 9.9     | <0.5    | 3.7           | <0.5   | --      | --  | --   | --  | 16   |
| 04/30/97    | 173.53          | 166.64             | 6.89           | --    | 260          | 11      | <0.5    | 17            | <0.5   | --      | --  | --   | --  | 13   |
| 07/22/97    | 173.53          | 166.49             | 7.04           | --    | 170          | 5.0     | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/03/97    | 173.53          | 166.55             | 6.98           | --    | 230          | 13      | <0.5    | 7.8           | 0.68   | --      | --  | --   | --  | *    |
| 02/11/98    | 173.53          | 167.52             | 6.01           | --    | 110          | 3.1     | 0.63    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 05/08/98    | 173.53          | 166.72             | 6.81           | --    | 170          | 4.2     | 1.8     | 2.1           | <0.5   | --      | --  | --   | --  | <2.5 |
| 08/07/98    | 173.53          | 167.01             | 6.52           | --    | 110          | 5.2     | <0.5    | 6.7           | <0.5   | --      | --  | --   | --  | 13   |
| 11/05/98    | 173.53          | 166.58             | 6.95           | --    | 160          | 1.8     | <0.5    | <0.5          | 0.53   | --      | --  | --   | --  | <2.5 |
| 03/02/99    | 173.53          | 166.97             | 6.56           | --    | 119          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <5.0 |
| 05/17/99    | 173.53          | 166.89             | 6.64           | --    | 153          | 3.17    | <0.5    | 0.791         | <0.5   | --      | --  | --   | --  | <5.0 |
| 08/24/99    | 173.53          | 166.40             | 7.13           | --    | 96.2         | 1.38    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | 14.7 |
| 11/19/99    | 173.53          | 166.92             | 6.61           | --    | 209          | 13.1    | 1.68    | 12.3          | <0.5   | --      | --  | --   | --  | 3.79 |
| 02/03/00    | 173.53          | 168.30             | 5.23           | --    | 95           | 1.4     | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | 15   |

\* 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 | 1,2-DCE | TCE | DCFM | PCE | MTBE |
|-------------|-----------------|--------------------|----------------|--------------|--------------|---------|---------|---------------|--------|---------|-----|------|-----|------|
| <b>MW-2</b> |                 |                    |                |              |              |         |         |               |        |         |     |      |     |      |
| 10/29/93    | 173.91          | 166.05             | 7.86           | --           | 5600         | 140     | 3.2     | 17            | 330    | --      | --  | --   | --  | --   |
| 02/25/94    | 173.91          | 166.96             | 6.95           | --           | 820          | 41      | <0.5    | 17            | 5.0    | --      | --  | --   | --  | --   |
| 04/04/94    | 173.91          | 166.18             | 7.73           | --           | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 04/29/94    | 173.91          | 166.23             | 7.68           | --           | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 06/13/94    | 173.91          | 166.20             | 7.71           | --           | 1100         | 160     | 0.8     | 64            | 2.0    | <0.5    | 0.9 | <0.5 | 2.0 | --   |
| 06/30/94    | 173.91          | 165.87             | 8.04           | --           | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 07/28/94    | 173.91          | 165.99             | 7.92           | --           | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 08/31/94    | 173.91          | 165.98             | 7.93           | --           | 190          | 7.1     | 4.1     | 3.1           | 1.2    | <0.5    | 1.1 | <0.5 | 4.5 | --   |
| 11/11/94    | 173.91          | 167.08             | 6.83           | --           | 440          | 120     | <1.0    | 18            | <1.0   | --      | --  | --   | --  | --   |
| 02/01/95    | 173.91          | 167.77             | 6.14           | --           | 240          | 81      | <1.0    | <1.0          | <1.0   | --      | --  | --   | --  | --   |
| 05/18/95    | 173.91          | 166.91             | 7.00           | --           | 330          | 74      | <0.5    | 26            | 1.3    | --      | --  | --   | --  | --   |
| 08/22/95    | 173.91          | 166.58             | 7.33           | --           | 390          | 84      | <1.0    | 2.1           | <1.0   | --      | --  | --   | --  | --   |
| 11/01/95    | 173.91          | 166.54             | 7.37           | --           | 190          | 46      | <0.5    | 1.6           | <0.5   | --      | --  | --   | --  | <2.5 |
| 01/26/96    | 173.91          | 168.13             | 5.78           | --           | <50          | 13      | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 05/08/96    | 173.91          | 166.76             | 7.15           | --           | <50          | 4.5     | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 10/03/96    | 172.67          | 166.66             | 6.01           | --           | 63           | 4.3     | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 02/04/97    | 172.67          | 167.40             | 5.27           | --           | <50          | 1.6     | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 04/30/97    | 172.67          | 166.74             | 5.93           | --           | <50          | 5.4     | <0.5    | 0.8           | <0.5   | --      | --  | --   | --  | <2.5 |
| 07/22/97    | 172.67          | 166.53             | 6.14           | --           | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/03/97    | 172.67          | --                 | --             | Inaccessible | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 02/11/98    | 172.67          | 167.95             | 4.72           | --           | <50          | 0.52    | 0.63    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 05/08/98    | 172.67          | 167.07             | 5.60           | --           | <50          | 1.1     | 1.2     | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 08/07/98    | 172.67          | 166.33             | 6.34           | --           | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/05/98    | 172.67          | 166.59             | 6.08           | --           | 120          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 03/02/99    | 172.67          | 167.41             | 5.26           | --           | 67           | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <5.0 |
| 05/17/99    | 172.67          | 167.71             | 4.96           | --           | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <5.0 |
| 08/24/99    | 172.67          | 165.33             | 7.34           | --           | <50          | 1.18    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/19/99    | 172.67          | 166.84             | 5.83           | --           | <50          | 4.29    | 0.907   | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 02/03/00    | 172.67          | 167.24             | 5.43           | --           | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |



### Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE        | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes              | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | 1,2-DCE | TCE | DCFM | PCE | MTBE |
|-------------|-----------------|--------------------|----------------|--------------------|--------------|---------|---------|---------------|--------|---------|-----|------|-----|------|
| <b>MW-3</b> |                 |                    |                |                    |              |         |         |               |        |         |     |      |     |      |
| 10/29/93    | 172.60          | 164.96             | 7.64           | --                 | 110          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 02/25/94    | 172.60          | 166.22             | 6.38           | --                 | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 04/04/94    | 172.60          | 165.21             | 7.39           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 04/29/94    | 172.60          | 165.62             | 6.98           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 06/13/94    | 172.60          | 165.15             | 7.45           | --                 | <50          | <0.5    | <0.5    | <0.5          | <0.5   | <0.5    | 2.0 | <0.5 | 220 | --   |
| 06/30/94    | 172.60          | 165.05             | 7.55           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 07/28/94    | 172.60          | 164.93             | 7.67           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 08/31/94    | 172.60          | 164.81             | 7.79           | --                 | <50          | <0.5    | <0.5    | <0.5          | <0.5   | <0.5    | 1.6 | <0.5 | 320 | --   |
| 11/11/94    | 172.60          | 165.73             | 6.87           | Sampled biannually | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 02/01/95    | 172.60          | 167.03             | 5.57           | --                 | 89           | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 05/18/95    | 172.60          | 165.79             | 6.81           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 08/22/95    | 172.60          | 165.35             | 7.25           | --                 | 190          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 11/01/95    | 172.60          | 165.70             | 6.90           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 01/26/96    | 172.60          | 167.35             | 5.25           | --                 | 160          | <2.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 05/08/96    | 172.60          | 165.55             | 7.05           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 10/03/96    | 170.47          | 165.29             | 5.18           | --                 | 150          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 02/04/97    | 170.47          | 166.27             | 4.20           | --                 | 88           | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 04/30/97    | 170.47          | 165.37             | 5.10           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | <2.5 |
| 07/22/97    | 170.47          | 165.15             | 5.32           | --                 | 180          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/03/97    | 170.47          | 165.12             | 5.35           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 02/11/98    | 170.47          | 167.47             | 3.00           | --                 | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 05/08/98    | 170.47          | 165.96             | 4.51           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 08/07/98    | 170.47          | 165.26             | 5.21           | --                 | 110          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/05/98    | 170.47          | 165.35             | 5.12           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 03/02/99    | 170.47          | 166.19             | 4.28           | --                 | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <5.0 |
| 05/17/99    | 170.47          | 165.82             | 4.65           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 08/24/99    | 170.47          | 164.76             | 5.71           | --                 | 352          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/19/99    | 170.47          | 164.64             | 5.83           | --                 | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 02/03/00    | 170.47          | 165.55             | 4.92           | --                 | 140          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE        | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes        | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | 1,2-DCE | TCE | DCFM | PCE | MTBE |
|-------------|-----------------|--------------------|----------------|--------------|--------------|---------|---------|---------------|--------|---------|-----|------|-----|------|
