

# BLAINE TECH SERVICES INC.

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

March 29, 1996

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

## 1st Quarter 1996 Monitoring at 9-0290

First Quarter 1996 Groundwater Monitoring at  
Chevron Service Station Number 9-0290  
1802 Webster Street  
Alameda, CA

Monitoring Performed on February 8, 1996

### Groundwater Sampling Report 960208-V-1

This report covers the routine quarterly monitoring of groundwater wells at this Chevron facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three-case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to Chevron's Richmond Refinery for disposal.

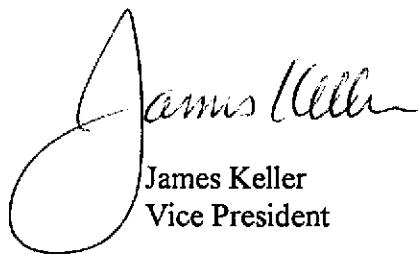
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix**.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,



James Keller  
Vice President

JKP/dk

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

# **Professional Engineering Appendix**

VACANT  
LOT

PARKING  
LOT

BUILDING

WELL SURVEY

B-7  
NS

UNDERGROUND  
STORAGE TANKS

WQD

B-10  
6.87

B-5  
6.38 7.0

B-11  
7.54

B-12  
6.56

B-4

PUMP  
ISLANDS

B-3 A-2

B-13 6.72

B-1 8.12

A-1 7.03

LPH

FORMER  
WASTE OIL TANK

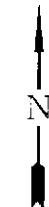
WASTE OIL TANK

B-6 7.27

B-8 NS

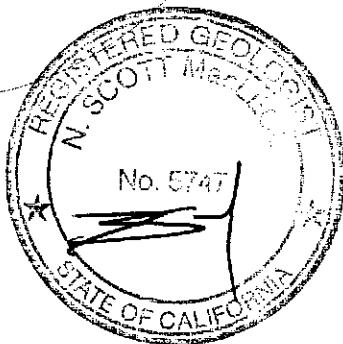
PARKING  
LOT

APARTMENT  
BUILDING



B-9

BUENA VISTA AVENUE



## LEGEND

- PROPERTY LINE
- MONITORING WELL
- ABANDONED MONITORING WELL
- LPH LIQUID-PHASE HYDROCARBONS; NOT GAUGED
- NS NOT SURVEYED
- X.XX POTENTIOMETRIC SURFACE ELEVATION (FT)
- POTENTIOMETRIC SURFACE CONTOUR
- ← GROUNDWATER FLOW DIRECTION

B.P. STATION

0 FEET 40  
SCALE

### NOTE:

1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL

Base map from Groundwater Technology, Inc.



CAMBRIA

Environmental Technology, Inc.

Chevron Station 9-0290  
1802 Webster Street  
Alameda, California

ICHEVRON9-02900290-QM.DWG

Ground Water Elevation

February 6, 1996

FIGURE

1

# **Table of Well Data and Analytical Results**

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons

Analytical results are in parts per billion (ppb)

| DATE     | Well  | Ground | Depth    | Total         |             |             | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE |
|----------|-------|--------|----------|---------------|-------------|-------------|-------|--------------|---------|---------|---------------|--------|-----|------------|------|
|          | Head  | Water  | To Water | SPH Thickness | SPH Removed | SPH Removed |       |              |         |         |               |        |     |            |      |
|          | A-1   |        |          |               |             |             |       |              |         |         |               |        |     |            |      |
| 09/20/91 | 8.13  | 0.48   | 9.23     | 1.58          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 10/09/91 | 8.13  | 1.46   | 6.67     | 0.00          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 10/17/91 | 8.13  | 1.43   | 7.28     | 0.58          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 10/23/91 | 8.13  | 1.36   | 7.42     | 0.65          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 11/01/91 | 8.13  | 1.49   | 7.14     | 0.50          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 11/07/91 | 8.13  | 1.50   | 7.14     | 0.51          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 11/15/91 | 8.13  | 1.47   | 7.19     | 0.53          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 11/21/91 | 8.13  | 1.28   | 7.28     | 0.54          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 12/12/91 | 8.13  | 1.29   | 7.33     | 0.49          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 12/30/91 | 8.13  | 1.73   | 6.76     | 0.36          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 01/13/92 | 8.13  | 2.21   | 6.29     | 0.37          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 01/22/92 | 8.13  | 2.15   | 6.43     | 0.45          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 02/12/92 | 8.13  | 2.21   | 6.30     | 0.38          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 03/09/92 | 8.13  | 3.14   | 5.30     | 0.31          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 04/10/92 | 8.13  | 2.83   | 5.37     | 0.07          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 05/18/92 | 8.13  | 2.39   | 6.14     | 0.40          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 01/06/93 | 8.13  | --     | --       | --            | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 02/03/93 | 8.13  | --     | --       | --            | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 04/23/93 | 11.56 | 6.19   | 5.85     | 0.60          | --          | --          | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 06/11/93 | 11.56 | --     | --       | --            | 2.00        | 2.00        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 06/15/93 | 11.56 | --     | --       | --            | 0.13        | 2.13        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 06/18/93 | 11.56 | --     | --       | --            | 0.13        | 2.26        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 06/22/93 | 11.56 | --     | --       | --            | 0.50        | 2.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 06/29/93 | 11.56 | --     | --       | --            | --          | 2.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 07/09/93 | 11.56 | --     | --       | --            | --          | 2.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 07/15/93 | 11.56 | --     | --       | --            | --          | 2.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 07/19/93 | 11.56 | 5.54   | 6.23     | 0.26          | 2.00        | 4.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 07/20/93 | 11.56 | --     | --       | --            | --          | 4.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 07/27/93 | 11.56 | --     | --       | --            | --          | 4.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 08/06/93 | 11.56 | --     | --       | --            | --          | 4.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 08/10/93 | 11.56 | --     | --       | --            | --          | 4.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |
| 08/16/93 | 11.56 | --     | --       | --            | --          | 4.76        | --    | --           | --      | --      | --            | --     | --  | --         | --   |

Continued on next page

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |                    |                       |                   | Volumetric Measurements are in gallons |                |                         |       | Analytical results are in parts per billion (ppb) |         |         |               |        |     |            |      |
|------------------------------------|--------------------|-----------------------|-------------------|--|----------------|-------------------------|-------|---|---------|---------|---------------|--------|-----|------------|------|
| DATE                               | Well Head<br>Elev. | Ground Water<br>Elev. | Depth<br>To Water | SPH<br>Thickness                       | SPH<br>Removed | Total<br>SPH<br>Removed | Notes | TPH-Gasoline                                      | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG | TPH-Diesel | MTBE |
| <b>A-1 (CONT'D)</b>                |                    |                       |                   |  |                |                         |       |   |         |         |               |        |     |            |      |
| 09/16/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 09/24/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 10/01/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 10/07/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 10/13/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 10/19/93                           | 11.56              | --                    | --                | 0.10                                   | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 10/20/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 10/28/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 11/12/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 11/19/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 11/30/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 12/10/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 12/16/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 12/23/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 12/29/93                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 01/03/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 01/17/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 01/26/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 02/07/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 02/11/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 02/18/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 02/25/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 03/04/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 03/11/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 03/16/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 03/25/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 04/01/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 08/18/94                           | 11.56              | --                    | --                | --                                     | --             | 4.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 11/30/94                           | 11.56              | --                    | --                | 2.00                                   | --             | 6.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 02/15/95                           | 11.56              | --                    | 4.79              | --                                     | --             | 6.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 05/01/95                           | 11.56              | --                    | --                | --                                     | --             | 6.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 08/04/95                           | 11.56              | --                    | --                | --                                     | --             | 6.76                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 11/29/95                           | 11.56              | 5.24                  | 6.38              | 0.08                                   | 0.03           | 6.79                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |
| 02/08/96                           | 11.56              | 7.03                  | 4.57              | 0.05                                   | 0.00           | 6.79                    | --    | --  | --      | --      | --            | --     | --  | --         | --   |

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |                 |                    |                |               |             |                   |       |              |         | Volumetric Measurements are in gallons |               |        | Analytical results are in parts per billion (ppb) |            |      |  |  |  |  |
|------------------------------------|-----------------|--------------------|----------------|---------------|-------------|-------------------|-------|--------------|---------|--|---------------|--------|---|------------|------|--|--|--|--|
| DATE                               | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene                                | Ethyl-Benzene | Xylene | TOG   | TPH-Diesel | MTBE |  |  |  |  |
| <b>A-2</b>                         |                 |                    |                |               |             |                   |       |              |         |  |               |        |   |            |      |  |  |  |  |
| 09/20/91                           | 8.00            | 0.27               | 7.73           | 0.00          | --          | --                | --    | 8100         | 860     | 14                                     | 110           | 53     | --  | 5100       | --   |  |  |  |  |
| 10/09/91                           | 8.00            | 1.39               | 6.61           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 10/17/91                           | 8.00            | 1.34               | 6.66           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 10/23/91                           | 8.00            | 1.29               | 6.80           | 0.09          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 11/01/91                           | 8.00            | 1.45               | 6.63           | 0.15          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 11/07/91                           | 8.00            | 1.45               | 6.64           | 0.21          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 11/15/91                           | 8.00            | 1.38               | 6.81           | 0.19          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 11/21/91                           | 8.00            | 1.31               | 6.93           | 0.24          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 12/12/91                           | 8.00            | 1.24               | 6.97           | 0.15          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 12/30/91                           | 8.00            | 1.70               | 6.54           | 0.24          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 01/13/92                           | 8.00            | 2.16               | 5.92           | 0.08          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 01/22/92                           | 8.00            | 2.00               | 6.01           | 0.10          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 02/12/92                           | 8.00            | 2.20               | 6.06           | 0.26          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 03/09/92                           | 8.00            | 3.11               | 4.93           | 0.04          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 04/10/92                           | 8.00            | 2.80               | 5.20           | <0.01         | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 05/18/92                           | 8.00            | 2.36               | 5.66           | 0.02          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 01/06/93                           | 8.00            | --                 | --             | --            | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 02/03/93                           | 8.00            | 3.20               | 4.98           | 0.22          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 04/23/93                           | 11.46           | 6.24               | 5.36           | 0.18          | --          | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 06/11/93                           | 11.46           | --                 | --             | 0.13          | 1.00        | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 06/15/93                           | 11.46           | --                 | --             | 0.13          | 1.13        | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 06/18/93                           | 11.46           | --                 | --             | 0.26          | 1.39        | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 06/22/93                           | 11.46           | --                 | --             | 0.50          | 1.89        | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 06/29/93                           | 11.46           | --                 | --             | --            | 1.89        | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 07/09/93                           | 11.46           | --                 | --             | --            | 1.89        | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 07/15/93                           | 11.46           | --                 | --             | --            | 1.89        | --                | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 07/19/93                           | 11.46           | 5.53               | 6.79           | 1.07          | --          | 1.89              | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 07/20/93                           | 11.46           | --                 | --             | --            | --          | 1.89              | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 07/27/93                           | 11.46           | --                 | --             | --            | --          | 1.89              | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 08/06/93                           | 11.46           | --                 | --             | --            | --          | 1.89              | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 08/10/93                           | 11.46           | --                 | --             | --            | --          | 1.89              | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |
| 08/16/93                           | 11.46           | --                 | --             | --            | --          | 1.89              | --    | --           | --      | --                                     | --            | --     | --  | --         | --   |  |  |  |  |

Continued on next page

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |                    |                          |                      |                  |                |                         | Volumetric Measurements are in gallons |                  |         | Analytical results are in parts per billion (ppb) |                   |        |     |                |      |    |
|------------------------------------|--------------------|--------------------------|----------------------|------------------|----------------|-------------------------|--|------------------|---------|---|-------------------|--------|-----|----------------|------|----|
| DATE                               | Well Head<br>Elev. | Ground<br>Water<br>Elev. | Depth<br>To<br>Water | SPH<br>Thickness | SPH<br>Removed | Total<br>SPH<br>Removed | Notes                                  | TPH-<br>Gasoline | Benzene | Toluene   | Ethyl-<br>Benzene | Xylene | TOG | TPH-<br>Diesel | MTBE |    |
|                                    |                    |                          |                      |                  |                |                         |  |                  |         |   |                   |        |     |                |      |    |
| <b>A-2 (CONT'D)</b>                |                    |                          |                      |                  |                |                         |  |                  |         |   |                   |        |     |                |      |    |
| 09/16/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 09/24/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 10/01/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 10/07/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 10/13/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 10/19/93                           | 11.46              | 6.23                     | 6.36                 | 1.41             | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 10/20/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 10/28/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 11/12/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 11/19/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 11/30/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 12/10/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 12/16/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 12/23/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 12/29/93                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 01/03/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 01/17/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 01/26/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 02/07/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 02/11/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 02/18/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 02/25/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 03/04/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 03/11/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 03/16/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 03/25/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | --                                     | --               | --      | --  | --                | --     | --  | --             | --   | -- |
| 04/01/94                           | 11.46              | --                       | --                   |                  | --             | 1.89                    | Destroyed                              | --               | --      | --  | --                | --     | --  | --             | --   | -- |

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |       |        |          |       |     |           | Volumetric Measurements are in gallons |              |         | Analytical results are in parts per billion (ppb) |               |        |       |            |      |  |
|------------------------------------|-------|--------|----------|-------|-----|-----------|--|--------------|---------|---|---------------|--------|-------|------------|------|--|
| DATE                               | Well  | Ground | Depth    | Total |     |           | Notes                                  | TPH-Gasoline | Benzene | Toluene   | Ethyl-Benzene | Xylene | TOG   | TPH-Diesel | MTBE |  |
|                                    | Head  | Water  | To Water | SPH   | SPH | Thickness |  |              | Removed | Removed   |               |        |       |            |      |  |
| B-1                                |       |        |          |       |     |           |  |              |         |   |               |        |       |            |      |  |
| 04/23/93                           | 12.12 | 6.19   | 5.93     | 0.00  | --  | --        | --                                     | 13,000       | 4900    | 22  | 250           | 47     | --    | 8300       | --   |  |
| 07/19/93                           | 12.12 | 5.46   | 6.66     | 0.00  | --  | --        | --                                     | 3300         | 1200    | 16  | 24            | <30    | --    | 1600       | --   |  |
| 10/19/93                           | 12.12 | 5.04   | 7.08     | 0.00  | --  | --        | --                                     | 2300         | 730     | 18  | 14            | 31     | --    | 550        | --   |  |
| 01/17/94                           | 12.12 | 5.39   | 6.73     | 0.00  | --  | --        | --                                     | 22,000       | 6500    | 170   | 210           | 430    | --    | <50        | --   |  |
| 08/18/94                           | 12.12 | 5.27   | 6.85     | 0.00  | --  | --        | Inaccessible                           | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 11/30/94                           | 12.12 | 6.11   | 6.01     | 0.00  | --  | --        | --                                     | 1500         | 250     | 17  | 7.5           | 19     | <5.0* | 3200**     | --   |  |
| 02/15/95                           | 12.12 | 6.75   | 5.37     | 0.00  | --  | --        | --                                     | 1000         | 160     | <2.0  | 4.6           | 2.6    | --    | 1300**     | --   |  |
| 05/01/95                           | 12.12 | 7.00   | 5.12     | 0.00  | --  | --        | --                                     | 140          | 20      | 0.52  | 2.0           | 0.67   | --    | 2600***    | --   |  |
| 08/04/95                           | 12.12 | 6.62   | 5.50     | 0.00  | --  | --        | --                                     | 6700         | 1400    | <20   | <20           | <20    | --    | 4900***    | --   |  |
| 11/29/95                           | 12.12 | 6.27   | 5.85     | 0.00  | --  | --        | --                                     | 9200         | 2200    | <25   | <25           | 25     | --    | 5000***    | 8300 |  |
| 02/08/96                           | 12.12 | 8.12   | 4.00     | 0.00  | --  | --        | --                                     | 1500         | 190     | <5.0  | <5.0          | <5.0   | --    | 1300***    | 2300 |  |

\* Analytical values are in parts per million (ppm).

\*\* Chromatogram pattern indicates a non-diesel mix.

\*\*\* Chromatogram pattern indicates an unidentified hydrocarbon.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons

Analytical results are in parts per billion (ppb)

| DATE       | Well          | Ground         | Depth       | Total            |                |                | Notes     | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | TOG   | TPH-Diesel | MTBE |
|------------|---------------|----------------|-------------|------------------|----------------|----------------|-----------|--------------|---------|---------|---------------|--------|-------|------------|------|
|            | Head<br>Elev. | Water<br>Elev. | To<br>Water | SPH<br>Thickness | SPH<br>Removed | SPH<br>Removed |           |              |         |         |               |        |       |            |      |
| <b>B-3</b> |               |                |             |                  |                |                |           |              |         |         |               |        |       |            |      |
| 09/20/91   | 8.01          | 1.08           | 6.94        | 0.01             | --             | --             |           |              |         |         |               |        |       |            |      |
| 10/09/91   | 8.01          | 1.66           | 6.35        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 10/17/91   | 8.01          | 1.57           | 6.44        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 10/23/91   | 8.01          | 1.53           | 6.84        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 11/01/91   | 8.01          | 1.70           | 6.31        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 11/07/91   | 8.01          | 1.69           | 6.32        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 11/15/91   | 8.01          | 1.62           | 6.39        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 11/21/91   | 8.01          | 1.57           | 6.44        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 12/12/91   | 8.01          | 1.19           | 6.82        | <0.01            | --             | --             |           |              |         |         |               |        |       |            |      |
| 12/30/91   | 8.01          | 1.64           | 6.37        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 01/13/92   | 8.01          | 2.07           | 5.94        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 01/22/92   | 8.01          | 2.02           | 5.99        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 02/12/92   | 8.01          | 2.19           | 5.82        | <0.01            | --             | --             |           |              |         |         |               |        |       |            |      |
| 03/09/92   | 8.01          | 2.91           | 5.10        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 04/10/92   | 8.01          | 2.65           | 5.36        | 0.00             | --             | --             |           |              |         |         |               |        |       |            |      |
| 05/18/92   | 8.01          | 2.29           | 5.72        | 0.00             | --             | --             |           | 6200         | 550     | 58      | 13            | 51     | <5000 | 250        |      |
| 01/06/93   | 8.01          | 2.51           | 5.50        | --               | --             | --             | Sheen     | 5400         | 490     | 54      | 51            | 82     | --    | 10,000     |      |
| 02/03/93   | 8.01          | --             | --          | --               | --             | --             |           |              |         |         |               |        |       |            |      |
| 04/23/93   | 11.42         | 6.10           | 5.32        | 0.00             | --             | --             |           | 18,000       | 540     | 69      | 47            | 120    | --    | 6400       |      |
| 07/29/93   | 11.42         | 5.48           | 5.94        | 0.00             | --             | --             |           | 40,000       | 780     | 69      | 49            | 150    | --    | 4000       |      |
| 10/19/93   | 11.42         | 5.10           | 6.32        | 0.00             | --             | --             |           | 20,000       | 520     | 37      | 43            | 100    | --    | 1500       |      |
| 01/17/94   | 11.42         | 4.47           | 6.95        | 0.00             | --             | --             | Destroyed | 3900         | 430     | 32      | 29            | 82     | --    | <50        |      |

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |                 |                    |                |               |             |                   | Volumetric Measurements are in gallons |              |         | Analytical results are in parts per billion (ppb) |               |        |       |            |      |  |
|------------------------------------|-----------------|--------------------|----------------|---------------|-------------|-------------------|--|--------------|---------|---|---------------|--------|-------|------------|------|--|
| DATE                               | Well Head Elev. | Ground Water Elev. | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes                                  | TPH-Gasoline | Benzene | Toluene   | Ethyl-Benzene | Xylene | TOG   | TPH-Diesel | MTBE |  |
| <b>B-4</b>                         |                 |                    |                |               |             |                   |  |              |         |   |               |        |       |            |      |  |
| 09/20/91                           | 8.04            | 1.22               | 6.82           | 0.01          | --          | --                | --                                     | 19,000       | 710     | 160   | 650           | 2000   | --    | 1400       | --   |  |
| 10/09/91                           | 8.04            | 1.41               | 6.63           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 10/17/91                           | 8.04            | 1.20               | 6.84           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 10/23/91                           | 8.04            | 1.17               | 6.87           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 11/01/91                           | 8.04            | 1.34               | 6.70           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 11/07/91                           | 8.04            | 1.31               | 6.73           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 11/15/91                           | 8.04            | 1.21               | 6.83           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 11/21/91                           | 8.04            | 1.20               | 6.84           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 12/12/91                           | 8.04            | 1.17               | 6.87           | <0.01         | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 12/30/91                           | 8.04            | 1.58               | 6.46           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 01/13/92                           | 8.04            | 2.13               | 5.91           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 01/22/92                           | 8.04            | 2.09               | 5.95           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 02/12/92                           | 8.04            | 2.26               | 5.78           | <0.01         | --          | --                | --                                     | 15,000       | 920     | 75  | 520           | 940    | --    | 860        | --   |  |
| 03/09/92                           | 8.04            | 2.95               | 5.09           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 04/10/92                           | 8.04            | 2.65               | 5.39           | 0.00          | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 05/18/92                           | 8.04            | 2.45               | 5.59           | 0.00          | --          | --                | --                                     | 19,000       | 2000    | 97  | 560           | 1200   | <5000 | <50        | --   |  |
| 01/06/93                           | 8.04            | 2.54               | 5.50           | --            | --          | --                | Sheen                                  | 19,000       | 2000    | 89  | 490           | 740    | --    | 2700       | --   |  |
| 02/03/93                           | 8.04            | --                 | --             | --            | --          | --                | --                                     | --           | --      | --  | --            | --     | --    | --         | --   |  |
| 04/23/93                           | 11.46           | 6.07               | 5.39           | 0.00          | --          | --                | --                                     | 5700         | 2400    | 75  | 380           | 580    | --    | 2300       | --   |  |
| 07/19/93                           | 11.46           | 5.33               | 6.13           | 0.00          | --          | --                | --                                     | 19,000       | 2400    | 140   | 440           | 620    | --    | 2400       | --   |  |
| 10/19/93                           | 11.46           | 4.95               | 6.51           | 0.00          | --          | --                | --                                     | 13,000       | 1200    | 84  | 290           | 530    | --    | 2100       | --   |  |
| 01/17/94                           | 11.46           | 5.28               | 6.18           | 0.00          | --          | --                | Destroyed                              | 11,000       | 1900    | 63  | 170           | 290    | --    | <50        | --   |  |