| <b>MW-4</b> |                 |                    |                |              |              |         |         |               |        |         |     |      |     |      |
| 10/29/93    | 170.68          | 165.18             | 5.50           | --           | 640          | 6.7     | 3.3     | 0.6           | 6.7    | --      | --  | --   | --  | --   |
| 02/25/94    | 170.68          | 165.86             | 4.82           | --           | 450          | 20      | 0.8     | 12            | 6.0    | --      | --  | --   | --  | --   |
| 04/04/94    | 170.68          | 165.23             | 5.45           | --           | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 04/29/94    | 170.68          | 165.45             | 5.23           | --           | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 06/13/94    | 170.68          | 165.14             | 5.54           | --           | 1700         | 130     | 1.4     | 100           | 11     | 22      | 59  | 13   | 180 | --   |
| 06/30/94    | 170.68          | 165.13             | 5.55           | --           | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 07/28/94    | 170.68          | 165.06             | 5.62           | --           | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 08/31/94    | 170.68          | 165.00             | 5.68           | --           | 800          | 17      | 3.5     | 9.3           | 4.4    | 25      | 53  | 22   | 510 | --   |
| 11/11/94    | 170.68          | 165.46             | 5.22           | --           | 500          | 26      | <0.5    | 30            | 4.3    | --      | --  | --   | --  | --   |
| 02/01/95    | 170.68          | 165.12             | 5.56           | --           | 1600         | 180     | <2.0    | 31            | 42     | --      | --  | --   | --  | --   |
| 05/18/95    | 170.68          | 165.70             | 4.98           | --           | 1300         | 130     | <2.0    | 140           | 5.5    | --      | --  | --   | --  | --   |
| 08/22/95    | 170.68          | 165.35             | 5.33           | --           | 970          | 50      | <1.2    | 75            | <1.2   | --      | --  | --   | --  | --   |
| 11/01/95    | 170.68          | 165.28             | 5.40           | --           | 320          | 3.3     | <0.5    | 4.1           | <0.5   | --      | --  | --   | --  | 27   |
| 01/26/96    | 170.68          | 166.40             | 4.28           | --           | 1400         | 65      | <2.5    | 98            | 71     | --      | --  | --   | --  | 100  |
| 05/08/96    | 170.68          | 165.33             | 5.35           | --           | 610          | 28      | 1.2     | 58            | 4.4    | --      | --  | --   | --  | 70   |
| 10/03/96    | 171.70          | 165.48             | 6.22           | --           | 210          | 4.2     | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | 12   |
| 02/04/97    | 171.70          | 166.57             | 5.13           | --           | 60           | 4.4     | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 04/30/97    | 171.70          | 165.60             | 6.10           | --           | 870          | 49      | <2.0    | 100           | <2.0   | --      | --  | --   | --  | 18   |
| 07/22/97    | 171.70          | 165.36             | 6.34           | --           | 420          | 16      | <0.5    | 23            | <0.5   | --      | --  | --   | --  | 9.4  |
| 11/03/97    | 171.70          | 165.35             | 6.35           | --           | 370          | 8.1     | 0.54    | 10            | 7.6    | --      | --  | --   | --  | 30   |
| 02/11/98    | 171.70          | 167.16             | 4.54           | --           | <50          | 2.0     | 0.58    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 05/08/98    | 171.70          | 166.25             | 5.45           | --           | 230          | 13      | 2.3     | 37            | 4.3    | --      | --  | --   | --  | 15   |
| 08/07/98    | 171.70          | 166.57             | 5.13           | --           | 85           | 4.8     | <0.5    | 11            | 0.87   | --      | --  | --   | --  | 57   |
| 11/05/98    | 171.70          | 165.31             | 6.39           | --           | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 03/02/99    | 171.70          | 166.65             | 5.05           | --           | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <5.0 |
| 05/17/99    | 171.70          | 166.40             | 5.30           | --           | <50          | 0.9     | <0.5    | 0.843         | <0.5   | --      | --  | --   | --  | <5.0 |
| 08/24/99    | 171.70          | 164.35             | 7.35           | --           | <50          | 0.893   | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/19/99    | 171.70          | --                 | --             | Inaccessible | --           | --      | --      | --            | --     | --      | --  | --   | --  | --   |
| 02/03/00    | 171.70          | 166.35             | 5.35           | --           | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | 2.9  |