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |           |              |                |               |             |                   |       |              |         | Volumetric Measurements are in gallons |               |        |       | Analytical results are in parts per billion (ppb) |      |  |  |  |  |  |
|------------------------------------|-----------|--------------|----------------|---------------|-------------|-------------------|-------|--------------|---------|--|---------------|--------|-------|---|------|--|--|--|--|--|
| DATE                               | Well Head | Ground Water | Depth To Water | SPH Thickness | SPH Removed | Total SPH Removed | Notes | TPH-Gasoline | Benzene | Toluene                                | Ethyl-Benzene | Xylene | TOG   | TPH-Diesel  | MTBE |  |  |  |  |  |
|                                    | Elev.     | Elev.        |                |               |             |                   |       |              |         |  |               |        |       |   |      |  |  |  |  |  |
| <b>B-5</b>                         |           |              |                |               |             |                   |       |              |         |  |               |        |       |   |      |  |  |  |  |  |
| 09/20/91                           | 7.73      | 2.2          | 5.53           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | <50   | --   |  |  |  |  |  |
| 10/09/91                           | 7.73      | 2.42         | 5.31           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 10/17/91                           | 7.73      | 2.09         | 5.64           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 10/23/91                           | 7.73      | 2.05         | 5.68           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 11/01/91                           | 7.73      | 2.24         | 5.49           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 11/07/91                           | 7.73      | 2.19         | 5.54           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 11/15/91                           | 7.73      | 2.10         | 5.63           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 11/21/91                           | 7.73      | --           | --             | --            | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 12/12/91                           | 7.73      | 2.05         | 5.68           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 12/30/91                           | 7.73      | 2.54         | 5.19           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 01/13/92                           | 7.73      | 3.07         | 4.65           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 01/22/92                           | 7.73      | 3.03         | 4.70           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 02/12/92                           | 7.73      | 3.38         | 4.45           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | <50   | --   |  |  |  |  |  |
| 03/09/92                           | 7.73      | 3.68         | 4.05           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 04/10/92                           | 7.73      | 3.30         | 4.43           | 0.00          | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 05/18/92                           | 7.73      | 3.94         | 3.79           | 0.00          | --          | --                | --    | 390          | 39      | 1.9                                    | 11            | 24     | <5000 | --  | --   |  |  |  |  |  |
| 01/06/93                           | 7.73      | 3.39         | 4.44           | --            | --          | --                | Sheen | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | <50   | --   |  |  |  |  |  |
| 02/03/93                           | 7.73      | --           | --             | --            | --          | --                | --    | --           | --      | --                                     | --            | --     | --    | --  | --   |  |  |  |  |  |
| 04/23/93                           | 10.18     | 5.86         | 4.32           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <1.5   | --    | <50   | --   |  |  |  |  |  |
| 07/19/93                           | 10.18     | 5.15         | 5.03           | 0.00          | --          | --                | --    | 54           | <0.5    | 0.7                                    | <0.5          | <1.5   | --    | <50   | --   |  |  |  |  |  |
| 10/19/93                           | 10.18     | 5.08         | 5.10           | 0.00          | --          | --                | --    | <50          | 2.0     | 4.1                                    | 0.6           | 3.5    | --    | <50   | --   |  |  |  |  |  |
| 01/07/94                           | 10.18     | 5.32         | 4.86           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | <50   | --   |  |  |  |  |  |
| 08/18/94                           | 10.18     | 5.04         | 5.14           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | <50   | --   |  |  |  |  |  |
| 11/30/94                           | 10.18     | 5.73         | 4.45           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | 140*  | --   |  |  |  |  |  |
| 02/15/95                           | 10.18     | 6.03         | 4.15           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | 170*  | --   |  |  |  |  |  |
| 05/01/95                           | 10.18     | 5.75         | 4.43           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | 190**   | --   |  |  |  |  |  |
| 06/04/95                           | 10.18     | 5.22         | 4.96           | 0.00          | --          | --                | --    | <50          | <0.5    | <0.5                                   | <0.5          | <0.5   | --    | 250**   | --   |  |  |  |  |  |
| 11/29/95                           | 10.18     | 4.97         | 5.21           | 0.00          | --          | --                | --    | 140          | 1.5     | <0.5                                   | 1.1           | <0.5   | --    | 330**   | 800  |  |  |  |  |  |
| 02/08/96                           | 10.18     | 6.38         | 3.80           | 0.00          | --          | --                | --    | <200         | 2.1     | <2.0                                   | <2.0          | <2.0   | --    | 250**   | 1100 |  |  |  |  |  |

\* Chromagram pattern indicates a non-diesel mix.

\*\* Chromatogram pattern indicates an unidentified hydrocarbon.

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |                    |                       |                   |                  | Volumetric Measurements are in gallons |       |    | Analytical results are in parts per billion (ppb) |         |         |              |        |      |            |       |
|------------------------------------|--------------------|-----------------------|-------------------|------------------|--|-------|----|---|---------|---------|--------------|--------|------|------------|-------|
| DATE                               | Well Head<br>Elev. | Ground Water<br>Elev. | Depth To<br>Water | SPH<br>Thickness | Total<br>SPH<br>Removed                | Notes |    | TPH-Gasoline                                      | Benzene | Toluene | Ethyl-Benzen | Xylene | TOG  | TPH-Diesel | MTBE  |
| <b>B-6</b>                         |                    |                       |                   |                  |  |       |    |   |         |         |              |        |      |            |       |
| 09/20/91                           | 8.55               | 1.70                  | 6.85              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | --   | <50        | --    |
| 10/09/91                           | 8.55               | 1.72                  | 6.83              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 10/17/91                           | 8.55               | 1.65                  | 6.90              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 10/23/91                           | 8.55               | 1.62                  | 6.93              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 11/01/91                           | 8.55               | 1.77                  | 6.78              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 11/07/91                           | 8.55               | 1.74                  | 6.81              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 11/15/91                           | 8.55               | 1.67                  | 6.88              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 11/21/91                           | 8.55               | 1.60                  | 6.95              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 12/12/91                           | 8.55               | 1.41                  | 7.14              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 12/30/91                           | 8.55               | 2.05                  | 6.50              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 01/13/92                           | 8.55               | 2.36                  | 6.19              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 01/22/92                           | 8.55               | 2.28                  | 6.27              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 02/12/92                           | 8.55               | 2.43                  | 6.12              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | --   | <50        | --    |
| 03/09/92                           | 8.55               | 3.27                  | 5.28              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 04/10/92                           | 8.55               | 3.07                  | 5.48              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 05/18/92                           | 8.55               | 2.65                  | 5.90              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | <0.5 | <5000      | <50   |
| 01/06/93                           | 8.55               | 2.76                  | 5.79              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | <0.5 | --         | <50   |
| 02/03/93                           | 8.55               | --                    | --                | --               | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | --    |
| 04/23/93                           | 11.97              | 6.70                  | 5.27              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <1.5   | --   | <50        | --    |
| 07/19/93                           | 11.97              | 5.06                  | 6.91              | 0.00             | --                                     | --    | -- | 74  | <0.5    | <0.5    | <0.5         | <1.5   | --   | <50        | --    |
| 10/19/93                           | 11.97              | 5.49                  | 6.48              | 0.00             | --                                     | --    | -- | <50   | <0.5    | 0.5     | <0.5         | 2.2    | --   | <50        | --    |
| 01/07/94                           | 11.97              | 5.79                  | 6.18              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | --   | <50        | --    |
| 08/18/94                           | 11.97              | 5.77                  | 6.20              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | <0.5 | --         | <50   |
| 11/30/94                           | 11.97              | 6.52                  | 5.45              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | <0.5 | --         | 230*  |
| 02/15/95                           | 11.97              | 7.27                  | 4.70              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | <0.5 | --         | 130*  |
| 05/01/95                           | 11.97              | 6.94                  | 5.03              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | <0.5 | --         | 97**  |
| 08/04/95                           | 11.97              | 6.15                  | 5.82              | 0.00             | --                                     | --    | -- | <50   | <0.5    | <0.5    | <0.5         | <0.5   | <0.5 | --         | 350** |
| 11/29/95                           | 11.97              | 5.97                  | 6.00              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | 200** |
| 02/08/96                           | 11.97              | 7.27                  | 4.70              | 0.00             | --                                     | --    | -- | --  | --      | --      | --           | --     | --   | --         | 210** |

\* Chromatogram pattern indicates a non-diesel mix.

\*\* Chromatogram pattern indicates an unidentified hydrocarbon.

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |                    |                       |                   |                  | Volumetric Measurements are in gallons |       |              | Analytical results are in parts per billion (ppb) |         |                |        |     |            |      |
|------------------------------------|--------------------|-----------------------|-------------------|------------------|--|-------|--------------|---|---------|----------------|--------|-----|------------|------|
| DATE                               | Well Head<br>Elev. | Ground Water<br>Elev. | Depth To<br>Water | SPH<br>Thickness | Total SPH<br>Removed                   | Notes | TPH-Gasoline | Benzene   | Toluene | Ethyl-Benzenes | Xylene | TOG | TPH-Diesel | MTBE |
| <b>B-7</b>                         |                    |                       |                   |                  |  |       |              |   |         |                |        |     |            |      |
| 04/23/93                           | 10.54              | 6.02                  | 4.52              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <1.5   | <50 | --         | --   |
| 07/19/93                           | 10.54              | 5.50                  | 5.04              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <1.5   | <50 | <50        | --   |
| 10/19/93                           | 10.54              | 5.14                  | 5.40              | 0.00             | --                                     | --    | <50          | 3.1   | 0.5     | <0.5           | 0.8    | --  | <50        | --   |
| 01/07/94                           | 10.54              | 5.35                  | 5.19              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 08/18/94                           | 10.54              | 5.28                  | 5.26              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 11/30/94                           | 10.54              | 5.96                  | 4.58              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | 1.1    | --  | <50        | --   |
| 02/15/95                           | 10.54              | 6.32                  | 4.22              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 05/01/95                           | 10.54              | 6.04                  | 4.50              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | 53**       | --   |
| 08/04/95                           | 10.54              | 5.56                  | 4.98              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| <b>B-8</b>                         |                    |                       |                   |                  |  |       |              |   |         |                |        |     |            |      |
| 04/23/93                           | 11.99              | 6.63                  | 5.36              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <1.5   | <50 | --         | --   |
| 07/19/93                           | 11.99              | 5.77                  | 6.22              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <1.5   | <50 | <50        | --   |
| 10/19/93                           | 11.99              | --                    | --                | --               | --                                     | Dry   | --           | --  | --      | --             | --     | --  | --         | --   |
| 01/07/94                           | 11.99              | 5.69                  | 6.30              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 08/18/94                           | 11.99              | 5.56                  | 6.43              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 11/30/94                           | 11.99              | 6.53                  | 5.46              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 02/15/95                           | 11.99              | 7.27                  | 4.72              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | 120*       | --   |
| 05/01/95                           | 11.99              | 6.99                  | 5.00              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | 120*       | --   |
| 08/04/95                           | 11.99              | 6.07                  | 5.92              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | 51**       | --   |
| <b>B-9</b>                         |                    |                       |                   |                  |  |       |              |   |         |                |        |     |            |      |
| 04/23/93                           | 10.70              | 6.14                  | 4.56              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <1.5   | <50 | --         | --   |
| 07/19/93                           | 10.70              | 5.25                  | 5.45              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <1.5   | <50 | <50        | --   |
| 10/19/93                           | 10.70              | 4.81                  | 5.89              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 01/07/94                           | 10.70              | 5.29                  | 5.41              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 08/18/94                           | 10.70              | 5.15                  | 5.55              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 11/30/94                           | 10.70              | 6.35                  | 4.35              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 02/15/95                           | 10.70              | 7.05                  | 3.65              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | 60*        | --   |
| 05/01/95                           | 10.70              | 6.41                  | 4.29              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |
| 08/04/95                           | 10.70              | 5.50                  | 5.20              | 0.00             | --                                     | --    | <50          | <0.5  | <0.5    | <0.5           | <0.5   | --  | <50        | --   |

\* Chromatogram pattern indicates a non-diesel mix.

\*\* Chromatogram pattern indicates an unidentified hydrocarbon.

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |                    |                       |                   |                  |                |                         | Volumetric Measurements are in gallons |              |         | Analytical results are in parts per billion (ppb) |                |        |     |            |        |  |
|------------------------------------|--------------------|-----------------------|-------------------|------------------|----------------|-------------------------|--|--------------|---------|---|----------------|--------|-----|------------|--------|--|
| DATE                               | Well Head<br>Elev. | Ground Water<br>Elev. | Depth To<br>Water | SPH<br>Thickness | SPH<br>Removed | Total<br>SPH<br>Removed | Notes                                  | TPH-Gasoline | Benzene | Toluene   | Ethyl-Benzenes | Xylene | TOG | TPH-Diesel | MTBE   |  |
| <b>B-10</b>                        |                    |                       |                   |                  |                |                         |  |              |         |   |                |        |     |            |        |  |
| 11/29/95                           | 11.42              | 4.91                  | 6.51              | 0.00             | --             | --                      | --                                     | 1700         | 95      | <2.5  | 69             | 170    | --  | 900*       | 22     |  |
| 02/08/96                           | 11.42              | 6.87                  | 4.55              | 0.00             | --             | --                      | --                                     | 230          | 31      | <0.5  | 7.2            | 6.2    | --  | 650*       | 10     |  |
| <b>B-11</b>                        |                    |                       |                   |                  |                |                         |  |              |         |   |                |        |     |            |        |  |
| 11/29/95                           | 11.98              | 6.08                  | 5.90              | 0.00             | --             | --                      | --                                     | 2800         | 38      | <10   | 26             | 48     | --  | 1400*      | 21,000 |  |
| 02/08/96                           | 11.98              | 7.54                  | 4.44              | 0.00             | --             | --                      | --                                     | <5000        | <50     | <50   | <50            | <50    | --  | 1100*      | 38,000 |  |
| <b>B-12</b>                        |                    |                       |                   |                  |                |                         |  |              |         |   |                |        |     |            |        |  |
| 11/29/95                           | 11.16              | 5.15                  | 6.01              | 0.00             | --             | --                      | --                                     | 1100         | 10      | <10   | <10            | <10    | --  | 1800*      | 37,000 |  |
| 02/08/96                           | 11.16              | 6.56                  | 4.60              | 0.00             | --             | --                      | --                                     | <20,000      | <200    | <200  | <200           | <200   | --  | 1800*      | 88,000 |  |
| <b>B-13</b>                        |                    |                       |                   |                  |                |                         |  |              |         |   |                |        |     |            |        |  |
| 11/29/95                           | 11.17              | 5.26                  | 5.91              | 0.00             | --             | --                      | --                                     | 1800         | 19      | <5.0  | 5.5            | <5.0   | --  | 3400*      | 7400   |  |
| 02/08/96                           | 11.17              | 6.72                  | 4.45              | 0.00             | --             | --                      | --                                     | 910          | 12      | 1.3   | 2.0            | 1.9    | --  | 450*       | 77     |  |

\* Chromatogram pattern indicates an unidentified hydrocarbon.

## Cumulative Table of Well Data and Analytical Results

| Vertical Measurements are in feet. |                    |                       |                   |                  | Volumetric Measurements are in gallons |                         |       | Analytical results are in parts per billion (ppb) |         |         |                   |        |      |                |      |
|------------------------------------|--------------------|-----------------------|-------------------|------------------|--|-------------------------|-------|---|---------|---------|-------------------|--------|------|----------------|------|
| DATE                               | Well Head<br>Elev. | Ground Water<br>Elev. | Depth To<br>Water | SPH<br>Thickness | SPH<br>Removed                         | Total<br>SPH<br>Removed | Notes | TPH-<br>Gasoline                                  | Benzene | Toluene | Ethyl-<br>Benzene | Xylene | TOG  | TPH-<br>Diesel | MTBE |
| TRIP BLANK                         |                    |                       |                   |                  |  |                         |       |   | <50     | <0.5    | <0.5              | <0.5   | <0.5 | --             | --   |
| 01/06/93                           | --                 | --                    | --                | --               | --                                     | --                      | --    | --  | --      | --      | --                | --     | --   | --             | --   |
| 04/23/93                           | --                 | --                    | --                | --               | --                                     | --                      | --    | --  | --      | --      | --                | --     | --   | --             | --   |
| 07/19/93                           | --                 | --                    | --                | --               | --                                     | --                      | --    | --  | --      | --      | --                | --     | --   | --             | --   |
| 10/19/93                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | 0.5     | <0.5              | <0.5   | --   | --             | --   |
| 01/17/94                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | <0.5    | <0.5              | <0.5   | --   | --             | --   |
| 08/18/94                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | <0.5    | <0.5              | <0.5   | --   | --             | --   |
| 11/30/94                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | <0.5    | <0.5              | <0.5   | --   | --             | --   |
| 02/15/95                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | <0.5    | <0.5              | <0.5   | --   | --             | --   |
| 05/01/95                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | <0.5    | <0.5              | <0.5   | --   | --             | --   |
| 08/04/95                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | <0.5    | <0.5              | <0.5   | --   | --             | --   |
| 11/29/95                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | <0.5    | <0.5              | <0.5   | --   | --             | <2.5 |
| 02/08/96                           | --                 | --                    | --                | --               | --                                     | --                      | --    | <50   | <0.5    | <0.5    | <0.5              | <0.5   | --   | --             | --   |

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.  
 Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons  
 SPH = Separate-Phase Hydrocarbons  
 TOG = Total Oil and Grease  
 MTBE = Methyl t-Butyl Ether

# **Analytical Appendix**



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

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-1  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602712-01

Sampled: 02/08/96  
Received: 02/09/96  
Extracted: 02/13/96  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC0213960HBPEXA  
Instrument ID: GCHP4A

### Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte                                 | Detection Limit<br>ug/L    | Sample Results<br>ug/L  |
|---|----------------------------|-------------------------|
| TEPH as Diesel<br>Chromatogram Pattern: | 50<br>C9-C24               | 1300<br>Unidentified HC |
| Surrogates<br>n-Pentacosane (C25)       | Control Limits %<br>50 150 | % Recovery<br>137       |

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

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Project Manager

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

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-1  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602712-01

Sampled: 02/08/96  
Received: 02/09/96  
  
Analyzed: 02/14/96  
Reported: 02/20/96

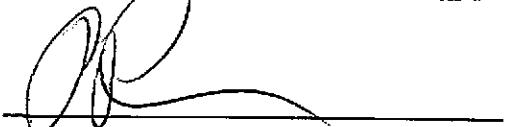
QC Batch Number: GC021496BTEX02A  
Instrument ID: GCHP02

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

| Analyte               | Detection Limit<br>ug/L         | Sample Results<br>ug/L |
|-----------------------|---------------------------------|------------------------|
| TPPH as Gas           | 500                             | 1500                   |
| Methyl t-Butyl Ether  | 25                              | 2300                   |
| Benzene               | 5.0                             | 190                    |
| Toluene               | 5.0                             | N.D.                   |
| Ethyl Benzene         | 5.0                             | N.D.                   |
| Xylenes (Total)       | 5.0                             | N.D.                   |
| Chromatogram Pattern: |                                 | Gas                    |
| Unidentified HC       |                                 | <C8                    |
| Surrogates            |                                 |                        |
| Trifluorotoluene      | Control Limits %<br>70      130 | % Recovery<br>85       |

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

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680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-5  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602712-02

Sampled: 02/08/96  
Received: 02/09/96  
Extracted: 02/13/96  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC0213960HBPEXA  
Instrument ID: GCHP4A

### Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte                                 | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|---|----------------------------|------------------------|
| TEPH as Diesel<br>Chromatogram Pattern: | 50<br>C9-C24               | 250<br>Unidentified HC |
| Surrogates<br>n-Pentacosane (C25)       | Control Limits %<br>50 150 | % Recovery<br>109      |

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

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404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
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985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-5  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602712-02

Sampled: 02/08/96  
Received: 02/09/96  
Analyzed: 02/15/96  
Reported: 02/20/96

QC Batch Number: GC021596BTEX03A  
Instrument ID: GCHP03

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L    |
|-----------------------|-------------------------|---------------------------|
| TPPH as Gas           | 200                     | N.D.                      |
| Methyl t-Butyl Ether  | 10                      | 1100                      |
| Benzene               | 2.0                     | 2.1                       |
| Toluene               | 2.0                     | N.D.                      |
| Ethyl Benzene         | 2.0                     | N.D.                      |
| Xylenes (Total)       | 2.0                     | N.D.                      |
| Chromatogram Pattern: |                         |                           |
| <br><b>Surrogates</b> |                         |                           |
| Trifluorotoluene      | Control Limits %<br>70  | % Recovery<br>130<br>48 Q |

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

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Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-6  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602712-03

Sampled: 02/08/96  
Received: 02/09/96  
Extracted: 02/13/96  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC0213960HBPEXA  
Instrument ID: GCHP4A

### Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte                                 | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|---|----------------------------|------------------------|
| TEPH as Diesel<br>Chromatogram Pattern: | 50<br>C9-C24               | 210<br>Unidentified HC |
| Surrogates<br>n-Pentacosane (C25)       | Control Limits %<br>50 150 | % Recovery<br>112      |

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

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Peggy Penner  
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San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-10  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602712-04

Sampled: 02/08/96  
Received: 02/09/96  
Extracted: 02/13/96  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC0213960HBPEXA  
Instrument ID: GCHP4A

### Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte                                 | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|---|----------------------------|------------------------|
| TEPH as Diesel<br>Chromatogram Pattern: | 50<br>C9-C24               | 650<br>Unidentified HC |
| Surrogates<br>n-Pentacosane (C25)       | Control Limits %<br>50 150 | % Recovery<br>132      |

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

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680 Chesapeake Drive      Redwood City, CA 94063      (415) 364-9600      FAX (415) 364-9233  
404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
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|  |  |   |
|--|--|---|
| Blaine Technical Services<br>985 Timothy Drive<br>San Jose, CA 95133 | Client Proj. ID: Chevron 9-0290/960208-V-1<br>Sample Descript: B-10<br>Matrix: LIQUID<br>Analysis Method: 8015Mod/8020<br>Lab Number: 9602712-04 | Sampled: 02/08/96<br>Received: 02/09/96<br><br>Analyzed: 02/14/96<br>Reported: 02/20/96 |
|--|--|---|

QC Batch Number: GC021496BTEX02A  
Instrument ID: GCHP02

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | 230                    |
| Methyl t-Butyl Ether  | 2.5                     | 10                     |
| Benzene               | 0.50                    | 31                     |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | 7.2                    |
| Xylenes (Total)       | 0.50                    | 6.2                    |
| Chromatogram Pattern: |                         | Gas                    |
| Surrogates            | Control Limits %        | % Recovery             |
| Trifluorotoluene      | 70      130             | 99                     |

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

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

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-11  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602712-05

Sampled: 02/08/96  
Received: 02/09/96  
Extracted: 02/13/96  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC0213960HBPEXA  
Instrument ID: GCHP4A

### Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte                                 | Detection Limit<br>ug/L    | Sample Results<br>ug/L  |
|---|----------------------------|-------------------------|
| TEPH as Diesel<br>Chromatogram Pattern: | 50<br>C9-C24               | 1100<br>Unidentified HC |
| Surrogates<br>n-Pentacosane (C25)       | Control Limits %<br>50 150 | % Recovery<br>121       |

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

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404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
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Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-11  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602712-05

Sampled: 02/08/96  
Received: 02/09/96  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC021496BTEX21A  
Instrument ID: GCHP21

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 5000                    | N.D.                   |
| Methyl t-Butyl Ether  | 250                     | 38000                  |
| Benzene               | 50                      | N.D.                   |
| Toluene               | 50                      | N.D.                   |
| Ethyl Benzene         | 50                      | N.D.                   |
| Xylenes (Total)       | 50                      | N.D.                   |
| Chromatogram Pattern: |                         |                        |
| Surrogates            | Control Limits %        | % Recovery             |
| Trifluorotoluene      | 70      130             | 95                     |

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

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Project Manager



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404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-12  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602712-06

Sampled: 02/08/96  
Received: 02/09/96  
Extracted: 02/13/96  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC0213960HBPEXA  
Instrument ID: GCHP4A

### Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte                                 | Detection Limit<br>ug/L    | Sample Results<br>ug/L  |
|---|----------------------------|-------------------------|
| TEPH as Diesel<br>Chromatogram Pattern: | 50<br>C9-C24               | 1800<br>Unidentified HC |
| Surrogates<br>n-Pentacosane (C25)       | Control Limits %<br>50 150 | % Recovery<br>140       |

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

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Peggy Penner  
Project Manager



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

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-12  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602712-06

Sampled: 02/08/96  
Received: 02/09/96  
  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC021496BTEX20A  
Instrument ID: GCHP20

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 20000                   | N.D.                   |
| Methyl t-Butyl Ether  | 1000                    | 88000                  |
| Benzene               | 200                     | N.D.                   |
| Toluene               | 200                     | N.D.                   |
| Ethyl Benzene         | 200                     | N.D.                   |
| Xylenes (Total)       | 200                     | N.D.                   |
| Chromatogram Pattern: |                         |                        |
| <br><b>Surrogates</b> |                         |                        |
| Trifluorotoluene      | 70                  130 | % Recovery<br>84       |

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

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680 Chesapeake Drive Redwood City, CA 94063 (415) 364-9600 FAX (415) 364-9233  
404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-13  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9602712-07

Sampled: 02/08/96  
Received: 02/09/96  
Extracted: 02/13/96  
Analyzed: 02/14/96  
Reported: 02/20/96

QC Batch Number: GC0213960HBPEXA  
Instrument ID: GCHP4A

### Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte                                 | Detection Limit<br>ug/L    | Sample Results<br>ug/L |
|---|----------------------------|------------------------|
| TEPH as Diesel<br>Chromatogram Pattern: | 50<br>C9-C24               | 450<br>Unidentified HC |
| Surrogates<br>n-Pentacosane (C25)       | Control Limits %<br>50 150 | % Recovery<br>101      |

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

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404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

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

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: B-13  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602712-07

Sampled: 02/08/96  
Received: 02/09/96  
  
Analyzed: 02/15/96  
Reported: 02/20/96

QC Batch Number: GC021596BTEX03A  
Instrument ID: GCHP03

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 125                     | 910                    |
| Methyl t-Butyl Ether  | 6.2                     | 77                     |
| Benzene               | 1.2                     | 12                     |
| Toluene               | 1.2                     | 1.3                    |
| Ethyl Benzene         | 1.2                     | 2.0                    |
| Xylenes (Total)       | 1.2                     | 1.9                    |
| Chromatogram Pattern: |                         | Gas                    |
| Unidentified HC       |                         | < C8                   |
| Surrogates            |                         | Control Limits %       |
| Trifluorotoluene      | 70                      | 130                    |
|                       |                         | % Recovery             |
|                       |                         | 81                     |

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

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Project Manager



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680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1  
Sample Descript: Trip  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9602712-08

Sampled: 02/08/96  
Received: 02/09/96  
  
Analyzed: 02/14/96  
Reported: 02/20/96

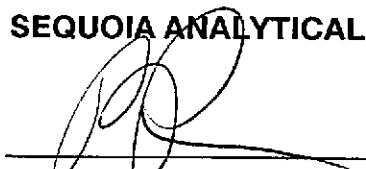
QC Batch Number: GC021496BTEX21A  
Instrument ID: GCHP21

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

| Analyte               | Detection Limit<br>ug/L | Sample Results<br>ug/L |
|-----------------------|-------------------------|------------------------|
| TPPH as Gas           | 50                      | N.D.                   |
| Benzene               | 0.50                    | N.D.                   |
| Toluene               | 0.50                    | N.D.                   |
| Ethyl Benzene         | 0.50                    | N.D.                   |
| Xylenes (Total)       | 0.50                    | N.D.                   |
| Chromatogram Pattern: |                         |                        |
| Surrogates            | Control Limits %        | % Recovery             |
| Trifluorotoluene      | 70      130             | 89                     |

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

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\_\_\_\_\_  
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Project Manager



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404 N. Wiget Lane      Walnut Creek, CA 94598      (510) 988-9600      FAX (510) 988-9673  
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Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0290/960208-V-1

Received: 02/09/96

Lab Proj. ID: 9602712

Reported: 02/20/96

## LABORATORY NARRATIVE

TPPH Note: Sample 9602712-01 was diluted 10-fold.  
Sample 9602712-02 was diluted 4-fold.  
Sample 9602712-05 was diluted 100-fold.  
Sample 9602712-06 was diltued 400-fold.  
Sample 9602712-07 was diltued 2.5-fold.