## 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 | 1,2-DCE | TCE | DCFM | PCE | MTBE |
|-------------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|---------|-----|------|-----|------|
| <b>TRIP BLANK</b> |                 |                    |                |       |              |         |         |               |        |         |     |      |     |      |
| 02/25/94          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 06/13/94          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 08/31/94          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 11/11/94          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 02/01/95          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 05/18/95          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 08/22/95          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 11/01/95          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 01/26/96          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | --   |
| 05/08/96          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 10/03/96          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 02/04/97          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 04/30/97          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 07/22/97          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 02/11/98          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 05/08/98          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 08/07/98          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/05/98          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 03/02/99          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <5.0 |
| 05/17/99          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <5.0 |
| 08/24/99          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 11/19/99          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |
| 02/03/00          | --              | --                 | --             | --    | <50          | <0.5    | <0.5    | <0.5          | <0.5   | --      | --  | --   | --  | <2.5 |

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.

Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

New survey information drawn from the October 11, 1996 Ron Archer Civil Engineer Inc. report.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons

1,2-DCE = 1,2-Dichloroethene

TCE = Trichloroethene

DCFM = Dichlorodifluoromethane

PCE = Tetrachloroethene

MTBE = Methyl t-Butyl Ether

# Analytical Appendix



18 February, 2000

Scott Boor  
Blaine Tech Services (Chev)  
1680 Rogers Avenue  
San Jose, CA 95112

RE: Chevron

Enclosed are the results of analyses for samples received by the laboratory on 04-Feb-00 09:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Melissa Brewer  
Project Manager





Blaine Tech Services (Chev)  
1680 Rogers Avenue  
San Jose CA. 95112

Project: Chevron  
Project Number: Chevron # 9-4930  
Project Manager: Scott Boor

**Reported:**  
18-Feb-00 07:41

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled    | Date Received   |
|-----------|---------------|--------|-----------------|-----------------|
| MW-1      | W002169-01    | Water  | 03-Feb-00 15:05 | 04-Feb-00 09:05 |
| MW-2      | W002169-02    | Water  | 03-Feb-00 14:20 | 04-Feb-00 09:05 |
| MW-3      | W002169-03    | Water  | 03-Feb-00 15:30 | 04-Feb-00 09:05 |
| MW-4      | W002169-04    | Water  | 03-Feb-00 14:42 | 04-Feb-00 09:05 |
| TB        | W002169-05    | Water  | 03-Feb-00 00:00 | 04-Feb-00 09:05 |

Sequoia Analytical - Walnut Creek

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

  
Melissa Brewer, Project Manager





Blaine Tech Services (Chev)  
1680 Rogers Avenue  
San Jose CA. 95112

Project: Chevron  
Project Number: Chevron # 9-4930  
Project Manager: Scott Boor

**Reported:**  
18-Feb-00 07:41

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT  
Sequoia Analytical - Walnut Creek**

| Analyte   | Result | Reporting Limit | Units  | Dilution | Batch   | Prepared  | Analyzed  | Method     | Notes |
|---|--------|-----------------|--------|----------|---------|-----------|-----------|------------|-------|
| <b>MW-1 (W002169-01) Water</b> <b>Sampled: 03-Feb-00 15:05</b> <b>Received: 04-Feb-00 09:05</b> <b>D-06</b> |        |                 |        |          |         |           |           |            |       |
| Purgeable Hydrocarbons  | 95     | 50              | ug/l   | 1        | 0B11001 | 11-Feb-00 | 11-Feb-00 | EPA        |       |
| Benzene   | 1.4    | 0.50            | "      | "        | "       | "         | "         | 8015M/8020 |       |
| Toluene   | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Ethylbenzene  | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Xylenes (total)   | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Methyl tert-butyl ether   | 15     | 2.5             | "      | "        | "       | "         | "         | "          |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>  |        | 102 %           | 70-130 | "        | "       | "         | "         | "          |       |
| <b>MW-2 (W002169-02) Water</b> <b>Sampled: 03-Feb-00 14:20</b> <b>Received: 04-Feb-00 09:05</b>             |        |                 |        |          |         |           |           |            |       |
| Purgeable Hydrocarbons  | ND     | 50              | ug/l   | 1        | 0B11001 | 11-Feb-00 | 11-Feb-00 | EPA        |       |
| Benzene   | ND     | 0.50            | "      | "        | "       | "         | "         | 8015M/8020 |       |
| Toluene   | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Ethylbenzene  | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Xylenes (total)   | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Methyl tert-butyl ether   | ND     | 2.5             | "      | "        | "       | "         | "         | "          |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>  |        | 101 %           | 70-130 | "        | "       | "         | "         | "          |       |
| <b>MW-3 (W002169-03) Water</b> <b>Sampled: 03-Feb-00 15:30</b> <b>Received: 04-Feb-00 09:05</b> <b>D-06</b> |        |                 |        |          |         |           |           |            |       |
| Purgeable Hydrocarbons  | 140    | 50              | ug/l   | 1        | 0B11001 | 11-Feb-00 | 11-Feb-00 | EPA        |       |
| Benzene   | ND     | 0.50            | "      | "        | "       | "         | "         | 8015M/8020 |       |
| Toluene   | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Ethylbenzene  | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Xylenes (total)   | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Methyl tert-butyl ether   | ND     | 2.5             | "      | "        | "       | "         | "         | "          |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>  |        | 102 %           | 70-130 | "        | "       | "         | "         | "          |       |