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Project Manager



**Sequoia  
Analytical**

|  |  |  |  |
|--|--|--|--|
| 680 Chesapeake Drive<br>404 N. Wiget Lane<br>819 Striker Avenue, Suite 8 | Redwood City, CA 94063<br>Walnut Creek, CA 94598<br>Sacramento, CA 95834 | (415) 364-9600<br>(510) 988-9600<br>(916) 921-9600 | FAX (415) 364-9233<br>FAX (510) 988-9673<br>FAX (916) 921-0100 |
|--|--|--|--|

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

Client Project ID: Chevron 9-0290/960208-V-1  
Matrix: Liquid

Work Order #: 9602712 -01, 04

Reported: Feb 21, 1996

## QUALITY CONTROL DATA REPORT

| Analyte:       | Benzene         | Toluene         | Ethyl<br>Benzene | Xylenes         |
|----------------|-----------------|-----------------|------------------|-----------------|
| QC Batch#:     | GC021496BTEX02A | GC021496BTEX02A | GC021496BTEX02A  | GC021496BTEX02A |
| Analy. Method: | EPA 8020        | EPA 8020        | EPA 8020         | EPA 8020        |
| Prep. Method:  | EPA 5030        | EPA 5030        | EPA 5030         | EPA 5030        |

|                    |           |           |           |           |
|--------------------|-----------|-----------|-----------|-----------|
| Analyst:           | J. Woo    | J. Woo    | J. Woo    | J. Woo    |
| MS/MSD #:          | 960207712 | 960207712 | 960207712 | 960207712 |
| Sample Conc.:      | N.D.      | N.D.      | N.D.      | N.D.      |
| Prepared Date:     | 2/14/96   | 2/14/96   | 2/14/96   | 2/14/96   |
| Analyzed Date:     | 2/14/96   | 2/14/96   | 2/14/96   | 2/14/96   |
| Instrument I.D. #: | GCHP2     | GCHP2     | GCHP2     | GCHP2     |
| Conc. Spiked:      | 10 µg/L   | 10 µg/L   | 10 µg/L   | 30 µg/L   |
| Result:            | 9.7       | 9.6       | 9.5       | 28        |
| MS % Recovery:     | 97        | 96        | 95        | 93        |
| Dup. Result:       | 10        | 9.9       | 9.8       | 29        |
| MSD % Recov.:      | 100       | 99        | 98        | 97        |
| RPD:               | 3.0       | 3.1       | 3.1       | 3.5       |
| RPD Limit:         | 0-50      | 0-50      | 0-50      | 0-50      |

|                    |           |           |           |           |
|--------------------|-----------|-----------|-----------|-----------|
| LCS #:             | BLK021496 | BLK021496 | BLK021496 | BLK021496 |
| Prepared Date:     | 2/14/96   | 2/14/96   | 2/14/96   | 2/14/96   |
| Analyzed Date:     | 2/14/96   | 2/14/96   | 2/14/96   | 2/14/96   |
| Instrument I.D. #: | GCHP2     | GCHP2     | GCHP2     | GCHP2     |
| Conc. Spiked:      | 10 µg/L   | 10 µg/L   | 10 µg/L   | 30 µg/L   |
| LCS Result:        | 9.8       | 9.5       | 9.2       | 28        |
| LCS % Recov.:      | 98        | 95        | 92        | 93        |

|                                 |        |        |        |        |
|---------------------------------|--------|--------|--------|--------|
| MS/MSD<br>LCS<br>Control Limits | 70-130 | 70-130 | 70-130 | 70-130 |
|---------------------------------|--------|--------|--------|--------|

**SEQUOIA ANALYTICAL**  
Peggy Penner  
Project Manager

Please Note:

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.



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|--|--|--|--|

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

Client Project ID: Chevron 9-0290/960208-V-1  
Matrix: Liquid

Work Order #: 9602712-02, 07

Reported: Feb 21, 1996

## QUALITY CONTROL DATA REPORT

| Analyte:       | Benzene         | Toluene         | Ethyl Benzene   | Xylenes         |
|----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC021596BTEX03A | GC021596BTEX03A | GC021596BTEX03A | GC021596BTEX03A |
| Analy. Method: | EPA 8020        | EPA 8020        | EPA 8020        | EPA 8020        |
| Prep. Method:  | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |

|                    |           |           |           |           |
|--------------------|-----------|-----------|-----------|-----------|
| Analyst:           | J. Woo    | J. Woo    | J. Woo    | J. Woo    |
| MS/MSD #:          | 960235303 | 960235303 | 960235303 | 960235303 |
| Sample Conc.:      | N.D.      | N.D.      | N.D.      | N.D.      |
| Prepared Date:     | 2/15/96   | 2/15/96   | 2/15/96   | 2/15/96   |
| Analyzed Date:     | 2/15/96   | 2/15/96   | 2/15/96   | 2/15/96   |
| Instrument I.D. #: | GCHP3     | GCHP3     | GCHP3     | GCHP3     |
| Conc. Spiked:      | 10 µg/L   | 10 µg/L   | 10 µg/L   | 30 µg/L   |
| Result:            | 11        | 11        | 10        | 31        |
| MS % Recovery:     | 110       | 110       | 100       | 103       |
| Dup. Result:       | 10        | 10        | 10        | 31        |
| MSD % Recov.:      | 100       | 100       | 100       | 103       |
| RPD:               | 9.5       | 9.5       | 0.0       | 0.0       |
| RPD Limit:         | 0-50      | 0-50      | 0-50      | 0-50      |

|                    |           |           |           |           |
|--------------------|-----------|-----------|-----------|-----------|
| LCS #:             | BLK021596 | BLK021596 | BLK021596 | BLK021596 |
| Prepared Date:     | 2/15/96   | 2/15/96   | 2/15/96   | 2/15/96   |
| Analyzed Date:     | 2/15/96   | 2/15/96   | 2/15/96   | 2/15/96   |
| Instrument I.D. #: | GCHP3     | GCHP3     | GCHP3     | GCHP3     |
| Conc. Spiked:      | 10 µg/L   | 10 µg/L   | 10 µg/L   | 30 µg/L   |
| LCS Result:        | 9.9       | 10        | 10        | 31        |
| LCS % Recov.:      | 99        | 100       | 100       | 103       |

|                                 |        |        |        |        |
|---------------------------------|--------|--------|--------|--------|
| MS/MSD<br>LCS<br>Control Limits | 70-130 | 70-130 | 70-130 | 70-130 |
|---------------------------------|--------|--------|--------|--------|

SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager

Please Note:

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**Sequoia  
Analytical**

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|--|--|--|--|

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

Client Project ID: Chevron 9-0290/960208-V-1  
Matrix: Liquid  
Work Order #: 9602712-05-06, 08

Reported: Feb 21, 1996

### QUALITY CONTROL DATA REPORT

| Analyte:       | Benzene         | Toluene         | Ethyl Benzene   | Xylenes         |
|----------------|-----------------|-----------------|-----------------|-----------------|
| QC Batch#:     | GC021496BTEX21A | GC021496BTEX21A | GC021496BTEX21A | GC021496BTEX21A |
| Analy. Method: | EPA 8020        | EPA 8020        | EPA 8020        | EPA 8020        |
| Prep. Method:  | EPA 5030        | EPA 5030        | EPA 5030        | EPA 5030        |

|                    |           |           |           |           |
|--------------------|-----------|-----------|-----------|-----------|
| Analyst:           | J. Woo    | J. Woo    | J. Woo    | J. Woo    |
| MS/MSD #:          | 960207712 | 960207712 | 960207712 | 960207712 |
| Sample Conc.:      | N.D.      | N.D.      | N.D.      | N.D.      |
| Prepared Date:     | 2/14/96   | 2/14/96   | 2/14/96   | 2/14/96   |
| Analyzed Date:     | 2/14/96   | 2/14/96   | 2/14/96   | 2/14/96   |
| Instrument I.D. #: | GCHP21    | GCHP21    | GCHP21    | GCHP21    |
| Conc. Spiked:      | 10 µg/L   | 10 µg/L   | 10 µg/L   | 30 µg/L   |
| Result:            | 7.9       | 7.7       | 8.7       | 28        |
| MS % Recovery:     | 79        | 77        | 87        | 93        |
| Dup. Result:       | 8.8       | 8.3       | 7.8       | 23        |
| MSD % Recov.:      | 88        | 83        | 78        | 77        |
| RPD:               | 11        | 7.5       | 11        | 20        |
| RPD Limit:         | 0-50      | 0-50      | 0-50      | 0-50      |

|                    |           |           |           |           |
|--------------------|-----------|-----------|-----------|-----------|
| LCS #:             | BLK021496 | BLK021496 | BLK021496 | BLK021496 |
| Prepared Date:     | 2/14/96   | 2/14/96   | 2/14/96   | 2/14/96   |
| Analyzed Date:     | 2/14/96   | 2/14/96   | 2/14/96   | 2/14/96   |
| Instrument I.D. #: | GCHP21    | GCHP21    | GCHP21    | GCHP21    |
| Conc. Spiked:      | 10 µg/L   | 10 µg/L   | 10 µg/L   | 30 µg/L   |
| LCS Result:        | 10        | 10        | 9.8       | 30        |
| LCS % Recov.:      | 100       | 100       | 98        | 100       |

|                                 |        |        |        |        |
|---------------------------------|--------|--------|--------|--------|
| MS/MSD<br>LCS<br>Control Limits | 70-130 | 70-130 | 70-130 | 70-130 |
|---------------------------------|--------|--------|--------|--------|

**SEQUOIA ANALYTICAL**  
  
Peggy Penner  
Project Manager

**Please Note:**  
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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

9602712.BLA <3>



Sequoia  
Analytical

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404 N. Wiget Lane Walnut Creek, CA 94598 (510) 988-9600 FAX (510) 988-9673  
819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

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

Client Project ID: Chevron 9-0290/960208-V-1  
Matrix: Liquid

Work Order #: 9602712-01-07

Reported: Feb 21, 1996

## QUALITY CONTROL DATA REPORT

Analyte: Diesel

QC Batch#: GC0213960HBPEXA  
Analy. Method: EPA 8015M  
Prep. Method: EPA 3510

Analyst: B. Ali  
MS/MSD #: 960271705  
Sample Conc.: 870  
Prepared Date: 2/13/96  
Analyzed Date: 2/14/96  
Instrument I.D. #: GCHP4  
Conc. Spiked: 1000 µg/L

Result: 2300  
MS % Recovery: 143

Dup. Result: 2400  
MSD % Recov.: 153

RPD: 4.3  
RPD Limit: 0-50

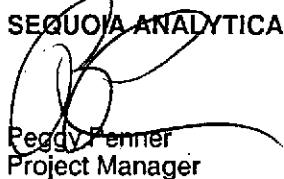
LCS #: BLK021396

Prepared Date: 2/13/96  
Analyzed Date: 2/14/96  
Instrument I.D. #: GCHP4  
Conc. Spiked: 1000 µg/L

LCS Result: 720  
LCS % Recov.: 72

MS/MSD  
LCS Control Limits 38-122

SEQUOIA ANALYTICAL



Peggy Penner  
Project Manager

### Please Note:

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

### Chain-of-Custody-Record

|   |  |                                     |
|---|--|-------------------------------------|
| <p><b>Chevron U.S.A. Inc.</b><br/> <b>P.O. BOX 5004</b><br/> <b>San Ramon, CA 94583</b><br/> <b>FAX (415)842-9591</b></p> | <b>Chevron Facility Number:</b>                                | 9-0290                              |
|   | <b>Facility Address:</b>                                       | 1802 Webster St., Alameda, CA       |
|   | <b>Consultant Project Number:</b>                              | 96020B-V-1                          |
|   | <b>Consultant Name:</b>  | Blaine Tech Services, Inc.          |
|   | <b>Address:</b>  | 985 Timothy Dr., San Jose, CA 95133 |
|   | <b>Project Contact (Name):</b>                                 | Jim Keller                          |
|   | <b>(Phone):</b> 408 995-5535 <b>(Fax Number):</b> 408 293-8773 |                                     |

Chevron Contact (Name) Mark Miller  
(Phone) (510) 842-8134  
Laboratory Name Sequoia  
Laboratory Release Number 2172720  
Samples Collected by (Name) F.A. VANDENBROEK  
Collection Date 2-0-96  
Signature J. Mark Miller

| Sample Number | Lab Sample Number | Number of Containers | Matrix<br>S = Soil A = Air<br>W = Water C = Charcoal | Type<br>G = Grab<br>C = Composite<br>D = Discrete | Time  | Sample Preservation | Lead (Yes or No) | Analyses To Be Performed        |                      |                          |                                 |                              |                                |  | Signature <i>J. H. Mandelkorn</i> | DO NOT BILL<br>FOR TB-LB       |
|---------------|-------------------|----------------------|--|---|-------|---------------------|------------------|---------------------------------|----------------------|--------------------------|---------------------------------|------------------------------|--------------------------------|--|-----------------------------------|--------------------------------|
|               |                   |                      |  |   |       |                     |                  | STEX + TPH CAS<br>(8020 + 8015) | TPH Diesel<br>(8015) | Oil and Grease<br>(8520) | Purgeable Halocarbons<br>(8010) | Purgeable Aromatic<br>(8520) | Extractable Organics<br>(8270) | Metals<br>Cd, Cr, Pb, Zn, Ni<br>(ICP or AAS) | MTBE                              |                                |
| B-1           | 1                 | 5                    | W  | G   | 1249  | HCL                 | ?                | ✓                               | ✓                    | ✓                        |                                 |                              |                                |  |                                   |                                |
| B-5           | 2 * 4             | 5                    | W  | G   | 1002  |                     |                  | ✓                               | ✓                    | ✓                        |                                 |                              |                                |  |                                   | ED 0 12                        |
| B-6           | 3 * 4             | 5                    | W  | G   | 09923 |                     |                  | ✓                               | ✓                    | ✓                        |                                 |                              |                                |  |                                   | * BROKEN BY COURIER            |
| B-10          | 4                 | 5                    | W  | G   | 1027  |                     |                  | ✓                               | ✓                    | ✓                        |                                 |                              |                                |  |                                   | KER 2/9/92 * BROKEN BY COURIER |
| B-11          | 5                 | 5                    | W  | G   | 1055  |                     |                  | ✓                               | ✓                    | ✓                        |                                 |                              |                                |  |                                   |                                |
| B-12          | 6                 | 5                    | W  | G   | 1124  |                     |                  | ✓                               | ✓                    | ✓                        |                                 |                              |                                |  |                                   |                                |
| B-13          | 7                 | 5                    | W  | G   | 1201  |                     |                  | ✓                               | ✓                    | ✓                        |                                 |                              |                                |  |                                   |                                |
| TRIP          | 8                 | 2                    | W  | —   | 0800  |                     |                  | ✓                               | ✓                    | ✓                        |                                 |                              |                                |  |                                   |                                |

**Relinquished By (Signature)**

### Organzellen

Date/Time 10/10

Received By (Signature)

## Organixoll

Date/Time 10/5

**Turn Around Time (Circle Choices)**

24 *Imm.*

48 Hz.

5 Days

10 Days

## ■ Contrato

Distinguished, By (Signature)

Organisation

Date/Time 11/8

Received By (Signature)

8-1-11

1976

**24 Hrs.**

24 11m.

48 Hrs.

5 Days

10 Days

## ■ Contrato

~~Ballpoint ink~~ Ballpoint ink (Signature)

卷之三

24/7/02

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-Reproduced For Instructional Use Only-

Date/Time

# **Field Data Sheets**

## WELL GAUGING DATA

Project # 960208-V-1 Date 2-8-96 Client 9-0290

site 1802 Webster St Alameda

## CHEVRON WELL MONITORING DATA SHEET

|                             |            |                                   |  |
|-----------------------------|------------|-----------------------------------|--|
| Project #:                  | 960208-V-1 | Station #:                        | 9-0290   |
| Sampler:                    | Fred       | Start Date:                       | 2-8-96   |
| Well I.D.:                  | A-1        | Well Diameter: (circle one)       | 2 <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> |
| Total Well Depth:           |            | Depth to Water:                   |  |
| Before                      | —          | After                             | Before 4.57 After  |
| Depth to Free Product:      | 4.52       | Thickness of Free Product (feet): | .005   |
| Measurements referenced to: | PVC        | Grade                             | Other:   |

| Well Diameter | VCF  | Well Diameter | VCF   |
|---------------|------|---------------|-------|
| 1"            | 0.04 | 6"            | 1.47  |
| 2"            | 0.16 | 8"            | 2.61  |
| 3"            | 0.37 | 10"           | 4.08  |
| 4"            | 0.65 | 12"           | 5.87  |
| 5"            | 1.02 | 16"           | 10.43 |

1 Case Volume      Specified Volumes      =      gallons

Purging: Bailer  
Disposable Bailer  
Middleburg  
Electric Submersible  
Extraction Pump  
Other

FP

Sampling: Bailer  
Disposable Bailer  
Extraction Port  
Other \_\_\_\_\_

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

Sampling Time: Sampling Date: 2-8-96

Sample I.D.: A-1 Laboratory: Chevron

Analyzed for: TPH-G BTEX TPH-D OTHER: **FP- ID**  
(Circle)

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

Analyzed for: TPH-G BTEX TPH-D OTHER:  
(Circle)

## CHEVRON WELL MONITORING DATA SHEET

|                             |            |                                   |   |
|-----------------------------|------------|-----------------------------------|---|
| Project #:                  | 960208-V-1 | Station #:                        | 9-0290  |
| Sampler:                    | Fred       | Start Date:                       | 2-8-96  |
| Well I.D.:                  | B-1        | Well Diameter: (circle one)       | <input checked="" type="radio"/> 2    3    4    6 |
| Total Well Depth:           |            | Depth to Water:                   |   |
| Before 16.83                | After      | Before 4.00                       | After   |
| Depth to Free Product:      |            | Thickness of Free Product (feet): |   |
| Measurements referenced to: | PVC        | Grade                             | Other:  |

| Well Diameter | VCF  | Well Diameter | VCF   |
|---------------|------|---------------|-------|
| 1"            | 0.04 | 6"            | 1.47  |
| 2"            | 0.16 | 8"            | 2.61  |
| 3"            | 0.37 | 10"           | 4.08  |
| 4"            | 0.65 | 12"           | 5.87  |
| 5"            | 1.02 | 16"           | 10.43 |

|               |   |                   |           |
|---------------|---|-------------------|-----------|
| 2.05          | x | 3                 | 6.15      |
| 1 Case Volume |   | Specified Volumes | = gallons |

Purging: Bailer      Drip      Sampling: Bailer  
 Disposable Bailer      Extraction Port  
 Middleburg      Other  
 Electric Submersible  
 Extraction Pump  
 Other

| TIME | TEMP.<br>(F) | pH  | COND. | TURBIDITY: | VOLUME<br>REMOVED: | OBSERVATIONS: |
|------|--------------|-----|-------|------------|--------------------|---------------|
| 1231 | 66.2         | 7.2 | 1400  | >200       | 2.0                |               |
| 1235 | 66.4         | 7.0 | 1400  | >200       | 4.0                |               |
| 1239 | 66.4         | 7.0 | 1400  | >200       | 6.5                |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |

Did Well Dewater?  If yes, gals.      Gallons Actually Evacuated: 6.5

Sampling Time: 1249      Sampling Date: 2-8-96

Sample I.D.: B-1      Laboratory: SEQ

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

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

Analyzed for: TPH-G    BTEX    TPH-D    OTHER:  
 (Circle)

## CHEVRON WELL MONITORING DATA SHEET

|                                 |  |        |
|---------------------------------|--|--------|
| Project #: 960208-V-1           | Station #: 9-0290  |        |
| Sampler: Fred                   | Start Date: 2-8-96   |        |
| Well I.D.: B-B                  | Well Diameter: (circle one) <input checked="" type="radio"/> 2 3 4 6 |        |
| Total Well Depth:               | Depth to Water:  |        |
| Before 13.97 After              | Before 4.45 After  |        |
| Depth to Free Product:          | Thickness of Free Product (feet):                                    |        |
| Measurements referenced to: PVC | Grade  | Other: |

| Well Diameter | VCF  | Well Diameter | VCF   |
|---------------|------|---------------|-------|
| 1"            | 0.04 | 6"            | 1.47  |
| 2"            | 0.16 | 8"            | 2.61  |
| 3"            | 0.37 | 10"           | 4.08  |
| 4"            | 0.65 | 12"           | 5.87  |
| 5"            | 1.02 | 16"           | 10.43 |

$$\frac{1.52}{\text{1 Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{4.56}{\text{gallons}}$$

Purging: Bailer  Disp Sampling: Bailer   
 Disposable Bailer Extraction Port  
 Middleburg Other \_\_\_\_\_  
 Electric Submersible  
 Extraction Pump  
 Other \_\_\_\_\_

| TIME | TEMP.<br>(F) | PH  | COND. | TURBIDITY: | VOLUME<br>REMOVED: | OBSERVATIONS: |
|------|--------------|-----|-------|------------|--------------------|---------------|
| 1145 | 65.0         | 8.0 | 800   | >200       | 2.0                |               |
| 1149 | 65.6         | 7.2 | 800   | >200       | 4.0                |               |
| 1151 | 65.6         | 7.2 | 800   | >200       | 5.0                |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |

Did Well Dewater?  If yes, gals. Gallons Actually Evacuated: 5.0

|   |                       |
|---|-----------------------|
| Sampling Time: 1201   | Sampling Date: 2-8-96 |
| Sample I.D.: B-13   | Laboratory: SEQ       |
| Analyzed for: <input checked="" type="radio"/> TPH-G <input checked="" type="radio"/> BTEX <input checked="" type="radio"/> TPH-D OTHER: MTBE |                       |
| Duplicate I.D.:   | Cleaning Blank I.D.:  |
| Analyzed for: TPH-G BTEX TPH-D OTHER:<br>(Circle)   |                       |