Sequoia Analytical - Walnut Creek

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Melissa Brewer, Project Manager





Blaine Tech Services (Chev)  
1680 Rogers Avenue  
San Jose CA, 95112

Project: Chevron  
Project Number: Chevron # 9-4930  
Project Manager: Scott Boor

**Reported:**  
18-Feb-00 07:41

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT  
Sequoia Analytical - Walnut Creek**

| Analyte  | Result | Reporting Limit | Units  | Dilution | Batch   | Prepared  | Analyzed  | Method     | Notes |
|--|--------|-----------------|--------|----------|---------|-----------|-----------|------------|-------|
| <b>MW-4 (W002169-04) Water</b> Sampled: 03-Feb-00 14:42    Received: 04-Feb-00 09:05 |        |                 |        |          |         |           |           |            |       |
| Purgeable Hydrocarbons   | ND     | 50              | ug/l   | 1        | 0B11001 | 11-Feb-00 | 11-Feb-00 | EPA        |       |
| Benzene  | ND     | 0.50            | "      | "        | "       | "         | "         | 8015M/8020 |       |
| Toluene  | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Ethylbenzene   | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Xylenes (total)  | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Methyl tert-butyl ether  | 2.9    | 2.5             | "      | "        | "       | "         | "         | "          |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>   |        | 100 %           | 70-130 |          | "       | "         | "         | "          |       |
| <b>TB (W002169-05) Water</b> Sampled: 03-Feb-00 00:00    Received: 04-Feb-00 09:05   |        |                 |        |          |         |           |           |            |       |
| Purgeable Hydrocarbons   | ND     | 50              | ug/l   | 1        | 0B11001 | 11-Feb-00 | 11-Feb-00 | EPA        |       |
| Benzene  | ND     | 0.50            | "      | "        | "       | "         | "         | 8015M/8020 |       |
| Toluene  | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Ethylbenzene   | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Xylenes (total)  | ND     | 0.50            | "      | "        | "       | "         | "         | "          |       |
| Methyl tert-butyl ether  | ND     | 2.5             | "      | "        | "       | "         | "         | "          |       |
| <i>Surrogate: a,a,a-Trifluorotoluene</i>   |        | 94.7 %          | 70-130 |          | "       | "         | "         | "          |       |

Sequoia Analytical - Walnut Creek

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Melissa Brewer, Project Manager







Blaine Tech Services (Chev)  
1680 Rogers Avenue  
San Jose CA, 95112

Project: Chevron  
Project Number: Chevron # 9-4930  
Project Manager: Scott Boor

Reported:  
18-Feb-00 07:41

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control  
Sequoia Analytical - Walnut Creek**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 0B11001: Prepared 11-Feb-00 Using EPA 5030B [P/T]**

**Blank (0B11001-BLK1)**

|  |             |      |          |             |  |            |               |  |  |  |
|--|-------------|------|----------|-------------|--|------------|---------------|--|--|--|
| Purgeable Hydrocarbons                   | ND          | 50   | ug/l     |             |  |            |               |  |  |  |
| Benzene                                  | ND          | 0.50 | "        |             |  |            |               |  |  |  |
| Toluene                                  | ND          | 0.50 | "        |             |  |            |               |  |  |  |
| Ethylbenzene                             | ND          | 0.50 | "        |             |  |            |               |  |  |  |
| Xylenes (total)                          | ND          | 0.50 | "        |             |  |            |               |  |  |  |
| Methyl tert-butyl ether                  | ND          | 2.5  | "        |             |  |            |               |  |  |  |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>31.1</i> |      | <i>"</i> | <i>30.0</i> |  | <i>104</i> | <i>70-130</i> |  |  |  |

**LCS (0B11001-BS1)**

|  |             |      |          |             |  |             |               |  |  |  |
|--|-------------|------|----------|-------------|--|-------------|---------------|--|--|--|
| Benzene                                  | 20.0        | 0.50 | ug/l     | 20.0        |  | 100         | 70-130        |  |  |  |
| Toluene                                  | 20.3        | 0.50 | "        | 20.0        |  | 101         | 70-130        |  |  |  |
| Ethylbenzene                             | 18.7        | 0.50 | "        | 20.0        |  | 93.5        | 70-130        |  |  |  |
| Xylenes (total)                          | 66.1        | 0.50 | "        | 60.0        |  | 110         | 70-130        |  |  |  |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>27.9</i> |      | <i>"</i> | <i>30.0</i> |  | <i>93.0</i> | <i>70-130</i> |  |  |  |

**Matrix Spike (0B11001-MS1)**

Source: W002168-13

|  |             |      |          |             |    |             |               |  |  |  |
|--|-------------|------|----------|-------------|----|-------------|---------------|--|--|--|
| Benzene                                  | 17.9        | 0.50 | ug/l     | 20.0        | ND | 89.5        | 70-130        |  |  |  |
| Toluene                                  | 18.1        | 0.50 | "        | 20.0        | ND | 90.5        | 70-130        |  |  |  |
| Ethylbenzene                             | 15.9        | 0.50 | "        | 20.0        | ND | 79.5        | 70-130        |  |  |  |
| Xylenes (total)                          | 58.8        | 0.50 | "        | 60.0        | ND | 98.0        | 70-130        |  |  |  |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>24.5</i> |      | <i>"</i> | <i>30.0</i> |    | <i>81.7</i> | <i>70-130</i> |  |  |  |

**Matrix Spike Dup (0B11001-MSD1)**

Source: W002168-13

|  |             |      |          |             |    |             |               |      |    |  |
|--|-------------|------|----------|-------------|----|-------------|---------------|------|----|--|
| Benzene                                  | 20.0        | 0.50 | ug/l     | 20.0        | ND | 100         | 70-130        | 11.1 | 20 |  |
| Toluene                                  | 20.4        | 0.50 | "        | 20.0        | ND | 102         | 70-130        | 11.9 | 20 |  |
| Ethylbenzene                             | 19.1        | 0.50 | "        | 20.0        | ND | 95.5        | 70-130        | 18.3 | 20 |  |
| Xylenes (total)                          | 66.3        | 0.50 | "        | 60.0        | ND | 111         | 70-130        | 12.0 | 20 |  |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>27.3</i> |      | <i>"</i> | <i>30.0</i> |    | <i>91.0</i> | <i>70-130</i> |      |    |  |

Sequoia Analytical - Walnut Creek

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Melissa Brewer, Project Manager





Blaine Tech Services (Chev)  
1680 Rogers Avenue  
San Jose CA, 95112

Project: Chevron  
Project Number: Chevron # 9-4930  
Project Manager: Scott Boor

Reported:  
18-Feb-00 07:41

### Notes and Definitions

D-06 Discrete peaks.  
DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference



Fax copy of Lab Report and COC to Chevron Contact:

Yes  
 No

Chain-of-Custody-Record

|   |   |   |
|---|---|---|
| Chevron Products Co.<br>P.O. BOX 6004<br>San Ramon, CA 94583<br>FAX (925)842-8370 | Chevron Facility Number <u>9-4930</u>                           | Chevron Contact Name) <u>Brett Hunter</u>             |
|   | Facility Address <u>3369 Castro Valley Blvd., Castro Valley</u> | (Phone) <u>(925) 842-8695</u>                         |
|   | Consultant Project Number <u>000203-52</u>                      | Laboratory Name <u>Sequoia</u>                        |
|   | Consultant Name <u>Blaine Tech Services, Inc.</u>               | Laboratory Service Order <u>9144488</u> <u>W02/69</u> |
|   | Address <u>1680 Rogers Ave., San Jose</u>                       | Laboratory Service Code <u>ZZ02790</u>                |
| Project Contact (Name) <u>Scott Boor</u>  | Samples collected by (Name) <u>KPS</u>                          |   |
| (Phone) <u>408-573-0555</u> (Fax) <u>408-573-7771</u>                             | Signature <u>Blaine Sullivan</u>                                |   |

State Method:  CA  OR  WA  NW Series  CO  UT

| Sample Number | Number of Containers | Matrix<br>S = Soil<br>W = Water<br>C = Chitobaal | A = Air<br>C = Chitobaal | Sample Preservation | Date/Time    | State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT |                              |                   |                   |                              |                           |                             |                       |  |             |                        |            |                  | Remarks |
|---------------|----------------------|--|--------------------------|---------------------|--------------|--|------------------------------|-------------------|-------------------|------------------------------|---------------------------|-----------------------------|-----------------------|--|-------------|------------------------|------------|------------------|---------|
|               |                      |  |                          |                     |              | BTEX/MTBE + TPH GAS (8020 + 8015)  | BTEX + TPH GAS (8020 + 8015) | TPH Diesel (8015) | Oxygenates (8260) | Purgeable Halocarbons (8010) | Purgeable Organics (8270) | Extractable Organics (8270) | Oil and Grease (5520) | Metals (ICAP or AA) Cd, Cr, Pb, Zn, Ni | BTEX (8020) | BTEX/MTBE/Naph. (8020) | TPH - HCID | TPH - D Extended |         |
| MW-1          | 3                    | W  | Hcl                      |                     | 2/3/00 15:05 | X  |                              |                   |                   |                              |                           |                             |                       |  |             |                        |            |                  | 01 A-L  |
| MW-2          | 1                    |  |                          |                     | 14:20        |  |                              |                   |                   |                              |                           |                             |                       |  |             |                        |            |                  | 02      |
| MW-3          | 1                    |  |                          |                     | 15:30        |  |                              |                   |                   |                              |                           |                             |                       |  |             |                        |            |                  | 03      |
| MW-4          | 1                    |  |                          |                     | 14:42        |  |                              |                   |                   |                              |                           |                             |                       |  |             |                        |            |                  | 04      |
| TB            | 2                    |  |                          |                     | -            |  |                              |                   |                   |                              |                           |                             |                       |  |             |                        |            |                  | 05 A-B  |

|  |                        |                              |   |                             |                              |          |   |
|--|------------------------|------------------------------|---|-----------------------------|------------------------------|----------|---|
| Relinquished By (Signature) <u>Blaine Sullivan</u> | Organization <u>BT</u> | Date/Time <u>2/4/00 9:05</u> | Received By (Signature) <u>[Signature]</u>                | Organization <u>Sequoia</u> | Date/Time <u>2/4/00 9:05</u> | Iced Y/N | Turn Around Time (Circle One)<br>24 Hrs.<br>48 Hrs.<br>5 Days<br>10 Days<br>As Contracted |
| Relinquished By (Signature) <u>[Signature]</u>     | Organization           | Date/Time <u>2/4/00</u>      | Received By (Signature) <u>[Signature]</u>                | Organization                | Date/Time                    | Iced Y/N |   |
| Relinquished By (Signature) <u>[Signature]</u>     | Organization <u>SA</u> | Date/Time <u>2/4</u>         | Received For Laboratory By (Signature) <u>[Signature]</u> |                             | Date/Time <u>2/7 15:07</u>   | Iced Y/N |   |

COC-3, DWG-07-98/HCH

# Field Data Sheets



4

## CHEVRON WELL MONITORING DATA SHEET

|                          |                                   |
|--------------------------|-----------------------------------|
| Project #: 000203-52     | Station #: 9-4930                 |
| Sampler: KPS             | Date: 2/3/00                      |
| Well I.D.: MW-1          | Well Diameter: (2) 3 4 6 8        |
| Total Well Depth: 18.36  | Depth to Water: 5.23              |
| Depth to Free Product:   | Thickness of Free Product (feet): |
| Referenced to: PVC Grade | D.O. Meter (if req'd): YSI HACH   |

Purge Method:

Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

2.1 (Gals.) X 3 = 6.3 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

| Time  | Temp (°F) | pH  | Cond. | Gals. Removed | Observations |
|-------|-----------|-----|-------|---------------|--------------|
| 14:50 | 71.5      | 7.2 | 102   | 2.5           |              |
| 14:53 | 72.0      | 7.1 | 1103  | 5             |              |
| 14:56 | 71.9      | 7.1 | 1107  | 7             |              |
|       |           |     |       |               |              |
|       |           |     |       |               |              |

Did well dewater? Yes  No  Gallons actually evacuated: 9

Sampling Time: 15:05      Sampling Date: 2/3/00

Sample I.D.: MW-1      Laboratory: STL  Sequoia  Other

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

4

|                          |                                   |
|--------------------------|-----------------------------------|
| Project #: 000203-52     | Station #: 9-4930                 |
| Sampler: KPS             | Date: 2/3/00                      |
| Well I.D.: MW-2          | Well Diameter: (2) 3 4 6 8        |
| Total Well Depth: 16.62  | Depth to Water: 5.43              |
| Depth to Free Product:   | Thickness of Free Product (feet): |
| Referenced to: PVC Grade | D.O. Meter (if req'd): YSI HACH   |

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other \_\_\_\_\_

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: \_\_\_\_\_

1.8 (Gals.) X 3 = 5.4 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

| Time  | Temp (°F) | pH  | Cond. | Gals. Removed | Observations |
|-------|-----------|-----|-------|---------------|--------------|
| 14:05 | 71.9      | 6.8 | 127   | 3             | /            |
| 14:08 | 70.5      | 6.6 | 1359  | 4             |              |
| 14:11 | 71.6      | 6.6 | 1248  | 6             |              |
|       |           |     |       |               |              |

Did well dewater? Yes  No  Gallons actually evacuated: 6

Sampling Time: 14:20      Sampling Date: 2/3/00

Sample I.D.: MW-2      Laboratory: STL Sequoia Other

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

4

## CHEVRON WELL MONITORING DATA SHEET

|                          |                                   |
|--------------------------|-----------------------------------|
| Project #: 000203-52     | Station #: 9-4930                 |
| Sampler: KPS             | Date: 2/3/00                      |
| Well I.D.: MW-3          | Well Diameter: (2) 3 4 6 8        |
| Total Well Depth: 16.98  | Depth to Water: 4.92              |
| Depth to Free Product:   | Thickness of Free Product (feet): |
| Referenced to: PVC Grade | D.O. Meter (if req'd): YSI HACH   |

Purge Method:

- Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible
- Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

- Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

1.9 (Gals.) X 2 = 57 Gals.  
 Case Volume      Specified Volumes      Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

| Time  | Temp (°F) | pH  | Cond. | Gals. Removed | Observations |
|-------|-----------|-----|-------|---------------|--------------|
| 15:15 | 72.0      | 7.2 | 482   | 3             | /            |
| 15:18 | 71.8      | 7.1 | 452   | 4             |              |
| 15:21 | 71.7      | 7.1 | 453   | 6             |              |
|       |           |     |       |               |              |
|       |           |     |       |               |              |

Did well dewater? Yes  No  Gallons actually evacuated: 6

Sampling Time: 15:30 Sampling Date: 2/3/00

Sample I.D.: MW-3 Laboratory: STL  Sequoia  Other

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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**

4

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Project #: <u>000203-52</u>     | Station #: <u>9-4930</u>          |
| Sampler: <u>KPS</u>             | Date: <u>2/3/00</u>               |
| Well I.D.: <u>MW-4</u>          | Well Diameter: <u>(2)</u> 3 4 6 8 |
| Total Well Depth: <u>17.65</u>  | Depth to Water: <u>5.35</u>       |
| Depth to Free Product:          | Thickness of Free Product (feet): |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH   |

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other \_\_\_\_\_

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: \_\_\_\_\_

2 (Gals.) X 3 = 6 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

| Well Diameter | Multiplier | Well Diameter | Multiplier                  |
|---------------|------------|---------------|-----------------------------|
| 1"            | 0.04       | 4"            | 0.65                        |
| 2"            | 0.16       | 6"            | 1.47                        |
| 3"            | 0.37       | Other         | radius <sup>2</sup> * 0.163 |

| Time         | Temp (°F)   | pH         | Cond.       | Gals. Removed | Observations |
|--------------|-------------|------------|-------------|---------------|--------------|
| <u>14:30</u> | <u>71.8</u> | <u>7.1</u> | <u>1102</u> | <u>2</u>      | /            |
| <u>14:33</u> | <u>70.1</u> | <u>7.0</u> | <u>1059</u> | <u>4</u>      |              |
| <u>14:36</u> | <u>70.9</u> | <u>7.0</u> | <u>1107</u> | <u>6</u>      |              |
|              |             |            |             |               |              |

Did well dewater? Yes  No  Gallons actually evacuated: 6

Sampling Time: 14:42 Sampling Date: 2/3/00

Sample I.D.: MW-4 Laboratory: STL Sequoia Other

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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