## CHEVRON WELL MONITORING DATA SHEET

|                             |           |                                   |         |
|-----------------------------|-----------|-----------------------------------|---------|
| Project #:                  | 960208V-1 | Station #:                        | 9-0290  |
| Sampler:                    | Fred      | Start Date:                       | 2-8-96  |
| Well I.D.:                  | B-12      | Well Diameter: (circle one)       | 2 3 4 6 |
| Total Well Depth:           |           | Depth to Water:                   |         |
| Before                      | 15.43     | After                             | 4.60    |
| Depth to Free Product:      |           | Thickness of Free Product (feet): |         |
| Measurements referenced to: | PVC       | Grade                             | Other:  |

| Well Diameter | VCF  | Well Diameter | VCF   |
|---------------|------|---------------|-------|
| 1"            | 0.04 | 6"            | 1.47  |
| 2"            | 0.16 | 8"            | 2.61  |
| 3"            | 0.37 | 10"           | 4.08  |
| 4"            | 0.65 | 12"           | 5.87  |
| 5"            | 1.02 | 16"           | 10.43 |

$$\frac{1.73}{\text{1 Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{5.19}{\text{gallons}}$$

Purging: Bailer  Disposable Bailer  Middleburg  Electric Submersible  Extraction Pump  Other \_\_\_\_\_

Sampling: Bailer  Disposable Bailer  Extraction Port  Other \_\_\_\_\_

| TIME | TEMP.<br>(F) | pH  | COND. | TURBIDITY: | VOLUME<br>REMOVED: | OBSERVATIONS: |
|------|--------------|-----|-------|------------|--------------------|---------------|
| 1109 | 64.8         | 7.2 | 1200  | >200       | 2.0                |               |
| 1112 | 65.4         | 7.2 | 1200  | >200       | 4.0                |               |
| 1114 | 65.4         | 7.2 | 1200  | >200       | 5.5                |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |

Did Well Dewater?  If yes, gals. Gallons Actually Evacuated: 5.5

|                 |                      |                |              |
|-----------------|----------------------|----------------|--------------|
| Sampling Time:  | 1124                 | Sampling Date: | 2-8-96       |
| Sample I.D.:    | B-12                 | Laboratory:    | SGP          |
| Analyzed for:   | TPH-G BTEX           | TPH-D          | OTHER: MTBE  |
| Duplicate I.D.: | Cleaning Blank I.D.: |                |              |
| Analyzed for:   | TPH-G BTEX           | TPH-D          | OTHER: _____ |

**CHEVRON WELL MONITORING DATA SHEET**

|                             |                                   |                             |         |
|-----------------------------|-----------------------------------|-----------------------------|---------|
| Project #:                  | 960208-V-1                        | Station #:                  | 9-0290  |
| Sampler:                    | Flood                             | Start Date:                 | 2-8-96  |
| Well I.D.:                  | B-11                              | Well Diameter: (circle one) | 2 3 4 6 |
| Total Well Depth:           | Depth to Water:                   |                             |         |
| Before 14.86                | After                             | Before 4.44                 | After   |
| Depth to Free Product:      | Thickness of Free Product (feet): |                             |         |
| Measurements referenced to: | PVC                               | Grade                       | Other:  |

| Well Diameter | VCF  | Well Diameter | VCF   |
|---------------|------|---------------|-------|
| 1"            | 0.04 | 6"            | 1.47  |
| 2"            | 0.16 | 8"            | 2.61  |
| 3"            | 0.37 | 10"           | 4.08  |
| 4"            | 0.65 | 12"           | 5.87  |
| 5"            | 1.02 | 16"           | 10.43 |

|               |                   |   |         |
|---------------|-------------------|---|---------|
| 1.66          | x                 | 3 | 5.00    |
| 1 Case Volume | Specified Volumes | = | gallons |

Purging: Bailer      Disp      Sampling: Bailer  
 Disposable Bailer      Disposable Bailer  
 Middleburg      Extraction Port  
 Electric Submersible      Other  
 Extraction Pump  
 Other

| TIME | TEMP.<br>(F) | PH  | COND. | TURBIDITY: | VOLUME<br>REMOVED: | OBSERVATIONS: |
|------|--------------|-----|-------|------------|--------------------|---------------|
| 1040 | 65.2         | 7.4 | 800   | 7200       | 2.0                |               |
| 1043 | 64.8         | 7.0 | 600   | >200       | 4.0                |               |
| 1045 | 64.8         | 7.0 | 600   | >200       | 5.0                |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |

Did Well Dewater?  If yes, gals.      Gallons Actually Evacuated: 5.0

Sampling Time: 1055      Sampling Date: 2-8-96

Sample I.D.: B-11      Laboratory: SEQ

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

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

Analyzed for: TPH-G BTEX TPH-D OTHER:  
 (Circle)

## CHEVRON WELL MONITORING DATA SHEET

Project #: 960208-V-1 Station #: 9-0290

Sampler: Fred Start Date: 2-8-96

Well I.D.: B-10 Well Diameter: (circle one)  2 3 4 6

Total Well Depth: Depth to Water:

Before 16.12 After Before 4.55 After

Depth to Free Product: Thickness of Free Product (feet):

Measurements referenced to:  PVC Grade Other:

| Well Diameter | VCF  | Well Diameter | VCF   |
|---------------|------|---------------|-------|
| 1"            | 0.04 | 6"            | 1.47  |
| 2"            | 0.16 | 8"            | 2.61  |
| 3"            | 0.37 | 10"           | 4.08  |
| 4"            | 0.65 | 12"           | 5.87  |
| 5"            | 1.02 | 16"           | 10.43 |

1.85

x

3

1 Case Volume

Specified Volumes

= gallons

5.55

Purging: Bailer  Disp.  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling: Bailer  
 Disposable Bailer  
 Extraction Port  
 Other \_\_\_\_\_

| TIME | TEMP.<br>(F) | PH  | COND. | TURBIDITY: | VOLUME<br>REMOVED: | OBSERVATIONS: |
|------|--------------|-----|-------|------------|--------------------|---------------|
| 1011 | 64.8         | 7.2 | 1000  | >200       | 2.0                |               |
| 1014 | 65.4         | 6.8 | 1000  | >200       | 4.0                |               |
| 1017 | 65.4         | 6.8 | 1000  | >200       | 6.0                |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |

Did Well Dewater?  If yes, gals.

Gallons Actually Evacuated: 6.0

Sampling Time: 1027

Sampling Date: 2-8-96

Sample I.D.: B-10

Laboratory: SEQ

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

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:  
(Circle)

CHEVRON WELL MONITORING DATA SHEET

|                             |            |                                   |           |
|-----------------------------|------------|-----------------------------------|-----------|
| Project #:                  | 960208-V-1 | Station #:                        | 9-0290    |
| Sampler:                    | FRED       | Start Date:                       | 2-8-96    |
| Well I.D.:                  | B-5        | Well Diameter: (circle one)       | (2) 3 4 6 |
| Total Well Depth:           |            | Depth to Water:                   |           |
| Before                      | 18.00      | After                             | 3.80      |
| Depth to Free Product:      |            | Thickness of Free Product (feet): |           |
| Measurements referenced to: | PVC        | Grade                             | Other:    |

| Well Diameter | VCF  | Well Diameter | VCF   |
|---------------|------|---------------|-------|
| 1"            | 0.04 | 6"            | 1.47  |
| 2"            | 0.16 | 8"            | 2.61  |
| 3"            | 0.37 | 10"           | 4.08  |
| 4"            | 0.65 | 12"           | 5.87  |
| 5"            | 1.02 | 16"           | 10.43 |

|               |   |                   |           |
|---------------|---|-------------------|-----------|
| 2.27          | x | 3                 | 6.81      |
| 1 Case Volume |   | Specified Volumes | = gallons |

Purging: Bailer      Disp      Sampling: Bailer  
 Disposable Bailer      Disposable Bailer  
 Middleburg      Extraction Port  
 Electric Submersible      Other  
 Extraction Pump  
 Other

| TIME | TEMP.<br>(F) | pH  | COND. | TURBIDITY: | VOLUME<br>REMOVED: | OBSERVATIONS: |
|------|--------------|-----|-------|------------|--------------------|---------------|
| 0943 | 67.2         | 6.8 | 600   | >200       | 2.5                | Reflow        |
| 0946 | 65.6         | 7.0 | 600   | >200       | 5.0                | to            |
| 0952 | 65.6         | 7.0 | 600   | >200       | 7.0                | gallons       |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |

Did Well Dewater? If yes, gals.      Gallons Actually Evacuated: 7.0

Sampling Time: 1002      Sampling Date: 2-8-96

Sample I.D.: B-5      Laboratory: SEQ

Analyzed for: TPH-G BTEX TPH-D OTHER:

MTBE

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

Analyzed for: TPH-G BTEX TPH-D OTHER:  
(Circle)

## CHEVRON WELL MONITORING DATA SHEET

|                             |            |                                   |           |
|-----------------------------|------------|-----------------------------------|-----------|
| Project #:                  | 960208-U-1 | Station #:                        | 9-0290    |
| Sampler:                    | T-mad      | Start Date:                       | 2-8-96    |
| Well I.D.:                  | B-6        | Well Diameter: (circle one)       | (2) 3 4 6 |
| Total Well Depth:           |            | Depth to Water:                   |           |
| Before 18.75 After          |            | Before 4.70 After                 |           |
| Depth to Free Product:      |            | Thickness of Free Product (feet): |           |
| Measurements referenced to: | PVC        | Grade                             | Other:    |

| Well Diameter | VCF  | Well Diameter | VCF   |
|---------------|------|---------------|-------|
| 1"            | 0.04 | 6"            | 1.47  |
| 2"            | 0.16 | 8"            | 2.61  |
| 3"            | 0.37 | 10"           | 4.08  |
| 4"            | 0.65 | 12"           | 5.87  |
| 5"            | 1.02 | 16"           | 10.43 |

|               |                   |   |         |
|---------------|-------------------|---|---------|
| 2.24          | x                 | 3 | 6.74    |
| 1 Case Volume | Specified Volumes | = | gallons |

Purging: Bailer  Disp  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling: Bailer   
 Disposable Bailer  
 Extraction Port  
 Other \_\_\_\_\_

| TIME | TEMP.<br>(F) | PH  | COND. | TURBIDITY: | VOLUME<br>REMOVED: | OBSERVATIONS: |
|------|--------------|-----|-------|------------|--------------------|---------------|
| 0912 | 67.6         | 6.8 | 800   | >200       | 2.5                |               |
| 0915 | 67.4         | 6.8 | 800   | >200       | 5.0                |               |
| 0918 | 67.6         | 6.8 | 800   | >200       | 7.0                |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |
|      |              |     |       |            |                    |               |

Did Well Dewater?  If yes, gals. Gallons Actually Evacuated: 7.0

Sampling Time: 0928 Sampling Date: 2-8-96

Sample I.D.: B-6 Laboratory: SEQ

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

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

Analyzed for: TPH-G BTEX TPH-D OTHER: