

Environmental Management  
Company  
6001 Bollinger Canyon Rd, L4050  
P.O. Box 6012  
San Ramon, CA 94583-2324  
Tel 925-842-1589  
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Karen Streich  
Project Manager

10284 ✓  
Alameda County

AUG 18 2004

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August 11, 2004

**ChevronTexaco**

Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Re: Chevron Service Station #9-0121

Address: 3026 Lakeshore Avenue, Oakland, California

I have reviewed the attached routine groundwater monitoring report dated July 16, 2004.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,



Karen Streich  
Project Manager

Enclosure: Report

EW 284

Alameda County

AUG 18 2004



# GETTLER-RYAN INC.

## TRANSMITTAL

July 16, 2004  
G-R #386462

TO: Ms. Kristene Tidwell  
Cambria Environmental Technology, Inc.  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

CC: Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6012, Room K2256  
San Ramon, California 94583

FROM: Deanna L. Harding  
Project Coordinator  
Gettler-Ryan Inc.  
6747 Sierra Court, Suite J  
Dublin, California 94568

RE: **Chevron Service Station  
#9-0121  
3026 Lakeshore Avenue  
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

| COPIES | DATED         | DESCRIPTION   |
|--------|---------------|---|
| 1      | July 12, 2004 | Groundwater Monitoring and Sampling Report<br>Second Quarter - Event of June 17, 2004 |

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **August 10, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Enclosures

trans/9-0121-KS



# GETTLER - RYAN INC.

July 12, 2004  
G-R Job #386462

Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6012, Room K2256  
San Ramon, CA 94583

**RE: Second Quarter Event of June 17, 2004**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

Dear Ms. Streich:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1. Dissolved Oxygen concentrations are presented in Table 2.

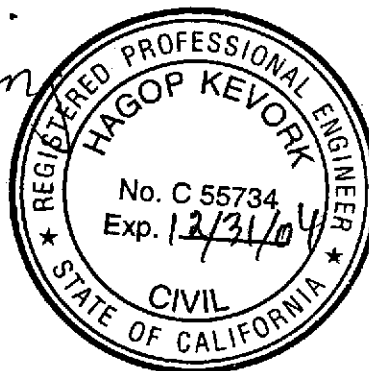
Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

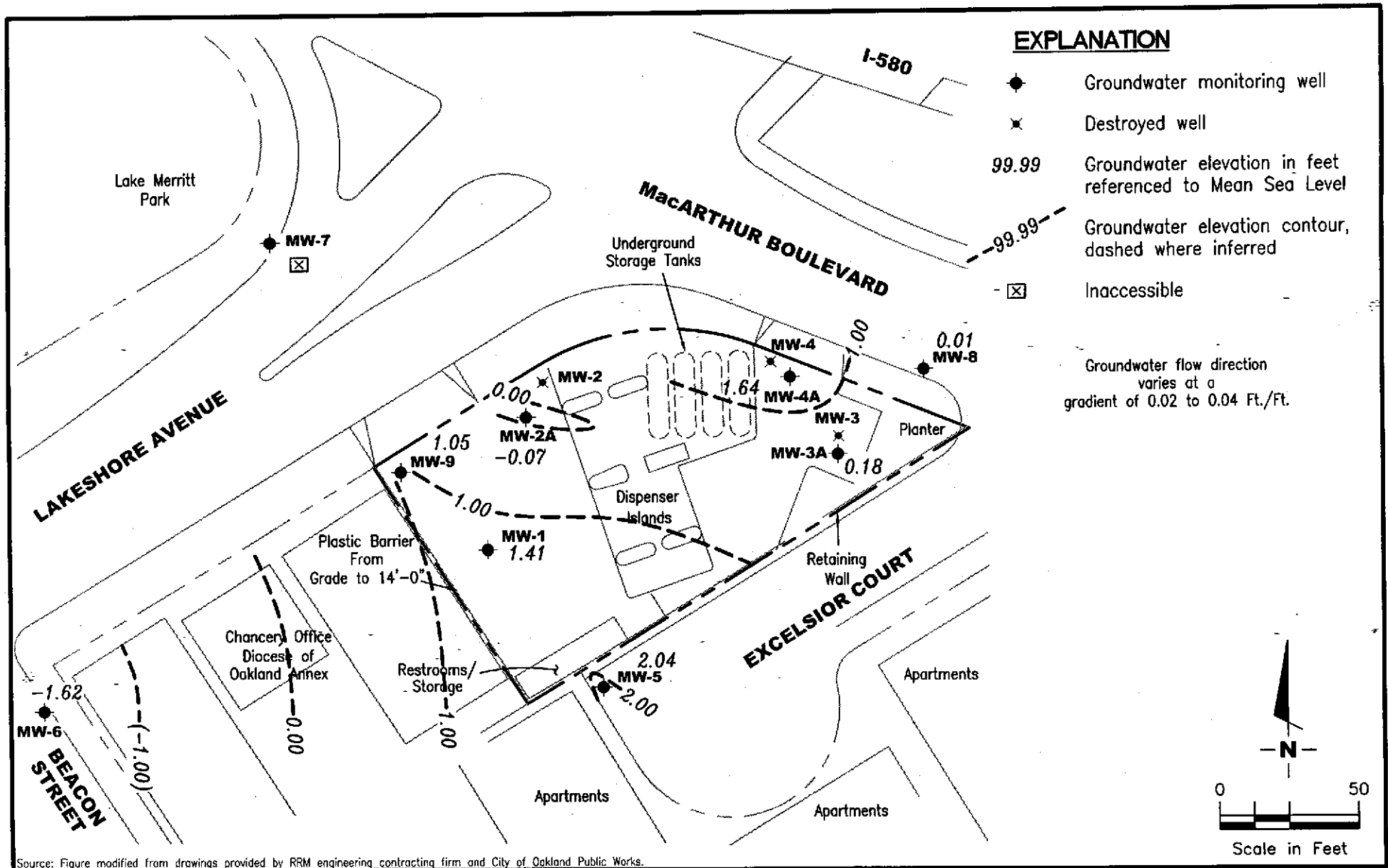
Sincerely,

Deanna L. Harding  
Project Coordinator

Hagop Kevork  
P.E. No. C55734



- Figure 1: Potentiometric Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Dissolved Oxygen Concentrations
- Table 3: Groundwater Analytical Results
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawings provided by RRM engineering contracting firm and City of Oakland Public Works.

**GETTLER - RYAN INC.**  
 6747 Sierra Ct., Suite J  
 Dublin, CA 94568 (925) 551-7555

**POTENTIOMETRIC MAP**  
 Chevron Service Station #9-0121  
 3026 Lakeshore Avenue  
 Oakland, California

FIGURE

1

PROJECT NUMBER  
 386462

REVIEWED BY

DATE  
 June 17, 2004

REVISED DATE

FILE NAME: P:\Enviro\Chevron\9-0121\Q04-9-0121.DWG | Layout Tab: Pot2

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)     | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------|--------------|--------------|--------------|---------------|-----------------------------|--------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| MW-1             |              |              |              |               |                             |                    |                |            |            |            |            |               |                  |              |
| 08/20/91         | 6.82         | 1.62         | 5.20         | --            | --                          | 260                | 5,100          | 1,700      | 21         | 220        | 34         | --            | --               | --           |
| 09/30/91         | 6.82         | 1.15         | 5.67         | Sheen         | --                          | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 10/28/91         | 6.82         | 1.50         | 5.30         | 0.03          | --                          | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 01/08/92         | 6.82         | 1.67         | 5.15         | Sheen         | --                          | 4,400              | 5,400          | 770        | 13         | 95         | 31         | --            | --               | --           |
| 01/13/92         | 6.82         | --           | --           | --            | --                          | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 06/23/92         | 6.89         | 1.48         | 5.41         | --            | --                          | 2,000              | 7,700          | 1,500      | 40         | 230        | 100        | --            | --               | --           |
| 08/24/92         | 6.89         | 1.12         | 5.77         | --            | --                          | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/21/92         | 6.89         | 1.00         | 5.89         | --            | --                          | <50                | 3,500          | 1,700      | 28         | 190        | 78         | --            | --               | --           |
| 10/26/92         | 6.89         | 0.95         | 5.94         | --            | --                          | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/23/92         | 6.89         | 2.18         | 4.71         | --            | --                          | 5,500              | 60,000         | 7,100      | 240        | 2,000      | 1,300      | --            | --               | --           |
| 01/08/93         | 6.89         | --           | --           | --            | --                          | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/25/93         | 6.89         | 2.17         | 4.72         | --            | --                          | <10                | 530            | 1,100      | 41         | 67         | 79         | --            | --               | --           |
| 06/11/93         | 6.89         | 5.37         | 5.07         | --            | --                          | --                 | 7,000          | 1,900      | 33         | 120        | 69         | 9,600         | --               | 840          |
| 09/29/93         | 6.89         | 1.13         | 5.76         | --            | --                          | <10                | 6,600          | 1,600      | 28         | 43         | 74         | --            | --               | --           |
| 12/20/93         | 6.89         | 1.74         | 5.15         | --            | --                          | <10                | 6,300          | 1,900      | 36         | 82         | 65         | --            | --               | --           |
| 03/07/94         | 6.89         | 2.21         | 4.68         | --            | --                          | <10                | 7,700          | 1,100      | 55         | 66         | 38         | 12,000        | --               | --           |
| 06/17/94         | 6.89         | 1.83         | 5.06         | --            | --                          | 2,200              | 4,300          | 710        | 12         | 90         | 38         | --            | --               | --           |
| 09/12/94         | 6.89         | 1.24         | 5.65         | --            | --                          | 2,500              | 6,400          | 1,500      | <25        | 180        | <25        | 12,000        | --               | --           |
| 11/30/94         | 6.89         | 2.32         | 4.57         | --            | --                          | 2,300 <sup>1</sup> | 4,900          | 690        | 26         | 97         | 60         | 3,900         | --               | --           |
| 03/24/95         | 6.89         | 3.91         | 2.98         | --            | --                          | 1,400 <sup>2</sup> | 1,800          | 160        | 7.3        | 11         | 14         | 1,300         | --               | --           |
| 06/27/95         | 6.89         | 1.87         | 5.02         | --            | --                          | 2,300 <sup>2</sup> | 4,600          | 1,300      | 11         | 97         | 13         | 5,100         | --               | --           |
| 09/28/95         | 6.89         | 1.59         | 5.30         | --            | --                          | 3,900 <sup>2</sup> | 6,600          | 1,500      | <20        | <20        | <20        | 5,800         | --               | --           |
| 12/19/95         | 6.89         | 2.21         | 4.68         | --            | --                          | 2,600 <sup>2</sup> | 3,800          | 930        | <10        | 100        | <10        | 6,300         | --               | --           |
| 02/28/96         | 6.89         | 3.27         | 3.62         | --            | --                          | 1,800 <sup>2</sup> | 3,600          | 280        | <5.0       | 18         | 5.5        | 2,200         | --               | --           |
| 06/25/96         | 6.89         | 1.87         | 5.02         | --            | --                          | 3,000              | 4,700          | 1,600      | 36         | 150        | 31         | 3,000         | --               | --           |
| 12/17/96         | 6.89         | 2.23         | 4.66         | --            | --                          | 2,700 <sup>3</sup> | 7,800          | 1,000      | 28         | 340        | 63         | 1,200         | --               | --           |
| 03/31/97         | 6.89         | 2.01         | 4.88         | --            | --                          | 2,200 <sup>2</sup> | 5,300          | 590        | 55         | 210        | 53         | 950           | --               | --           |
| 06/30/97         | 6.89         | 1.32         | 5.57         | --            | --                          | 2,200 <sup>2</sup> | 4,400          | 350        | <10        | <10        | 11         | 580           | --               | --           |
| 09/12/97         | 6.89         | 1.56         | 5.33         | --            | --                          | 2,300 <sup>2</sup> | 3,400          | 220        | 9.5        | 15         | 11         | 460           | --               | --           |
| 12/05/97         | 6.89         | 2.44         | 4.45         | --            | --                          | 1,900 <sup>2</sup> | 4,700          | 870        | 21         | 120        | 18         | 750           | --               | --           |
| 02/16/98         | 6.89         | 3.52         | 3.37         | --            | --                          | 1,600 <sup>2</sup> | 4,400          | 120        | 12         | 11         | 7.7        | 270           | --               | --           |
| 06/17/98         | 6.89         | 2.24         | 4.65         | --            | --                          | 1,300 <sup>2</sup> | 7,800          | <25        | 50         | 34         | 650        | 650           | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE          | TOC<br>(ft.) | GWE<br>(msf) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)     | TPH-G<br>(ppb)      | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|---------------------------|--------------|--------------|--------------|---------------|-----------------------------|--------------------|---------------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>MW-1 (cont)</b>        |              |              |              |               |                             |                    |                     |            |            |            |            |               |                  |              |
| 08/31/98                  | 6.89         | 1.70         | 5.19         | --            | --                          | 2,400 <sup>2</sup> | 3,700               | 620        | 17         | 120        | 31         | 380           | --               | --           |
| 12/28/98                  | 6.89         | 1.94         | 4.95         | --            | --                          | 1,500 <sup>2</sup> | 3,800               | 250        | 14         | 28         | 15         | 330           | --               | --           |
| 03/04/99                  | 6.89         | 3.24         | 3.65         | --            | --                          | 1,070 <sup>2</sup> | 1,560               | 17.9       | <0.5       | 4.17       | 1.05       | 70.4          | --               | --           |
| 06/14/99                  | 6.89         | 1.89         | 5.00         | --            | --                          | 2,500 <sup>2</sup> | <10,000             | 820        | 240        | 320        | 640        | <500          | --               | --           |
| 09/17/99                  | 6.89         | 0.30         | 6.59         | --            | --                          | 2,110 <sup>2</sup> | 3,300               | 141        | 12.3       | <10        | <10        | 238           | --               | --           |
| 12/20/99                  | 6.89         | 1.92         | 4.97         | --            | --                          | 1,840 <sup>2</sup> | 2,990               | 218        | 16.3       | 20         | <10        | 232           | --               | --           |
| 03/20/00                  | 6.89         | 3.11         | 3.78         | --            | --                          | 938 <sup>2</sup>   | 1,340               | 20         | 3.07       | 1.87       | 1.87       | 29.1          | --               | --           |
| 06/24/00 <sup>5</sup>     | 6.89         | 2.45         | 4.44         | 0.00          | 0.00                        | 1,680 <sup>9</sup> | 1,500 <sup>7</sup>  | 12         | 5.3        | <2.5       | 7.9        | 190           | --               | --           |
| 09/07/00 <sup>5</sup>     | 6.89         | 1.74         | 5.15         | 0.00          | 0.00                        | 1,500 <sup>9</sup> | 3,100 <sup>7</sup>  | 190        | 13         | 14         | <10        | 210           | --               | --           |
| 12/05/00 <sup>5</sup>     | 6.89         | 2.16         | 4.73         | 0.00          | 0.00                        | 970 <sup>13</sup>  | 2,140 <sup>14</sup> | 248        | <5.00      | 20.5       | <5.00      | <25.0         | --               | --           |
| 03/01/01 <sup>5</sup>     | 6.89         | 3.33         | 3.56         | 0.00          | 0.00                        | 610 <sup>9</sup>   | 1,000 <sup>7</sup>  | 21         | <10        | <10        | <10        | 280           | --               | --           |
| 06/04/01 <sup>5</sup>     | 6.89         | 2.13         | 4.76         | 0.00          | 0.00                        | 1,100 <sup>9</sup> | 2,800 <sup>7</sup>  | 310        | 23         | 11         | 15         | 470           | --               | --           |
| 09/10/01 <sup>5</sup>     | 6.89         | 1.28         | 5.61         | 0.00          | 0.00                        | 2,600              | 2,500 <sup>16</sup> | <20        | 26         | <20        | <20        | 310           | --               | --           |
| 12/03/01 <sup>5</sup>     | 6.89         | 3.31         | 3.58         | 0.00          | 0.00                        | 2,700              | 2,400               | 30         | 7.3        | 7.0        | 6.5        | 160           | --               | --           |
| 03/04/02 <sup>5</sup>     | 6.89         | 2.36         | 4.53         | 0.00          | 0.00                        | 2,700              | 3,300               | 120        | 17         | 22         | 9.0        | 110           | --               | --           |
| 05/30/02 <sup>5</sup>     | 6.89         | 2.41         | 4.48         | 0.00          | 0.00                        | 2,700              | 4,100               | 110        | 9.3        | 22         | 11         | 100           | --               | --           |
| 09/03/02 <sup>5</sup>     | 6.89         | 1.42         | 5.47         | 0.00          | 0.00                        | 2,900              | 3,700               | <5.0       | 7.8        | 3.2        | 10         | 130           | --               | --           |
| 12/09/02 <sup>5</sup>     | 6.89         | 1.61         | 5.28         | 0.00          | 0.00                        | 3,000              | 2,900               | 35         | 5.1        | 5.5        | 8.3        | 170           | --               | --           |
| 03/10/03 <sup>5</sup>     | 6.89         | 2.50         | 4.39         | 0.00          | 0.00                        | 1,600              | 3,000               | 42         | 5.0        | 8.2        | 8.7        | 110           | --               | --           |
| 06/09/03 <sup>5,18</sup>  | 6.89         | 2.53         | 4.36         | 0.00          | 0.00                        | 2,000              | 5,200               | 140        | 16         | 20         | 15         | 100           | --               | --           |
| 09/08/03 <sup>5,18</sup>  | 6.89         | 1.52         | 5.37         | 0.00          | 0.00                        | 2,100              | 3,500               | 4          | 10         | 2          | 11         | 200           | <50              | --           |
| 12/08/03 <sup>5,18</sup>  | 6.89         | 2.44         | 4.45         | 0.00          | 0.00                        | 3,400              | 2,200               | 8          | 4          | 3          | 8          | 160           | <50              | --           |
| 03/09/04 <sup>18,20</sup> | 6.89         | 2.86         | 4.03         | 0.00          | 0.00                        | 3,300              | 1,500               | 16         | 3          | 5          | 4          | 99            | <130             | --           |
| 06/17/04 <sup>18</sup>    | 6.89         | 1.41         | 5.48         | 0.00          | 0.00                        | 2,700              | 3,400               | 180        | 13         | 27         | 13         | 160           | <50              | --           |
| <b>MW-2</b>               |              |              |              |               |                             |                    |                     |            |            |            |            |               |                  |              |
| 08/20/91                  | 6.27         | 1.92         | 4.35         | --            | --                          | 600                | 9,300               | 3,700      | 55         | 530        | 75         | --            | --               | --           |
| 09/30/91                  | 6.27         | 1.28         | 4.99         | --            | --                          | --                 | 3,500               | 2,600      | 47         | 440        | 68         | --            | --               | --           |
| 10/28/91                  | 6.27         | 1.36         | 4.91         | --            | --                          | --                 | 4,600               | 1,800      | 29         | 290        | 53         | --            | --               | --           |
| 01/08/92                  | 6.27         | 1.63         | 4.64         | Sheen         | --                          | --                 | 14,000              | 4,300      | 70         | <25        | 130        | --            | --               | --           |
| 01/13/92                  | 6.27         | --           | --           | --            | --                          | 38,000             | --                  | --         | --         | --         | --         | --            | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>MW-2 (cont)</b> |              |              |              |               |                             |                |                |            |            |            |            |               |                  |              |
| 06/23/92           | 6.27         | 1.63         | 4.64         | 0.02          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 08/24/92           | 6.27         | 1.34         | 4.94         | 0.02          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/21/92           | 6.27         | 1.20         | 5.08         | 0.01          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 10/26/92           | 6.27         | 0.34         | 5.93         | --            | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/23/92           | 6.27         | --           | --           | --            | --                          | 160,000        | 21,000         | 5,400      | 59         | 1,300      | 160        | --            | --               | --           |
| 01/08/93           | 6.27         | 2.57         | 3.70         | --            | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/25/93           | 6.27         | 2.89         | 3.38         | Sheen         | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 06/11/93           | 6.27         | 2.09         | 4.18         | --            | --                          | --             | 5,900          | 1,100      | 23         | 240        | 51         | --            | --               | 2,300        |
| 09/29/93           | 6.27         | 0.07         | 6.20         | --            | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/20/93           | 6.27         | 1.94         | 4.35         | 0.02          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/07/94           | 6.27         | 2.60         | 3.67         | --            | --                          | <10            | 26,000         | 5,700      | 170        | 1,000      | 150        | --            | --               | --           |
| 06/17/94           | 6.27         | 2.25         | 4.02         | Sheen         | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/12/94           | 6.27         | 1.45         | 4.83         | 0.01          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 11/30/94           | 6.27         | 2.27         | 4.00         | --            | --                          | INACCESSIBLE   |                | --         | --         | --         | --         | --            | --               | --           |
| 03/24/95           | 6.27         | 2.73         | 4.01         | 0.59          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 06/27/95           | 6.27         | 1.71         | 4.96         | 0.50          | 0.013                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/28/95           | 6.27         | 2.62         | 4.25         | 0.75          | 0.013                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/19/95           | 6.27         | 1.99         | 4.76         | 0.60          | 0.010                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 02/28/96           | 6.27         | 1.99         | 4.58         | 0.38          | 0.008                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 06/25/96           | 6.27         | 2.36         | 4.29         | 0.47          | 0.030                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/17/96           | 6.27         | 2.22         | 4.16         | 0.14          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/31/97           | 6.27         | 2.34         | 4.07         | 0.18          | 0.030                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 06/30/97           | 6.27         | 2.06         | 4.32         | 0.14          | 0.030                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/12/97           | 6.27         | 2.00         | 4.38         | 0.14          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/05/97           | 6.27         | 2.51         | 3.78         | 0.02          | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 02/16/98           | 6.27         | 3.08         | 3.29         | 0.12          | 0.007                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 06/17/98           | 6.27         | 2.35         | 4.00         | 0.10          | 0.010                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 08/31/98           | 6.27         | 0.65         | 5.71         | 0.11          | 0.008                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/28/98           | 6.27         | 1.75         | 4.60         | 0.10          | 0.005                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/04/99           | 6.27         | 2.58         | 3.73         | 0.05          | 0.200                       | --             | --             | --         | --         | --         | --         | --            | --               | --           |

DESTROYED

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)     | TPH-G<br>(ppb)    | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb)       | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------------|--------------|--------------|--------------|---------------|-----------------------------|--------------------|-------------------|------------|------------|------------|------------|---------------------|------------------|--------------|
| <b>MW-2A</b>           |              |              |              |               |                             |                    |                   |            |            |            |            |                     |                  |              |
| 04/19/99               | 6.53         | 1.67         | 4.86         | --            | --                          | 820 <sup>2</sup>   | <2,000            | <20        | <20        | <20        | <20        | 9,200               | --               | --           |
| 06/14/99               | 6.53         | 1.23         | 5.30         | --            | --                          | 2,000 <sup>2</sup> | <5,000            | 89         | <50        | 66         | <50        | 10,000              | --               | --           |
| 09/17/99               | 6.53         | 0.69         | 5.84         | --            | --                          | 1,050 <sup>2</sup> | 903               | 42         | 1.63       | 22.8       | 7.74       | 11,400              | --               | --           |
| 12/20/99               | 6.53         | -0.07        | 6.60         | --            | --                          | 2,820 <sup>2</sup> | 2,280             | 115        | <10        | 87.2       | 27.2       | 14,000              | --               | --           |
| 03/20/00               | 6.53         | 1.74         | 4.79         | --            | --                          | 1,220 <sup>2</sup> | 1,040             | 54.3       | <5.0       | 33.8       | 12.1       | 10,900 <sup>2</sup> | --               | --           |
| 06/24/00               | 6.53         | 1.28         | 5.25         | 0.00          | 0.00                        | 1,300 <sup>9</sup> | 690 <sup>7</sup>  | 50         | 2.5        | 18         | 9.5        | 15,000 <sup>8</sup> | --               | --           |
| 09/07/00               | 6.53         | 1.09         | 5.44         | 0.00          | 0.00                        | 770 <sup>9</sup>   | 310 <sup>7</sup>  | 6.7        | 1.4        | 1.6        | 3.8        | 16,000              | --               | --           |
| 12/05/00               | 6.53         | 1.16         | 5.37         | 0.00          | 0.00                        | 810 <sup>13</sup>  | 414 <sup>14</sup> | 32.4       | <0.500     | 7.49       | 5.96       | 8,910 <sup>8</sup>  | --               | --           |
| 03/01/01               | 6.53         | 2.03         | 4.50         | 0.00          | 0.00                        | 590 <sup>9</sup>   | 370 <sup>7</sup>  | 30         | 4.0        | 12         | 9.2        | 8,200               | --               | --           |
| 06/04/01               | 6.53         | 1.36         | 5.17         | 0.00          | 0.00                        | 930 <sup>9</sup>   | <500              | 19         | <5.0       | <5.0       | <5.0       | 7,800               | --               | --           |
| 09/10/01               | 6.53         | 0.79         | 5.74         | 0.00          | 0.00                        | 2,400              | <5,000            | <50        | <50        | <50        | <50        | 9,700               | --               | --           |
| 12/03/01               | 6.53         | 1.46         | 5.07         | 0.00          | 0.00                        | 2,500              | 480               | 4.5        | <1.0       | 1.1        | <3.0       | 10,000              | --               | --           |
| 03/04/02               | 6.53         | 1.52         | 5.01         | 0.00          | 0.00                        | 2,300              | 630               | 5.4        | 1.5        | 2.9        | 2.3        | 7,000               | --               | --           |
| 05/30/02               | 6.53         | 1.66         | 4.87         | 0.00          | 0.00                        | 2,100              | 520               | 6.1        | <1.0       | 2.6        | 5.4        | 7,100               | --               | --           |
| 09/03/02               | 6.53         | 1.03         | 5.50         | 0.00          | 0.00                        | 2,600              | 590               | 7.8        | 0.98       | 2.9        | 7.8        | 7,800               | --               | --           |
| 12/09/02               | 6.53         | 1.06         | 5.47         | 0.00          | 0.00                        | 1,900              | 670               | 7.9        | 0.88       | 2.1        | 5.0        | 8,300               | --               | --           |
| 03/10/03               | 6.53         | 1.52         | 5.01         | 0.00          | 0.00                        | 1,700              | 640               | 8.0        | 0.76       | 2.6        | 4.1        | 7,500               | --               | --           |
| 06/09/03 <sup>18</sup> | 6.53         | 1.77         | 4.76         | 0.00          | 0.00                        | 1,900              | 540               | 3          | <3         | <3         | <3         | 6,800               | --               | --           |
| 09/08/03 <sup>18</sup> | 6.53         | 1.16         | 5.37         | 0.00          | 0.00                        | 2,000              | 540               | 3          | 0.7        | 0.7        | 3          | 7,000               | <50              | --           |
| 12/08/03 <sup>18</sup> | 6.53         | 1.34         | 5.19         | 0.00          | 0.00                        | 3,100              | 480               | <5         | <5         | <5         | <5         | 6,500               | <500             | --           |
| 03/09/04 <sup>18</sup> | 6.53         | 1.81         | 4.72         | 0.00          | 0.00                        | 1,200              | 1,300             | 44         | 2          | 15         | 10         | 2,900               | <130             | --           |
| 06/17/04 <sup>18</sup> | 6.53         | -0.07        | 6.60         | 0.00          | 0.00                        | 2,300              | 920               | 23         | 2          | 6          | 12         | 1,700               | <100             | --           |
| <b>MW-3</b>            |              |              |              |               |                             |                    |                   |            |            |            |            |                     |                  |              |
| 08/20/91               | 8.71         | 0.26         | 8.45         | --            | --                          | 200                | 3,100             | 200        | 13         | 15         | 12         | --                  | --               | --           |
| 09/30/91               | 8.71         | -0.03        | 8.74         | --            | --                          | --                 | 1,000             | 150        | 8.3        | 13         | 6.7        | --                  | --               | --           |
| 10/28/91               | 8.71         | -0.05        | 8.76         | --            | --                          | --                 | 1,200             | 120        | 6.7        | 11         | 7.5        | --                  | --               | --           |
| 01/08/92               | 8.71         | -0.06        | 8.77         | --            | --                          | --                 | 410               | 120        | 0.9        | 4.1        | 3.4        | --                  | --               | --           |
| 01/13/92               | 8.71         | --           | --           | --            | --                          | 220                | --                | --         | --         | --         | --         | --                  | --               | --           |
| 06/23/92               | 8.71         | 0.03         | 8.68         | --            | --                          | <50                | 630               | 43         | 0.8        | 8.2        | 3.4        | --                  | --               | --           |
| 08/24/92               | 8.71         | -0.14        | 8.85         | --            | --                          | --                 | --                | --         | --         | --         | --         | --                  | --               | --           |



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)     | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|-----------------------------|--------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>MW-3 (cont)</b> |              |              |              |               |                             |                    |                |            |            |            |            |               |                  |              |
| 09/21/92           | 8.71         | -0.23        | 8.94         | --            | --                          | <50                | 1,800          | 730        | 1.4        | 66         | 39         | --            | --               | --           |
| 10/26/92           | 8.71         | -0.36        | 9.07         | --            | --                          | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/23/92           | 8.71         | --           | --           | --            | --                          | 850                | 840            | 270        | 3.4        | 15         | 4.2        | --            | --               | --           |
| 01/08/93           | 8.71         | 1.02         | 7.69         | --            | --                          | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/25/93           | 8.71         | 0.97         | 7.74         | --            | --                          | <10                | 760            | 270        | 4.0        | 10         | 5.0        | --            | --               | --           |
| 06/11/93           | 8.71         | 0.19         | 8.52         | --            | --                          | --                 | 200            | 32         | 1.0        | 5.0        | 2.0        | --            | --               | 5,600        |
| 09/29/93           | 8.71         | 2.66         | 6.05         | --            | --                          | --                 | 9,300          | 2,800      | 60         | 270        | 62         | --            | --               | --           |
| 12/20/93           | 8.71         | -0.12        | 8.83         | --            | --                          | <10                | 460            | 250        | 4.0        | 8.0        | 4.0        | --            | --               | --           |
| 03/07/94           | 8.71         | 0.64         | 8.07         | --            | --                          | <10                | 2,400          | 260        | 13         | 35         | 18         | --            | --               | --           |
| 06/17/94           | 8.71         | 0.19         | 8.52         | --            | --                          | <50                | 1,000          | 200        | 4.0        | 6.6        | 6.7        | --            | --               | --           |
| 09/12/94           | 8.71         | -0.21        | 8.92         | --            | --                          | <50                | 360            | 130        | 3.4        | 4.8        | 3.3        | 130           | --               | --           |
| 11/30/94           | 8.71         | 0.58         | 8.13         | --            | --                          | INACCESSIBLE       |                |            | --         | --         | --         | --            | --               | --           |
| 03/24/95           | 8.71         | 1.93         | 6.78         | --            | --                          | 1,200 <sup>2</sup> | 4,100          | 920        | <10        | 23         | <10        | 70            | --               | --           |
| 06/27/95           | 8.71         | 0.49         | 8.22         | --            | --                          | 1,000 <sup>2</sup> | 3,100          | 640        | 16         | 31         | <10        | <50           | --               | --           |
| 09/28/95           | 8.71         | -0.14        | 8.85         | --            | --                          | 460 <sup>2</sup>   | 490            | 78         | 3.4        | 4.4        | 2.4        | 38            | --               | --           |
| 12/19/95           | 8.71         | 0.69         | 8.02         | --            | --                          | 650 <sup>2</sup>   | 2,600          | 580        | <10        | 25         | <10        | <50           | --               | --           |
| 02/28/96           | 8.71         | 1.16         | 7.55         | --            | --                          | 780 <sup>2</sup>   | 1,500          | 510        | <5.0       | 9.9        | <5.0       | <25           | --               | --           |
| 06/25/96           | 8.71         | 0.34         | 8.37         | --            | --                          | 1,200 <sup>2</sup> | 1,300          | 390        | 7.8        | 14         | 6.5        | 31            | --               | --           |
| 12/17/96           | 8.71         | 0.41         | 8.30         | --            | --                          | 1,100 <sup>2</sup> | 760            | 85         | <1.2       | 5.9        | 5.1        | <6.2          | --               | --           |
| 03/31/97           | 8.71         | 0.52         | 8.19         | --            | --                          | 1,300 <sup>2</sup> | 2,000          | 380        | 12         | 24         | 12         | <25           | --               | --           |
| 06/30/97           | 8.71         | 0.00         | 8.71         | --            | --                          | 620 <sup>2</sup>   | 1,900          | 340        | 9.9        | 23         | 6.1        | <25           | --               | --           |
| 09/12/97           | 8.71         | 1.07         | 7.64         | --            | --                          | 400 <sup>2</sup>   | 1,200          | 200        | 4.6        | 14         | 4.8        | 3.9           | --               | --           |
| 12/05/97           | 8.71         | 0.46         | 8.25         | --            | --                          | 190 <sup>2</sup>   | 460            | 72         | 2.7        | 5.2        | 1.7        | <5.0          | --               | --           |
| 02/16/98           | 8.71         | 1.71         | 7.00         | --            | --                          | 1,000 <sup>2</sup> | 6,200          | 1,100      | 20         | 34         | 12         | <50           | --               | --           |
| 06/17/98           | 8.71         | 0.71         | 8.00         | --            | --                          | 1,100 <sup>2</sup> | 3,000          | 350        | <10        | <10        | <10        | 120           | --               | --           |
| 08/31/98           | 8.71         | 0.08         | 8.63         | --            | --                          | 790 <sup>2</sup>   | 430            | 100        | 2.6        | 8.6        | 6.0        | <12           | --               | --           |
| 12/28/98           | 8.71         | -0.02        | 8.73         | --            | --                          | 180 <sup>2</sup>   | 1,400          | 220        | <10        | 12         | <10        | <50           | --               | --           |
| 03/04/99           | 8.71         | 1.06         | 7.65         | --            | --                          | 763 <sup>2</sup>   | 2,880          | 355        | 9.15       | 19         | <5.0       | <20           | --               | --           |
| DESTROYED          |              |              |              |               |                             |                    |                |            |            |            |            |               |                  |              |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msf) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)   | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------------|--------------|--------------|--------------|---------------|-----------------------------|------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>MW-3A</b>           |              |              |              |               |                             |                  |                |            |            |            |            |               |                  |              |
| 04/19/99               | 8.70         | 1.00         | 7.70         | --            | --                          | 93 <sup>2</sup>  | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 3.1           | --               | --           |
| 06/14/99               | 8.70         | 0.50         | 8.20         | --            | --                          | 160 <sup>2</sup> | 148            | 4.55       | 0.82       | 0.53       | 1.1        | 3.7           | --               | --           |
| 09/17/99               | 8.70         | -0.02        | 8.72         | --            | --                          | 101 <sup>2</sup> | 169            | 6.02       | 0.806      | 0.515      | 0.786      | 4.68          | --               | --           |
| 12/20/99               | 8.70         | -0.22        | 8.92         | --            | --                          | 153 <sup>2</sup> | <50            | 1.82       | <0.5       | <0.5       | <0.5       | 11            | --               | --           |
| 03/20/00               | 8.70         | 1.06         | 7.64         | --            | --                          | 223 <sup>2</sup> | 140            | 5.08       | 0.695      | <0.5       | <0.5       | 10.1          | --               | --           |
| 06/24/00               | 8.70         | 0.32         | 8.38         | 0.00          | 0.00                        | 128 <sup>9</sup> | <50            | 0.74       | <0.50      | <0.50      | <0.50      | 34            | --               | --           |
| 09/07/00               | 8.70         | -0.09        | 8.79         | 0.00          | 0.00                        | <50              | <50            | 1.4        | <0.50      | <0.50      | <0.50      | 15            | --               | --           |
| 12/05/00               | 8.70         | 0.02         | 8.68         | 0.00          | 0.00                        | <50              | <50.0          | 1.39       | <0.500     | <0.500     | <0.500     | 12.9          | --               | --           |
| 03/01/01               | 8.70         | 0.88         | 7.82         | 0.00          | 0.00                        | 66 <sup>11</sup> | <50            | 1.0        | <0.50      | <0.50      | <0.50      | 19            | --               | --           |
| 06/04/01               | 8.70         | 0.25         | 8.45         | 0.00          | 0.00                        | 69 <sup>9</sup>  | <50            | 2.0        | <0.50      | <0.50      | <0.50      | 37            | --               | --           |
| 09/10/01               | 8.70         | -0.40        | 9.10         | 0.00          | 0.00                        | <50              | <50            | 3.9        | <0.50      | <0.50      | <0.50      | 19            | --               | --           |
| 12/03/01               | 8.70         | 0.62         | 8.08         | 0.00          | 0.00                        | 56               | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 19            | --               | --           |
| 03/04/02               | 8.70         | -0.24        | 8.94         | 0.00          | 0.00                        | 85               | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 26            | --               | --           |
| 05/30/02               | 8.70         | -0.08        | 8.78         | 0.00          | 0.00                        | 210              | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 22            | --               | --           |
| 09/03/02               | 8.70         | -0.28        | 8.98         | 0.00          | 0.00                        | 89               | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 24            | --               | --           |
| 12/09/02               | 8.70         | -0.20        | 8.90         | 0.00          | 0.00                        | 110              | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 22            | --               | --           |
| 03/10/03               | 8.70         | 0.58         | 8.12         | 0.00          | 0.00                        | 66               | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 40            | --               | --           |
| 06/09/03 <sup>18</sup> | 8.70         | 0.47         | 8.23         | 0.00          | 0.00                        | 82               | <50            | <0.5       | 0.5        | <0.5       | <0.5       | 35            | --               | --           |
| 09/08/03 <sup>18</sup> | 8.70         | -0.06        | 8.76         | 0.00          | 0.00                        | 110              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 27            | <50              | --           |
| 12/08/03 <sup>18</sup> | 8.70         | 0.20         | 8.50         | 0.00          | 0.00                        | 74 <sup>19</sup> | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 23            | <50              | --           |
| 03/09/04 <sup>18</sup> | 8.70         | 0.99         | 7.71         | 0.00          | 0.00                        | 410              | 53             | 1          | <0.5       | <0.5       | <0.5       | 28            | <50              | --           |
| 06/17/04 <sup>18</sup> | 8.70         | 0.18         | 8.52         | 0.00          | 0.00                        | 430              | 180            | 1          | <0.5       | <0.5       | <0.5       | 3             | <50              | --           |
| <b>MW-4</b>            |              |              |              |               |                             |                  |                |            |            |            |            |               |                  |              |
| 08/20/91               | 7.37         | 1.32         | 5.05         | --            | --                          | 160              | 1,800          | 870        | 4.0        | 3.0        | 9.0        | --            | --               | --           |
| 09/30/91               | 7.37         | 1.70         | 5.67         | --            | --                          | --               | 670            | 830        | 5.5        | 2.7        | 12         | --            | --               | --           |
| 10/28/91               | 7.37         | 1.56         | 5.81         | --            | --                          | --               | 2,800          | 990        | 5.8        | 4.8        | 19         | --            | --               | --           |
| 01/08/92               | 7.37         | 2.03         | 5.34         | --            | --                          | --               | 2,900          | 1,200      | 10         | 7.0        | 18         | --            | --               | --           |
| 01/13/92               | 7.37         | --           | --           | --            | --                          | 1,000            | --             | --         | --         | --         | --         | --            | --               | --           |
| 06/23/92               | 7.37         | 2.00         | 5.37         | --            | --                          | <50              | 1,600          | 380        | 6.5        | 3.0        | 12         | --            | --               | --           |
| 08/24/92               | 7.37         | 1.62         | 5.75         | --            | --                          | --               | --             | --         | --         | --         | --         | --            | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)     | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb)              | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|-----------------------------|--------------------|----------------|------------|------------|------------|------------|----------------------------|------------------|--------------|
| <b>MW-4 (cont)</b> |              |              |              |               |                             |                    |                |            |            |            |            |                            |                  |              |
| 09/21/92           | 7.37         | 1.42         | 5.95         | --            | --                          | <50                | 1,200          | 480        | 5.6        | 3.7        | 11         | --                         | --               | --           |
| 10/26/92           | 7.37         | 1.41         | 5.96         | --            | --                          | --                 | --             | --         | --         | --         | --         | --                         | --               | --           |
| 12/23/92           | 7.37         | --           | --           | --            | --                          | 1,800              | 1,500          | 700        | 3.6        | 3.2        | 11         | --                         | --               | --           |
| 01/08/93           | 7.37         | 2.73         | 4.64         | --            | --                          | --                 | --             | --         | --         | --         | --         | --                         | --               | --           |
| 03/25/93           | 7.37         | 2.95         | 4.42         | --            | --                          | <10                | 520            | 160        | 3.0        | 1.0        | 4.0        | --                         | --               | --           |
| 06/11/93           | 7.37         | 2.25         | 5.12         | --            | --                          | --                 | 1,200          | 430        | 5.0        | 6.0        | 11         | --                         | --               | 2,600        |
| 09/29/93           | 7.37         | 1.57         | 5.80         | --            | --                          | --                 | 1,300          | 210        | 8.0        | 2.0        | 14         | --                         | --               | --           |
| 12/20/93           | 7.37         | 2.27         | 5.10         | --            | --                          | 3,900              | 570            | 230        | 5.0        | 4.0        | 8.0        | --                         | --               | --           |
| 03/07/94           | 7.37         | 2.36         | 5.01         | --            | --                          | 2,600              | 2,200          | 290        | 18         | 2.5        | 11         | 22,000                     | --               | --           |
| 06/17/94           | 7.37         | 1.55         | 5.82         | --            | --                          | 2,800              | 2,100          | 480        | 11         | 4.3        | 9.5        | --                         | --               | --           |
| 09/12/94           | 7.37         | 1.73         | 5.64         | --            | --                          | 3,000              | 1,700          | 340        | 6.1        | 2.7        | 9.7        | 63,000                     | --               | --           |
| 11/30/94           | 7.37         | 1.79         | 5.58         | --            | --                          | INACCESSIBLE       |                | --         | --         | --         | --         | --                         | --               | --           |
| 03/24/95           | 7.37         | 2.42         | 4.95         | --            | --                          | 3,000 <sup>2</sup> | 1,500          | 280        | <5.0       | <5.0       | 6.9        | 12,000                     | --               | --           |
| 06/27/95           | 7.37         | -1.42        | 8.79         | --            | --                          | 3,100 <sup>2</sup> | <10,000        | 310        | <100       | <100       | <100       | 32,000                     | --               | --           |
| 09/28/95           | 7.37         | 1.52         | 5.85         | --            | --                          | 6,300 <sup>2</sup> | 330            | 64         | 1.1        | <0.5       | <0.5       | 630                        | --               | --           |
| 12/19/95           | 7.37         | 1.87         | 5.50         | --            | --                          | 3,400 <sup>2</sup> | 3,000          | 520        | <25        | <25        | <25        | 44,000                     | --               | --           |
| 02/28/96           | 7.37         | 2.27         | 5.10         | --            | --                          | 4,700 <sup>2</sup> | <10,000        | 230        | <100       | <100       | <100       | 32,000                     | --               | --           |
| 06/25/96           | 7.37         | 1.59         | 5.78         | --            | --                          | 3,100              | <10,000        | 160        | <100       | <100       | <100       | 31,000                     | --               | --           |
| 12/17/96           | 7.37         | 1.42         | 5.95         | --            | --                          | 3,600 <sup>3</sup> | <5,000         | 110        | <50        | <50        | <50        | 22,000                     | --               | --           |
| 03/31/97           | 7.37         | 1.75         | 5.62         | --            | --                          | 2,700 <sup>2</sup> | <2,500         | 130        | <25        | <25        | <25        | 16,000                     | --               | --           |
| 06/30/97           | 7.37         | 1.34         | 6.03         | --            | --                          | 2,700 <sup>2</sup> | <2,500         | 130        | <25        | <25        | <25        | 14,000                     | --               | --           |
| 09/12/97           | 7.37         | 1.68         | 5.69         | --            | --                          | 2,100 <sup>2</sup> | <5,000         | 63         | <50        | <50        | <50        | 15,000                     | --               | --           |
| 12/05/97           | 7.37         | 2.22         | 5.15         | --            | --                          | 2,600 <sup>2</sup> | 1,300          | 120        | <5.0       | <5.0       | 8.5        | 15,000                     | --               | --           |
| 02/16/98           | 7.37         | 1.11         | 6.26         | --            | --                          | 1,300 <sup>2</sup> | 1,200          | 57         | 4.5        | <2.5       | 7.0        | 12,000                     | --               | --           |
| 06/17/98           | 7.37         | 2.41         | 4.96         | --            | --                          | 530 <sup>2</sup>   | 5,300          | 390        | 290        | 28         | 150        | 17,000                     | --               | --           |
| 08/31/98           | 7.37         | 1.46         | 5.91         | --            | --                          | 2,400 <sup>2</sup> | <50            | 89         | <0.5       | <0.5       | <0.5       | 14,000/16,000 <sup>4</sup> | --               | --           |
| 12/28/98           | 7.37         | 1.96         | 5.41         | --            | --                          | 2,900 <sup>2</sup> | 1,000          | 52         | 5.6        | 4.6        | 9.1        | 8,400                      | --               | --           |
| 03/04/99           | 7.37         | 2.17         | 5.20         | --            | --                          | 4,490 <sup>2</sup> | <2,500         | 85.5       | 40.9       | <25        | <25        | 11,400                     | --               | --           |
| DESTROYED          |              |              |              |               |                             |                    |                |            |            |            |            |                            |                  |              |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msf) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)     | TPH-G<br>(ppb)    | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb)      | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------------|--------------|--------------|--------------|---------------|-----------------------------|--------------------|-------------------|------------|------------|------------|------------|--------------------|------------------|--------------|
| <b>MW-4A</b>           |              |              |              |               |                             |                    |                   |            |            |            |            |                    |                  |              |
| 04/19/99               | 7.69         | 2.78         | 4.91         | --            | --                          | 370 <sup>2</sup>   | <500              | <5.0       | <5.0       | <5.0       | <5.0       | 1,600              | --               | --           |
| 06/14/99               | 7.69         | 2.44         | 5.25         | --            | --                          | 2,500 <sup>2</sup> | 5,360             | 312        | <20        | 44         | <20        | 2,880              | --               | --           |
| 09/17/99               | 7.69         | 0.32         | 7.37         | --            | --                          | 1,430 <sup>2</sup> | 1,290             | 38.6       | <5.0       | 7.01       | <5.0       | 1,780              | --               | --           |
| 12/20/99               | 7.69         | 1.39         | 6.30         | --            | --                          | 7,480 <sup>2</sup> | 852               | 43.5       | 4.63       | 9.18       | 4.36       | 1,070              | --               | --           |
| 03/20/99               | 7.69         | 2.07         | 5.62         | --            | --                          | 1,280 <sup>2</sup> | 1,370             | 129        | 8.6        | 18.3       | 7.3        | 2,110              | --               | --           |
| 06/24/00               | 7.69         | 1.57         | 6.12         | 0.00          | 0.00                        | 1,190 <sup>9</sup> | 190 <sup>7</sup>  | 1.4        | 1.7        | 1.7        | 3.3        | 3,900 <sup>7</sup> | --               | --           |
| 09/07/00               | 7.69         | 1.43         | 6.26         | 0.00          | 0.00                        | 740 <sup>9</sup>   | 490 <sup>7</sup>  | 15         | 1.9        | 1.1        | 3.9        | 3,300              | --               | --           |
| 12/05/00               | 7.69         | 1.70         | 5.99         | 0.00          | 0.00                        | 560 <sup>12</sup>  | <500              | <5.00      | <5.00      | <5.00      | <5.00      | 3,380 <sup>8</sup> | --               | --           |
| 03/01/01               | 7.69         | 2.01         | 5.68         | 0.00          | 0.00                        | 600 <sup>9</sup>   | <1,000            | 10         | <10        | <10        | <10        | 4,600              | --               | --           |
| 06/04/01               | 7.69         | 1.09         | 6.60         | 0.00          | 0.00                        | 770 <sup>9</sup>   | 390 <sup>15</sup> | 8.4        | 3.8        | <2.5       | 3.0        | 3,800              | --               | --           |
| 09/10/01               | 7.69         | 1.12         | 6.57         | 0.00          | 0.00                        | 810                | <500              | 13         | <5.0       | 22         | <5.0       | 4,900              | --               | --           |
| 12/03/01               | 7.69         | 1.74         | 5.95         | 0.00          | 0.00                        | 2,100              | <250              | 1.5        | <1.0       | <1.0       | <3.0       | 3,800              | --               | --           |
| 03/04/02               | 7.69         | -1.19        | 8.88         | 0.00          | 0.00                        | 2,400              | 2,500             | 49         | 6.8        | 21         | 9.5        | 2,600              | --               | --           |
| 05/30/02               | 7.69         | 1.49         | 6.20         | 0.00          | 0.00                        | 2,600              | 430               | 4.6        | <1.0       | 2.0        | <3.0       | 3,700              | --               | --           |
| 09/03/02               | 7.69         | 1.20         | 6.49         | 0.00          | 0.00                        | 3,200              | <500              | 4.5        | <2.0       | 3.5        | 7.5        | 3,800              | --               | --           |
| 12/09/02               | 7.69         | 1.43         | 6.26         | 0.00          | 0.00                        | 1,600              | 440               | 1.1        | <0.50      | 0.71       | <5.0       | 4,000              | --               | --           |
| 03/10/03               | 7.69         | 1.86         | 5.83         | 0.00          | 0.00                        | 1,700              | 710               | 14         | 2.2        | 4.2        | <10        | 4,100              | --               | --           |
| 06/09/03 <sup>18</sup> | 7.69         | 1.25         | 6.44         | 0.00          | 0.00                        | 3,200              | 400               | 3          | <1         | 2          | <1         | 4,100              | --               | --           |
| 09/08/03 <sup>18</sup> | 7.69         | 1.83         | 5.86         | 0.00          | 0.00                        | 3,900              | 1,300             | 28         | 4          | 4          | <3         | 2,900              | <250             | --           |
| 12/08/03 <sup>18</sup> | 7.69         | 1.57         | 6.12         | 0.00          | 0.00                        | 2,500              | 360               | 3          | <3         | <3         | <3         | 3,200              | <250             | --           |
| 03/09/04 <sup>18</sup> | 7.69         | 2.32         | 5.37         | 0.00          | 0.00                        | 4,300              | 1,400             | 28         | 5          | 10         | 3          | 3,200              | <250             | --           |
| 06/17/04 <sup>18</sup> | 7.69         | 1.64         | 6.05         | 0.00          | 0.00                        | 7,900              | 6,000             | 140        | 20         | 52         | 16         | 1,500              | <50              | --           |
| <b>MW-5</b>            |              |              |              |               |                             |                    |                   |            |            |            |            |                    |                  |              |
| 06/23/92               | 14.14        | 1.90         | 12.24        | --            | --                          | <50                | <50               | <0.5       | <0.5       | <0.5       | <0.5       | --                 | --               | --           |
| 08/24/92               | 14.14        | 1.85         | 12.29        | --            | --                          | --                 | --                | --         | --         | --         | --         | --                 | --               | --           |
| 09/21/92               | 14.14        | 1.68         | 12.46        | --            | --                          | 60                 | <50               | <0.5       | <0.5       | <0.5       | <0.5       | --                 | --               | --           |
| 10/26/92               | 14.14        | 1.62         | 12.52        | --            | --                          | --                 | --                | --         | --         | --         | --         | --                 | --               | --           |
| 12/23/92               | 14.14        | 3.02         | 11.12        | --            | --                          | --                 | --                | --         | --         | --         | --         | --                 | --               | --           |
| 01/08/93               | 14.14        | --           | --           | --            | --                          | --                 | --                | --         | --         | --         | --         | --                 | --               | --           |
| 03/25/93               | 14.14        | 4.40         | 9.74         | --            | --                          | <10                | <50               | <0.5       | <0.5       | <0.5       | 0.9        | --                 | --               | --           |

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Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)        | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------|--------------|--------------|--------------|---------------|-----------------------------|-----------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| MW-5 (cont)      |              |              |              |               |                             |                       |                |            |            |            |            |               |                  |              |
| 06/11/93         | 14.14        | 3.70         | 10.44        | --            | --                          | --                    | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | 770          |
| 09/29/93         | 14.14        | 2.22         | 11.92        | --            | --                          | <10                   | <50            | <0.5       | 0.6        | <0.5       | 0.6        | --            | --               | --           |
| 12/20/93         | 14.14        | --           | --           | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/07/94         | 14.14        | 2.80         | 11.34        | --            | --                          | <10                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/17/94         | 14.14        | 2.87         | 11.27        | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/12/94         | 14.14        | 1.28         | 12.86        | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <5.0          | --               | --           |
| 11/30/94         | 14.14        | 2.23         | 11.91        | --            | --                          | 99 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 03/24/95         | 14.14        | 4.38         | 9.76         | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/27/95         | 14.14        | 2.74         | 11.40        | --            | --                          | 55 <sup>3</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/28/95         | 14.14        | 2.24         | 11.90        | --            | --                          | 300 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 12/19/95         | 14.14        | 1.56         | 12.58        | --            | --                          | 53 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 3.1           | --               | --           |
| 02/28/96         | 14.14        | 2.44         | 11.70        | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/25/96         | 14.14        | 2.71         | 11.43        | --            | --                          | 120 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 36            | --               | --           |
| 12/17/96         | 14.14        | 2.74         | 11.40        | --            | --                          | 89 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 03/31/97         | 14.14        | 2.04         | 12.10        | --            | --                          | 150 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/30/97         | 14.14        | 1.36         | 12.78        | --            | --                          | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| 09/12/97         | 14.14        | 0.46         | 13.68        | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 12/05/97         | 14.14        | 1.11         | 13.03        | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 02/16/98         | 14.14        | 4.17         | 9.97         | --            | --                          | 62 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/17/98         | 14.14        | 2.29         | 11.85        | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 08/31/98         | 14.14        | 1.32         | 12.82        | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 12/28/98         | 14.14        | 0.71         | 13.43        | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/04/99         | 14.14        | 0.39         | 13.75        | --            | --                          | 70.5                  | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 3.34          | --               | --           |
| 06/14/99         | 14.14        | 0.04         | 14.10        | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/17/99         | 14.14        | -0.04        | 14.18        | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 12/20/99         | 14.14        | 0.44         | 13.70        | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/20/00         | 14.14        | 1.50         | 12.64        | --            | --                          | 115 <sup>3</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/24/00         | 14.14        | 1.10         | 13.04        | 0.00          | 0.00                        | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/07/00         | 14.14        | 0.97         | 13.17        | 0.00          | 0.00                        | <50                   | <50            | <0.50      | <0.50      | <0.50      | <0.50      | 5.0           | --               | --           |
| 12/05/00         | 14.14        | 2.86         | 11.28        | 0.00          | 0.00                        | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/01/01         | 14.14        | 3.84         | 10.30        | 0.00          | 0.00                        | <50                   | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |
| 06/04/01         | 14.14        | 2.83         | 11.31        | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |

**Table 1**  
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Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msl)                        | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)        | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------------|--------------|-------------------------------------|--------------|---------------|-----------------------------|-----------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>MW-5 (cont)</b>     |              |                                     |              |               |                             |                       |                |            |            |            |            |               |                  |              |
| 09/10/01               | 14.14        | 1.98                                | 12.16        | 0.00          | 0.00                        | <50                   | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |
| 12/03/01               | 14.14        | 5.52                                | 8.62         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| 03/04/02               | 14.14        | 4.29                                | 9.85         | 0.00          | 0.00                        | 78                    | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 05/30/02               | 14.14        | 3.31                                | 10.83        | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| 09/03/02               | 14.14        | INACCESSIBLE - CAR PARKED OVER WELL |              |               | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/09/02               | 14.14        | 2.78                                | 11.36        | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| 03/10/03               | 14.14        | 2.95                                | 11.19        | 0.00          | 0.00                        | 100                   | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 8.2           | --               | --           |
| 06/09/03               | 14.14        | 1.57                                | 12.57        | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| 09/08/03 <sup>18</sup> | 14.14        | 2.13                                | 12.01        | 0.00          | 0.00                        | 65                    | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 8             | <50              | --           |
| 12/08/03               | 14.14        | 3.01                                | 11.13        | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| 03/09/04 <sup>18</sup> | 14.14        | 3.56                                | 10.58        | 0.00          | 0.00                        | 110                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 4             | <50              | --           |
| 06/17/04               | 14.14        | 2.04                                | 12.10        | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| <b>MW-6</b>            |              |                                     |              |               |                             |                       |                |            |            |            |            |               |                  |              |
| 06/23/92               | 4.46         | -0.68                               | 5.14         | --            | --                          | 120                   | <50            | 4.3        | <0.5       | 0.8        | 0.9        | --            | --               | --           |
| 08/24/92               | 4.46         | -0.49                               | 4.95         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/21/92               | 4.46         | -0.44                               | 4.90         | --            | --                          | <50                   | <250           | <2.5       | <2.5       | <2.5       | <2.5       | --            | --               | --           |
| 10/26/92               | 4.46         | -1.06                               | 5.52         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/23/92               | 4.46         | -0.94                               | 5.40         | --            | --                          | 81                    | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 01/08/93               | 4.46         | --                                  | --           | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/25/93               | 4.46         | -1.64                               | 6.10         | --            | --                          | <10                   | <50            | <0.5       | <0.5       | <0.5       | 0.7        | --            | --               | --           |
| 06/11/93               | 4.46         | -2.10                               | 6.56         | --            | --                          | --                    | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | 15,000       |
| 09/29/93               | 4.46         | -0.71                               | 5.17         | --            | --                          | <10                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 12/20/93               | 4.46         | -1.47                               | 5.93         | --            | --                          | <10                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 03/07/94               | 4.46         | -0.81                               | 5.27         | --            | --                          | <10                   | 54             | <0.5       | <0.5       | <0.5       | 0.6        | --            | --               | --           |
| 06/17/94               | 4.46         | --                                  | --           | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/12/94               | 4.46         | -0.64                               | 5.10         | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <50           | --               | --           |
| 11/30/94               | 4.46         | -1.12                               | 5.58         | --            | --                          | 800 <sup>1</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 03/24/95               | 4.46         | -1.87                               | 6.33         | --            | --                          | 490 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/27/95               | 4.46         | -3.74                               | 8.20         | --            | --                          | 300 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/28/95               | 4.46         | -0.19                               | 4.65         | --            | --                          | 1,200 <sup>2</sup>    | 120            | 1.1        | <0.5       | <0.5       | <0.5       | --            | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msf)                        | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)        | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |    |
|------------------------|--------------|-------------------------------------|--------------|---------------|-----------------------------|-----------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|----|
| <b>MW-6 (cont)</b>     |              |                                     |              |               |                             |                       |                |            |            |            |            |               |                  |              |    |
| 12/19/95               | 4.46         | -1.58                               | 6.04         | --            | --                          | 820 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 02/28/96               | 4.46         | -1.54                               | 6.00         | --            | --                          | 270 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 06/25/96               | 4.46         | -1.71                               | 6.17         | --            | --                          | 750 <sup>2</sup>      | 97             | <0.5       | <0.5       | <0.5       | 0.71       | <2.5          | --               | --           |    |
| 12/17/96               | 4.46         | -1.67                               | 6.13         | --            | --                          | 540 <sup>2</sup>      | 65             | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 03/31/97               | 4.46         | -2.23                               | 6.69         | --            | --                          | 780 <sup>2</sup>      | 65             | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 06/30/97               | 4.46         | -2.62                               | 7.08         | --            | --                          | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |    |
| 09/12/97               | 4.46         | -0.95                               | 5.41         | --            | --                          | 270 <sup>2</sup>      | 65             | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 12/05/97               | 4.46         | -1.96                               | 6.42         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |    |
| 02/16/98               | 4.46         | -0.30                               | 4.76         | --            | --                          | 330 <sup>2</sup>      | 140            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 06/17/98               | 4.46         | -1.54                               | 6.00         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |    |
| 08/31/98               | 4.46         | -0.64                               | 5.10         | --            | --                          | 270 <sup>1</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 12/28/98               | 4.46         | -2.04                               | 6.50         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |    |
| 03/04/99               | 4.46         | -1.35                               | 5.81         | --            | --                          | 638 <sup>1</sup>      | 95.5           | <0.5       | <0.5       | <0.5       | <0.5       | <2.0          | --               | --           |    |
| 06/14/99               | 4.46         | -0.97                               | 5.43         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |    |
| 09/17/99               | 4.46         | -1.74                               | 6.20         | --            | --                          | 258 <sup>1</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 12/20/99               | 4.46         | -2.31                               | 6.77         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |    |
| 03/20/00               | 4.46         | -2.12                               | 6.58         | --            | --                          | 257 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |    |
| 06/24/00               | 4.46         | -2.52                               | 6.98         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |    |
| 09/07/00               | 4.46         | -0.46                               | 4.92         | 0.00          | 0.00                        | 98 <sup>11</sup>      | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |    |
| 12/05/00               | 4.46         | -0.64                               | 5.10         | 0.00          | 0.00                        | --                    | --             | --         | --         | --         | --         | --            | --               | --           |    |
| 03/01/01               | 4.46         | -0.43                               | 4.89         | 0.00          | 0.00                        | 190 <sup>9</sup>      | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |    |
| 06/04/01               | 4.46         | -0.75                               | 5.21         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |    |
| 09/10/01               | 4.46         | -0.65                               | 5.11         | 0.00          | 0.00                        | 140 <sup>17</sup>     | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |    |
| 12/03/01               | 4.46         | -0.57                               | 5.03         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |    |
| 03/04/02               | 4.46         | INACCESSIBLE - CAR PARKED OVER WELL |              |               |                             |                       | --             | --         | --         | --         | --         | --            | --               | --           | -- |
| 05/30/02               | 4.46         | -1.65                               | 6.11         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |    |
| 09/03/02               | 4.46         | -0.82                               | 5.28         | 0.00          | 0.00                        | 340                   | <500           | <2.0       | <2.0       | <2.0       | <6.0       | <3.0          | --               | --           |    |
| 12/09/02               | 4.46         | -0.66                               | 5.12         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |    |
| 03/10/03               | 4.46         | -1.80                               | 6.26         | 0.00          | 0.00                        | 420                   | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |    |
| 06/09/03               | 4.46         | -1.45                               | 5.91         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |    |
| 09/08/03 <sup>18</sup> | 4.46         | -0.19                               | 4.65         | 0.00          | 0.00                        | 230                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | <50              | --           |    |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)        | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------------|--------------|--------------|--------------|---------------|-----------------------------|-----------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>MW-6 (cont)</b>     |              |              |              |               |                             |                       |                |            |            |            |            |               |                  |              |
| 12/08/03               | 4.46         | -0.78        | 5.24         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| 03/09/04 <sup>18</sup> | 4.46         | -1.39        | 5.85         | 0.00          | 0.00                        | 1,500                 | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | <50              | --           |
| 06/17/04               | 4.46         | -1.62        | 6.08         | 0.00          | 0.00                        | SAMPLED SEMI-ANNUALLY |                |            | --         | --         | --         | --            | --               | --           |
| <b>MW-7</b>            |              |              |              |               |                             |                       |                |            |            |            |            |               |                  |              |
| 08/24/92               | 5.26         | -0.29        | 5.55         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/21/92               | 5.26         | -0.39        | 5.65         | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 10/26/92               | 5.26         | -0.25        | 5.51         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/23/92               | 5.26         | 1.31         | 3.95         | --            | --                          | 60                    | <50            | 2.9        | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 01/08/93               | 5.26         | --           | --           | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/25/93               | 5.26         | 2.76         | 2.50         | --            | --                          | <10                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/11/93               | 5.26         | 1.80         | 3.46         | --            | --                          | --                    | <50            | 0.6        | <0.5       | <0.5       | <0.5       | --            | --               | 2,200        |
| 09/29/93               | 5.26         | -0.26        | 5.52         | --            | --                          | <10                   | <50            | 2.0        | 1.0        | 1.0        | 7.0        | --            | --               | --           |
| 12/20/93               | 5.26         | 0.85         | 4.41         | --            | --                          | <10                   | <50            | 2.0        | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 03/07/94               | 5.26         | 2.64         | 2.62         | --            | --                          | <10                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/17/94               | 5.26         | 1.99         | 3.27         | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/12/94               | 5.26         | 1.15         | 4.11         | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <5.0          | --               | --           |
| 11/30/94               | 5.26         | 2.50         | 2.76         | --            | --                          | 92 <sup>1</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 03/24/95               | 5.26         | 3.06         | 2.20         | --            | --                          | <50                   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/27/95               | 5.26         | 1.36         | 3.90         | --            | --                          | 69 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/28/95               | 5.26         | 0.41         | 4.85         | --            | --                          | 84 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 12/19/95               | 5.26         | 2.24         | 3.02         | --            | --                          | 84 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 02/28/96               | 5.26         | 3.83         | 1.43         | --            | --                          | 99 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/25/96               | 5.26         | 0.97         | 4.29         | --            | --                          | 110 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 12/17/96               | 5.26         | 3.08         | 2.18         | --            | --                          | 54 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 03/31/97               | 5.26         | 2.32         | 2.94         | --            | --                          | 100 <sup>2</sup>      | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/30/97               | 5.26         | 1.68         | 3.58         | --            | --                          | SAMPLED ANNUALLY      |                |            | --         | --         | --         | --            | --               | --           |
| 09/12/97               | 5.26         | 1.85         | 3.41         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/05/97               | 5.26         | 3.37         | 1.89         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 02/16/98               | 5.26         | 3.43         | 1.83         | --            | --                          | 77 <sup>2</sup>       | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/17/98               | 5.26         | 3.32         | 1.94         | --            | --                          | --                    | --             | --         | --         | --         | --         | --            | --               | --           |



**Table 1**  
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Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msl)                           | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)   | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------------|--------------|--|--------------|---------------|-----------------------------|------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>MW-7 (cont)</b>     |              |  |              |               |                             |                  |                |            |            |            |            |               |                  |              |
| 08/31/98               | 5.26         | 1.07                                   | 4.19         | --            | --                          | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/28/98               | 5.26         | 0.79                                   | 4.47         | --            | --                          | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/04/99               | 5.26         | 3.51                                   | 1.75         | --            | --                          | 73.4             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.0          | --               | --           |
| 06/14/99               | 5.26         | 3.64                                   | 1.62         | --            | --                          | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/17/99               | 5.26         | 0.42                                   | 4.84         | --            | --                          | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/20/99               | 5.26         | 0.45                                   | 4.81         | --            | --                          | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/20/00               | 5.26         | 3.41                                   | 1.85         | --            | --                          | <50              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/24/00               | 5.26         | 3.05                                   | 2.21         | 0.00          | 0.00                        | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/07/00               | 5.26         | 1.61                                   | 3.65         | 0.00          | 0.00                        | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/05/00               | 5.26         | 2.31                                   | 2.95         | 0.00          | 0.00                        | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/01/01               | 5.26         | 4.61                                   | 0.65         | 0.00          | 0.00                        | <50              | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |
| 06/04/01               | 5.26         | 3.74                                   | 1.52         | 0.00          | 0.00                        | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/10/01               | 5.26         | 1.08                                   | 4.18         | 0.00          | 0.00                        | SAMPLED ANNUALLY |                | --         | --         | --         | --         | --            | --               | --           |
| 12/03/01               | 5.26         | 4.20                                   | 1.06         | 0.00          | 0.00                        | SAMPLED ANNUALLY |                | --         | --         | --         | --         | --            | --               | --           |
| 03/04/02               | 5.26         | 3.76                                   | 1.50         | 0.00          | 0.00                        | <50              | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 05/30/02               | 5.26         | 2.51                                   | 2.75         | 0.00          | 0.00                        | SAMPLED ANNUALLY |                | --         | --         | --         | --         | --            | --               | --           |
| 09/03/02               | 5.26         | 2.24                                   | 3.02         | 0.00          | 0.00                        | SAMPLED ANNUALLY |                | --         | --         | --         | --         | --            | --               | --           |
| 12/09/02               | 5.26         | 2.41                                   | 2.85         | 0.00          | 0.00                        | SAMPLED ANNUALLY |                | --         | --         | --         | --         | --            | --               | --           |
| 03/10/03               | 5.26         | 3.32                                   | 1.94         | 0.00          | 0.00                        | 85               | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 06/09/03               | 5.26         | 2.72                                   | 2.54         | 0.00          | 0.00                        | SAMPLED ANNUALLY |                | --         | --         | --         | --         | --            | --               | --           |
| 09/08/03               | 5.26         | 2.66                                   | 2.60         | 0.00          | 0.00                        | SAMPLED ANNUALLY |                | --         | --         | --         | --         | --            | --               | --           |
| 12/08/03               | 5.26         | 2.81                                   | 2.45         | 0.00          | 0.00                        | SAMPLED ANNUALLY |                | --         | --         | --         | --         | --            | --               | --           |
| 03/09/04 <sup>18</sup> | 5.26         | 4.53                                   | 0.73         | 0.00          | 0.00                        | 230              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | <50              | --           |
| 06/17/04               | 5.26         | <b>INACCESSIBLE - DUE TO ROAD WORK</b> |              |               |                             | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| <b>MW-8</b>            |              |  |              |               |                             |                  |                |            |            |            |            |               |                  |              |
| 06/23/92               | 8.94         | -15.20                                 | 24.14        | --            | --                          | <50              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 08/24/92               | 8.94         | 0.34                                   | 8.60         | --            | --                          | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/21/92               | 8.94         | 0.55                                   | 8.39         | --            | --                          | <50              | 94             | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 10/26/92               | 8.94         | -0.18                                  | 9.12         | --            | --                          | --               | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/23/92               | 8.94         | 0.83                                   | 8.11         | --            | --                          | 79               | <50            | 0.7        | 5.0        | 0.7        | 2.9        | --            | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb)    | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------|--------------|--------------|--------------|---------------|-----------------------------|-------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| MW-8 (cont)      |              |              |              |               |                             |                   |                |            |            |            |            |               |                  |              |
| 01/08/93         | 8.94         | --           | --           | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/25/93         | 8.94         | --           | --           | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | 3,500        |
| 06/11/93         | 8.94         | 0.55         | 8.39         | --            | --                          | --                | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/29/93         | 8.94         | 0.69         | 8.25         | --            | --                          | <10               | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 12/20/93         | 8.94         | 0.48         | 8.46         | --            | --                          | <10               | <50            | <0.5       | 0.6        | <0.5       | 1.0        | --            | --               | --           |
| 03/07/94         | 8.94         | 0.28         | 8.66         | --            | --                          | <10               | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/17/94         | 8.94         | 0.12         | 8.82         | --            | --                          | <50               | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/12/94         | 8.94         | 0.11         | 8.83         | --            | --                          | <50               | <50            | <0.5       | <0.5       | <0.5       | 0.8        | <5.0          | --               | --           |
| 11/30/94         | 8.94         | 0.31         | 8.63         | --            | --                          | 120 <sup>1</sup>  | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 03/24/95         | 8.94         | 0.43         | 8.51         | --            | --                          | 110 <sup>2</sup>  | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/27/95         | 8.94         | -0.03        | 8.97         | --            | --                          | 67 <sup>2</sup>   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/28/95         | 8.94         | 0.04         | 8.90         | --            | --                          | 91 <sup>2</sup>   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 12/19/95         | 8.94         | 0.54         | 8.40         | --            | --                          | 76 <sup>2</sup>   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 02/28/96         | 8.94         | 0.50         | 8.44         | --            | --                          | <50               | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/25/96         | 8.94         | 0.05         | 8.89         | --            | --                          | 80 <sup>2</sup>   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 12/17/96         | 8.94         | 0.49         | 8.45         | --            | --                          | 79 <sup>2</sup>   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 03/31/97         | 8.94         | 0.18         | 8.76         | --            | --                          | 72 <sup>2</sup>   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 3.6           | --               | --           |
| 06/30/97         | 8.94         | -0.18        | 9.12         | --            | --                          | SAMPLED ANNUALLY  |                | --         | --         | --         | --         | --            | --               | --           |
| 09/12/97         | 8.94         | 0.13         | 8.81         | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/05/97         | 8.94         | 0.59         | 8.35         | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 02/16/98         | 8.94         | 1.00         | 7.94         | --            | --                          | 68 <sup>2</sup>   | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 4.3           | --               | --           |
| 06/17/98         | 8.94         | 0.51         | 8.43         | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 08/31/98         | 8.94         | 0.06         | 8.88         | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/28/98         | 8.94         | 0.64         | 8.30         | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/04/99         | 8.94         | 0.29         | 8.65         | --            | --                          | 106               | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 3.83          | --               | --           |
| 06/14/99         | 8.94         | 0.52         | 8.42         | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/17/99         | 8.94         | -0.93        | 9.87         | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/20/99         | 8.94         | 0.54         | 8.40         | --            | --                          | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/20/00         | 8.94         | 0.82         | 8.12         | --            | --                          | 82.2 <sup>6</sup> | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 3.46          | --               | --           |
| 06/24/00         | 8.94         | 0.31         | 8.63         | 0.00          | 0.00                        | SAMPLED ANNUALLY  |                | --         | --         | --         | --         | --            | --               | --           |
| 09/07/00         | 8.94         | 0.26         | 8.68         | 0.00          | 0.00                        | --                | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/05/00         | 8.94         | 0.81         | 8.13         | 0.00          | 0.00                        | --                | --             | --         | --         | --         | --         | --            | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msl)                        | DTW<br>(ft.) | SPHT<br>(ft.) | SPH                  |                     | TPH-D<br>(ppb)     | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------------|--------------|-------------------------------------|--------------|---------------|----------------------|---------------------|--------------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
|                        |              |                                     |              |               | REMOVED<br>(gallons) |                     |                    |                |            |            |            |            |               |                  |              |
| <b>MW-8 (cont)</b>     |              |                                     |              |               |                      |                     |                    |                |            |            |            |            |               |                  |              |
| 03/01/01               | 8.94         | 1.04                                | 7.90         | 0.00          | 0.00                 | 51 <sup>11</sup>    | <50                | <0.50          | <0.50      | <0.50      | <0.50      | <2.5       | --            | --               | --           |
| 06/04/01               | 8.94         | -0.27                               | 9.21         | 0.00          | 0.00                 | --                  | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/10/01               | 8.94         | 0.26                                | 8.68         | 0.00          | 0.00                 | SAMPLED ANNUALLY    |                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/03/01               | 8.94         | 1.12                                | 7.82         | 0.00          | 0.00                 | SAMPLED ANNUALLY    |                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/04/02               | 8.94         | 1.26                                | 7.68         | 0.00          | 0.00                 | 82                  | <50                | <0.50          | <0.50      | <0.50      | <1.5       | <2.5       | --            | --               | --           |
| 05/30/02               | 8.94         | INACCESSIBLE - CAR PARKED OVER WELL |              |               |                      | --                  | --                 | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/03/02               | 8.94         | -0.21                               | 9.15         | 0.00          | 0.00                 | SAMPLED ANNUALLY    |                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/09/02               | 8.94         | 0.21                                | 8.73         | 0.00          | 0.00                 | SAMPLED ANNUALLY    |                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/10/03               | 8.94         | 0.55                                | 8.39         | 0.00          | 0.00                 | 110                 | <50                | <0.50          | <0.50      | <0.50      | <1.5       | <2.5       | --            | --               | --           |
| 06/09/03               | 8.94         | -0.03                               | 8.97         | 0.00          | 0.00                 | SAMPLED ANNUALLY    |                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/08/03               | 8.94         | 0.52                                | 8.42         | 0.00          | 0.00                 | SAMPLED ANNUALLY    |                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/08/03               | 8.94         | 0.77                                | 8.17         | 0.00          | 0.00                 | SAMPLED ANNUALLY    |                    | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/09/04 <sup>18</sup> | 8.94         | 1.03                                | 7.91         | 0.00          | 0.00                 | 300                 | <50                | <0.5           | <0.5       | <0.5       | <0.5       | 3          | <50           | --               | --           |
| 06/17/04               | 8.94         | 0.01                                | 8.93         | 0.00          | 0.00                 | SAMPLED ANNUALLY    |                    | --             | --         | --         | --         | --         | --            | --               | --           |
| <b>MW-9</b>            |              |                                     |              |               |                      |                     |                    |                |            |            |            |            |               |                  |              |
| 04/19/99               | 5.87         | 2.71                                | 3.16         | --            | --                   | 2,600 <sup>2</sup>  | 3,900 <sup>6</sup> | 14             | 6.9        | 14         | 24         | 140        | --            | --               | --           |
| 06/14/99               | 5.87         | 1.06                                | 4.81         | --            | --                   | 2,800 <sup>2</sup>  | 2,880              | 12.6           | <10        | <10        | <10        | 138        | --            | --               | --           |
| 09/17/99               | 5.87         | 1.02                                | 4.85         | --            | --                   | 1,770 <sup>2</sup>  | 3,370              | 33.1           | 14.4       | <5.0       | <5.0       | 202        | --            | --               | --           |
| 12/20/99               | 5.87         | 1.87                                | 4.00         | --            | --                   | 996 <sup>2</sup>    | 3,970              | 42.2           | 13.5       | <10        | <10        | 311        | --            | --               | --           |
| 03/20/00               | 5.87         | 2.87                                | 3.00         | --            | --                   | 2,710 <sup>2</sup>  | 5,920              | 22.1           | <5.0       | 6.8        | <5.0       | 106.0      | --            | --               | --           |
| 06/24/00               | 5.87         | 1.96                                | 3.91         | 0.00          | 0.00                 | 1,940 <sup>9</sup>  | 2,500 <sup>7</sup> | 12             | <10        | 11         | <10        | 120        | --            | --               | --           |
| 09/07/00               | 5.87         | 1.59                                | 4.28         | 0.00          | 0.00                 | 1,500 <sup>9</sup>  | 3,700 <sup>7</sup> | <25            | <25        | <25        | <25        | 330        | --            | --               | --           |
| 12/05/00               | 5.87         | 2.07                                | 3.80         | 0.00          | 0.00                 | 1,300 <sup>12</sup> | 3,470 <sup>2</sup> | <5.00          | 7.64       | <5.00      | <5.00      | 177        | --            | --               | --           |
| 03/01/01               | 5.87         | 3.19                                | 2.68         | 0.00          | 0.00                 | 960 <sup>9</sup>    | 2,400 <sup>7</sup> | 11             | 18.0       | <10        | <10        | 250        | --            | --               | --           |
| 06/04/01               | 5.87         | 1.96                                | 3.91         | 0.00          | 0.00                 | 1,200 <sup>9</sup>  | 3,200 <sup>7</sup> | 45             | 17         | 6.1        | 8.9        | 300        | --            | --               | --           |
| 09/10/01               | 5.87         | 1.18                                | 4.69         | 0.00          | 0.00                 | 2,000 <sup>17</sup> | 2,300              | 5.7            | 7.3        | 10         | <5.0       | 200        | --            | --               | --           |
| 12/03/01               | 5.87         | 2.88                                | 2.99         | 0.00          | 0.00                 | 2,600               | 3,600              | 14             | 5.4        | 8.2        | 8.5        | 210        | --            | --               | --           |
| 03/04/02               | 5.87         | 2.32                                | 3.55         | 0.00          | 0.00                 | 3,700               | 4,400              | 17             | <5.0       | 9.2        | 6.4        | 79         | --            | --               | --           |
| 05/30/02               | 5.87         | 2.22                                | 3.65         | 0.00          | 0.00                 | 4,600               | 4,300              | 15             | 3.7        | 5.8        | 6.1        | 110        | --            | --               | --           |
| 09/03/02               | 5.87         | 1.31                                | 4.56         | 0.00          | 0.00                 | 2,500               | 3,200              | 5.8            | 2.6        | 3.5        | 5.6        | 84         | --            | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-0121  
 3026 Lakeshore Avenue  
 Oakland, California

| WELL ID/<br>DATE       | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|------------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>MW-9 (cont)</b>     |              |              |              |               |                             |                |                |            |            |            |            |               |                  |              |
| 12/09/02               | 5.87         | 1.51         | 4.36         | 0.00          | 0.00                        | 2,600          | 3,000          | 6.3        | 3.2        | 3.9        | 6.1        | 110           | --               | --           |
| 03/10/03               | 5.87         | 2.26         | 3.61         | 0.00          | 0.00                        | 1,500          | 3,300          | 11         | 3.7        | 5.4        | <7.5       | 150           | --               | --           |
| 06/09/03 <sup>18</sup> | 5.87         | 2.29         | 3.58         | 0.00          | 0.00                        | 2,700          | 3,500          | 2          | 2          | 3          | 2          | 46            | --               | --           |
| 09/08/03 <sup>18</sup> | 5.87         | 1.43         | 4.44         | 0.00          | 0.00                        | 3,000          | 3,000          | 3          | 2          | 2          | 3          | 120           | <50              | --           |
| 12/08/03 <sup>18</sup> | 5.87         | 2.21         | 3.66         | 0.00          | 0.00                        | 2,500          | 2,400          | 3          | 3          | 3          | 4          | 560           | <50              | --           |
| 03/09/04 <sup>18</sup> | 5.87         | 2.69         | 3.18         | 0.00          | 0.00                        | 2,500          | 3,700          | 2          | 1          | 2          | 2          | 120           | <50              | --           |
| 06/17/04 <sup>18</sup> | 5.87         | 1.05         | 4.82         | 0.00          | 0.00                        | 2,700          | 3,100          | 2          | 1          | 2          | 3          | 96            | <50              | --           |
| <b>TRIP BLANK</b>      |              |              |              |               |                             |                |                |            |            |            |            |               |                  |              |
| 08/24/92               | --           | --           | --           | --            | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 09/21/92               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 10/26/92               | --           | --           | --           | --            | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 12/23/92               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 01/08/93               | --           | --           | --           | --            | --                          | --             | --             | --         | --         | --         | --         | --            | --               | --           |
| 03/25/93               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/11/93               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/29/93               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 12/20/93               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 03/07/94               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/17/94               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/12/94               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | 1.0        | --            | --               | --           |
| 11/30/94               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 03/24/95               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/27/95               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 09/28/95               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 12/19/95               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 02/28/96               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 06/25/96               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --               | --           |
| 12/17/96               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 03/31/97               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/30/97               | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-0121  
 3026 Lakeshore Avenue  
 Oakland, California

| WELL ID/<br>DATE         | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | SPH<br>REMOVED<br>(gallons) | TPH-D<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | ETHANOL<br>(ppb) | TDS<br>(ppb) |
|--------------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|----------------|------------|------------|------------|------------|---------------|------------------|--------------|
| <b>TRIP BLANK (cont)</b> |              |              |              |               |                             |                |                |            |            |            |            |               |                  |              |
| 09/12/97                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 12/05/97                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 02/16/98                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/17/98                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 08/31/98                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 12/28/98                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 03/04/99                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.0          | --               | --           |
| 06/14/99                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 09/17/99                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 12/20/99                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 03/20/00                 | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --               | --           |
| 06/24/00                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |
| 09/07/00                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |
| 12/05/00                 | --           | --           | --           | --            | --                          | --             | <50            | <0.500     | <0.500     | <0.500     | <0.500     | <2.5          | --               | --           |
| 03/01/01                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |
| 06/04/01                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |
| 09/10/01                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --               | --           |
| <b>QA</b>                |              |              |              |               |                             |                |                |            |            |            |            |               |                  |              |
| 12/03/01                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 03/04/02                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 05/30/02                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 09/03/02                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 12/09/02                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 03/10/03                 | --           | --           | --           | --            | --                          | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --               | --           |
| 06/09/03 <sup>18</sup>   | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | --               | --           |
| 09/08/03 <sup>18</sup>   | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | --               | --           |
| 12/08/03 <sup>18</sup>   | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | --               | --           |
| 03/09/04 <sup>18</sup>   | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | --               | --           |
| 06/17/04 <sup>18</sup>   | --           | --           | --           | --            | --                          | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | --               | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to June 24, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

|   |  |                                   |
|---|--|-----------------------------------|
| TOC = Top of Casing                         | TPH-D = Total Petroleum Hydrocarbons as Diesel   | TDS = Total Dissolved Solids      |
| (ft.) = Feet                                | TPH-G = Total Petroleum Hydrocarbons as Gasoline | (ppb) = Parts per billion         |
| GWE = Groundwater Elevation                 | B = Benzene                                      | -- = Not Measured/Not Analyzed    |
| (msl) = Mean sea level                      | T = Toluene                                      | QA = Quality Assurance/Trip Blank |
| DTW = Depth to Water                        | E = Ethylbenzene                                 |                                   |
| SPHT = Separate Phase Hydrocarbon Thickness | X = Xylenes                                      |                                   |

- 1 Chromatogram pattern indicates a non-diesel mix.
- 2 Chromatogram pattern indicates an unidentified hydrocarbon.
- 3 Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.
- 4 Confirmation run.
- 5 ORC present in well.
- 6 Laboratory report indicates gasoline and unidentified hydrocarbons >10.
- 7 Laboratory report indicates gasoline C6-C12.
- 8 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
- 9 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 10 Laboratory report indicates unidentified hydrocarbons C10-C24.
- 11 Laboratory report indicates unidentified hydrocarbons >C16.
- 12 Laboratory report indicates unidentified hydrocarbons C9-C40.
- 13 Laboratory report indicates diesel C9-C24 + unidentified hydrocarbons <C16.
- 14 Laboratory report indicates weathered gasoline C6-C12.
- 15 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 16 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 17 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier hydrocarbon mix.
- 18 BTEX and MTBE by EPA Method 8260.
- 19 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- 20 ORC removed from well.

**Table 2**  
**Dissolved Oxygen Concentrations.**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| WELL ID | DATE                  | Before Purging<br>(mg/L) | After Purging<br>(mg/L) |
|---------|-----------------------|--------------------------|-------------------------|
| MW-1    | 06/24/00 <sup>1</sup> | 5.30                     | --                      |
|         | 09/07/00 <sup>1</sup> | 4.02                     | --                      |
|         | 12/05/00 <sup>1</sup> | 3.86                     | --                      |
|         | 03/01/01 <sup>1</sup> | 3.04                     | --                      |
|         | 06/04/01 <sup>1</sup> | 2.70                     | --                      |
|         | 09/10/01 <sup>1</sup> | 2.40                     | --                      |
|         | 12/03/01 <sup>1</sup> | 0.70                     | --                      |
|         | 03/04/02 <sup>1</sup> | 1.10                     | --                      |
|         | 05/30/02 <sup>1</sup> | 0.90                     | --                      |
|         | 09/03/02 <sup>1</sup> | 1.20                     | --                      |
|         | 12/09/02 <sup>1</sup> | 0.90                     | --                      |
|         | 03/10/03 <sup>1</sup> | 1.00                     | --                      |
|         | 06/09/03 <sup>1</sup> | 0.80                     | --                      |
|         | 09/08/03 <sup>1</sup> | 0.60                     | --                      |
|         | 12/08/03 <sup>1</sup> | 2.00                     | --                      |

**EXPLANATIONS:**

(mg/L) = Milligrams per liter

-- = Not Measured

<sup>1</sup> ORC present in well.

**Table 3**  
**Groundwater Analytical Results**  
Chevron Service Station #9-0121  
3026 Lakeshore Avenue  
Oakland, California

| <b>WELL ID/<br/>DATE</b> | <b>Total Alkalinity<br/>(ppb)</b> | <b>Ferrous Iron<br/>(ppb)</b> | <b>Sulfate<br/>(ppb)</b> | <b>Nitrate<br/>(ppb)</b> |
|--------------------------|-----------------------------------|-------------------------------|--------------------------|--------------------------|
| MW-1<br>12/28/98         | 390,000                           | 4,900                         | <1,000                   | <1,000                   |
| MW-3<br>12/28/98         | 980,000                           | 4,500                         | 390,000                  | <1,000                   |
| MW-4<br>12/28/98         | 670,000                           | 3,500                         | 6,800                    | <1,000                   |
| MW-5<br>12/28/98         | 480,000                           | 15                            | 51,000                   | <1,000                   |
| MW-6<br>12/28/98         | 2,400,000                         | 810                           | 110,000                  | <1,000                   |
| MW-7<br>12/28/98         | 350,000                           | 12,000                        | 79,000                   | <1,000                   |
| MW-8<br>12/28/98         | 1,100,000                         | 45                            | 87,000                   | <1,000                   |

**EXPLANATIONS:**

Groundwater laboratory analytical results were compiled from reports prepared by Blaine Tech Services, Inc.

(ppb) = Parts per billion



## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by ChevronTexaco Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 6-17-04 (inclusive)  
 City: Oakland, CA Sampler: Joc

Well ID: MW-1 Date Monitored: 6-17-04 Well Condition: o.k  
 Well Diameter: 2 1/4 in.  
 Total Depth: 19.30 ft.  
 Depth to Water: 5.48 ft.  
 $13.82 \times VF \ 0.66 = 9.12 \times 3 \text{ case volume} = \text{Estimated Purge Volume: } 27 \text{ gal.}$

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| Volume      | 3/4"= 0.02 | 1"= 0.04 | 2"= 0.17 | 3"= 0.38' |
| Factor (VF) | 4"= 0.66   | 5"= 1.02 | 6"= 1.50 | 12"= 5.80 |

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump  \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer  \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

|                                       |             |
|---------------------------------------|-------------|
| Time Started:                         | (2400 hrs)  |
| Time Bailed:                          | (2400 hrs)  |
| Depth to Product:                     | _____ ft    |
| Depth to Water:                       | _____ ft    |
| Hydrocarbon Thickness:                | <u>0</u> ft |
| Visual Confirmation/Description:      | _____       |
| Skimmer / Absorbant Sock (circle one) |             |
| Amt Removed from Skimmer:             | _____ gal   |
| Amt Removed from Well:                | _____ gal   |
| Water Removed:                        | _____       |
| Product Transferred to:               | _____       |

Start Time (purge): 0952 Weather Conditions: clear  
 Sample Time/Date: 1025 16-17-04 Water Color: clear Odor: yes  
 Purging Flow Rate: 2 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (umhos/cm) <sup>x1000</sup> | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|--|-------------------|-------------|----------|
| <u>1006</u>     | <u>9</u>      | <u>6.56</u> | <u>0.51</u>                              | <u>69.6</u>       |             |          |
| <u>1010</u>     | <u>18</u>     | <u>6.52</u> | <u>0.59</u>                              | <u>72.1</u>       |             |          |
| <u>1014</u>     | <u>27</u>     | <u>6.57</u> | <u>0.50</u>                              | <u>71.7</u>       |             |          |
|                 |               |             |  |                   |             |          |
|                 |               |             |  |                   |             |          |

### LABORATORY INFORMATION

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES                                  |
|-----------|---------------|---------|---------------|------------|---|
| MW-1      | 6 x vov vial  | YES     | HCL           | LANCASTER  | TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260) |
|           | 2 x Amber     | YES     | NP            | LANCASTER  | TPH-D                                     |
|           |               |         |               |            |   |
|           |               |         |               |            |   |

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 6-17-04 (inclusive)  
 City: Oakland, CA Sampler: Joc

Well ID: MW-2A Date Monitored: 6-17-04 Well Condition: 0.1c  
 Well Diameter: (2) 1.4 in.  
 Total Depth: 16.75 ft.  
 Depth to Water: 6.60 ft.  
10.15 xVF 0.17 = 1.73 x3 case volume = Estimated Purge Volume: 5.5 gal.

|             |             |           |           |            |
|-------------|-------------|-----------|-----------|------------|
| Volume      | 3/4" = 0.02 | 1" = 0.04 | 2" = 0.17 | 3" = 0.38  |
| Factor (VF) | 4" = 0.66   | 5" = 1.02 | 6" = 1.50 | 12" = 5.80 |

### Purge Equipment:

Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

|                                       |                  |
|---------------------------------------|------------------|
| Time Started:                         | _____ (2400 hrs) |
| Time Bailed:                          | _____ (2400 hrs) |
| Depth to Product:                     | _____ ft         |
| Depth to Water:                       | _____ ft         |
| Hydrocarbon Thickness:                | <u>0</u> ft      |
| Visual Confirmation/Description:      | _____            |
| Skimmer / Absorbant Sock (circle one) | _____            |
| Amt Removed from Skimmer:             | _____ gal        |
| Amt Removed from Well:                | _____ gal        |
| Water Removed:                        | _____            |
| Product Transferred to:               | _____            |

Start Time (purge): 0750 Weather Conditions: clear  
 Sample Time/Date: 0816 16-17-04 Water Color: clear Odor: yes  
 Purging Flow Rate: 0.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (umhos/cm) <sup>x1000</sup> | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|--|-------------------|-------------|----------|
| <u>0758</u>     | <u>1.5</u>    | <u>6.91</u> | <u>0.57</u>                              | <u>64.3</u>       | _____       | _____    |
| <u>0803</u>     | <u>3</u>      | <u>6.80</u> | <u>0.67</u>                              | <u>64.3</u>       | _____       | _____    |
| <u>0808</u>     | <u>5.5</u>    | <u>6.84</u> | <u>0.70</u>                              | <u>64.4</u>       | _____       | _____    |
| _____           | _____         | _____       | _____                                    | _____             | _____       | _____    |

### LABORATORY INFORMATION

| SAMPLE ID    | (#) CONTAINER       | REFRIG.    | PRESERV. TYPE | LABORATORY       | ANALYSES   |
|--------------|---------------------|------------|---------------|------------------|--|
| <u>MW-2A</u> | <u>6</u> x vov vial | <u>YES</u> | <u>HCL</u>    | <u>LANCASTER</u> | <u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)</u> |
|              | <u>2</u> x Amber    | <u>YES</u> | <u>NP</u>     | <u>LANCASTER</u> | <u>TPH-D</u>                                     |
|              |                     |            |               |                  |  |
|              |                     |            |               |                  |  |

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121  
 Site Address: 3026 Lakeshore Avenue  
 City: Oakland, CA

Job Number: 386462  
 Event Date: 6.17.04 (inclusive)  
 Sampler: 50c

Well ID: MW-3A Date Monitored: 6.17.04 Well Condition: o.k.  
 Well Diameter: 214 in.  
 Total Depth: 18.05 ft.  
 Depth to Water: 8.52 ft.  
9.53 xVF 0.17 = 1.62 x3 case volume = Estimated Purge Volume: 5 gal.

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| Volume      | 3/4"= 0.02 | 1"= 0.04 | 2"= 0.17 | 3"= 0.38  |
| Factor (VF) | 4"= 0.66   | 5"= 1.02 | 6"= 1.50 | 12"= 5.80 |

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0710 Weather Conditions: clear foggy  
 Sample Time/Date: 0736 6.17.04 Water Color: clear Odor: None  
 Purging Flow Rate: 0.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (u mhos/cm) | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|--------------------------|-------------------|-------------|----------|
| <u>0720</u>     | <u>1.5</u>    | <u>6.77</u> | <u>1.40</u>              | <u>63.8</u>       |             |          |
| <u>0724</u>     | <u>4</u>      | <u>6.80</u> | <u>0.93</u>              | <u>64.0</u>       |             |          |
| <u>0728</u>     | <u>5</u>      | <u>6.82</u> | <u>0.91</u>              | <u>63.9</u>       |             |          |
|                 |               |             |                          |                   |             |          |
|                 |               |             |                          |                   |             |          |

### LABORATORY INFORMATION

| SAMPLE ID    | (#) CONTAINER       | REFRIG.    | PRESERV. TYPE | LABORATORY       | ANALYSES   |
|--------------|---------------------|------------|---------------|------------------|--|
| <u>MW-3A</u> | <u>6 x vov vial</u> | <u>YES</u> | <u>HCL</u>    | <u>LANCASTER</u> | <u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)</u> |
|              | <u>2x Amber</u>     | <u>YES</u> | <u>NP</u>     | <u>LANCASTER</u> | <u>TPH-D</u>                                     |
|              |                     |            |               |                  |  |
|              |                     |            |               |                  |  |

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121  
 Site Address: 3026 Lakeshore Avenue  
 City: Oakland, CA

Job Number: 386462  
 Event Date: 6-17-04 (inclusive)  
 Sampler: Joe

Well ID: MW-4A  
 Well Diameter: 2 1/4 in.  
 Total Depth: 18.55 ft.  
 Depth to Water: 6.05 ft.  
12.5

Date Monitored: 6-17-04 Well Condition: OK

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| Volume      | 3/4"= 0.02 | 1"= 0.04 | 2"= 0.17 | 3"= 0.38  |
| Factor (VF) | 4"= 0.66   | 5"= 1.02 | 6"= 1.50 | 12"= 5.80 |

xVF:  $0.17 \times 12.5 = 2.13$  x3 case volume= Estimated Purge Volume: 6.5 gal.

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft.  
 Depth to Water: \_\_\_\_\_ ft.  
 Hydrocarbon Thickness: \_\_\_\_\_ ft.  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0915 Weather Conditions: clear  
 Sample Time/Date: 0940 6-17-04 Water Color: clear Odor: yes  
 Purging Flow Rate: 1 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (umhos/cm) | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|-------------------------|-------------------|-------------|----------|
| <u>0923</u>     | <u>2</u>      | <u>6.76</u> | <u>2.04</u>             | <u>70.4</u>       |             |          |
| <u>0928</u>     | <u>4</u>      | <u>6.70</u> | <u>1.51</u>             | <u>71.0</u>       |             |          |
| <u>0933</u>     | <u>6.5</u>    | <u>6.69</u> | <u>1.57</u>             | <u>71.3</u>       |             |          |
|                 |               |             |                         |                   |             |          |
|                 |               |             |                         |                   |             |          |

### LABORATORY INFORMATION

| SAMPLE ID    | (#) CONTAINER    | REFRIG.    | PRESERV. TYPE | LABORATORY       | ANALYSES   |
|--------------|------------------|------------|---------------|------------------|--|
| <u>MW-4A</u> | <u>6</u> x vial  | <u>YES</u> | <u>HCL</u>    | <u>LANCASTER</u> | <u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)</u> |
|              | <u>2</u> x Amber | <u>YES</u> | <u>NP</u>     | <u>LANCASTER</u> | <u>TPH-D</u>                                     |
|              |                  |            |               |                  |  |
|              |                  |            |               |                  |  |

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Add/Replaced Lock:  Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 6-17-04 (inclusive)  
 City: Oakland, CA Sampler: Joc

Well ID: MW-5 Date Monitored: 6-17-04 Well Condition: o.k.  
 Well Diameter: 21.4 in.  
 Total Depth: 32.81 ft.  
 Depth to Water: 12.10 ft.

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| Volume      | 3/4"= 0.02 | 1"= 0.04 | 2"= 0.17 | 3"= 0.38  |
| Factor (VF) | 4"= 0.66   | 5"= 1.02 | 6"= 1.50 | 12"= 5.80 |

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 case volume= Estimated Purge Volume: \_\_\_\_\_ gal.

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH | Conductivity (µmhos/cm) | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|----|-------------------------|-------------------|-------------|----------|
|                 |               |    |                         |                   |             |          |
|                 |               |    |                         |                   |             |          |
|                 |               |    |                         |                   |             |          |
|                 |               |    |                         |                   |             |          |

### LABORATORY INFORMATION

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES                                  |
|-----------|---------------|---------|---------------|------------|---|
| MW-       | x voa vial    | YES     | HCL           | LANCASTER  | TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260) |
|           | x Amber       | YES     | NP            | LANCASTER  | TPH-D                                     |
|           |               |         |               |            |   |
|           |               |         |               |            |   |

COMMENTS: m. only

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121  
 Site Address: 3026 Lakeshore Avenue  
 City: Oakland, CA

Job Number: 386462  
 Event Date: 6-17-04 (inclusive)  
 Sampler: SOC

Well ID: MW-6  
 Well Diameter: 21.4 in.  
 Total Depth: 18.41 ft.  
 Depth to Water: 6.08 ft.

Date Monitored: 6-17-04 Well Condition: O.K.

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| Volume      | 3/4"= 0.02 | 1"= 0.04 | 2"= 0.17 | 3"= 0.38  |
| Factor (VF) | 4"= 0.66   | 5"= 1.02 | 6"= 1.50 | 12"= 5.80 |

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 case volume= Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH    | Conductivity (umhos/cm) | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------|-------------------------|-------------------|-------------|----------|
| _____           | _____         | _____ | _____                   | _____             | _____       | _____    |
| _____           | _____         | _____ | _____                   | _____             | _____       | _____    |
| _____           | _____         | _____ | _____                   | _____             | _____       | _____    |
| _____           | _____         | _____ | _____                   | _____             | _____       | _____    |

### LABORATORY INFORMATION

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES                                  |
|-----------|---------------|---------|---------------|------------|---|
| MW-       | x voa vial    | YES     | HCL           | LANCASTER  | TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260) |
|           | x Amber       | YES     | NP            | LANCASTER  | TPH-D                                     |
|           |               |         |               |            |   |
|           |               |         |               |            |   |

COMMENTS: no only

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121  
 Site Address: 3026 Lakeshore Avenue  
 City: Oakland, CA

Job Number: 386462  
 Event Date: 6-17-04 (inclusive)  
 Sampler: Joc

Well ID: MW-7  
 Well Diameter: 2 1/4 in.  
 Total Depth: \_\_\_\_\_ ft.  
 Depth to Water: \_\_\_\_\_ ft.

Date Monitored: \_\_\_\_\_

Well Condition: Inaccessible

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| Volume      | 3/4"= 0.02 | 1"= 0.04 | 2"= 0.17 | 3"= 0.38  |
| Factor (VF) | 4"= 0.66   | 5"= 1.02 | 6"= 1.50 | 12"= 5.80 |

\_\_\_\_\_ xVF \_\_\_\_\_ = \_\_\_\_\_ x3 case volume= Estimated Purge Volume: \_\_\_\_\_ gal.

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description:  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: / Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH    | Conductivity (umhos/cm) | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------|-------------------------|-------------------|-------------|----------|
| _____           | _____         | _____ | _____                   | _____             | _____       | _____    |
| _____           | _____         | _____ | _____                   | _____             | _____       | _____    |
| _____           | _____         | _____ | _____                   | _____             | _____       | _____    |
| _____           | _____         | _____ | _____                   | _____             | _____       | _____    |

### LABORATORY INFORMATION

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES                                  |
|-----------|---------------|---------|---------------|------------|---|
| MW-       | x voa vial    | YES     | HCL           | LANCASTER  | TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260) |
|           | x Amber       | YES     | NP            | LANCASTER  | TPH-D                                     |
|           |               |         |               |            |   |
|           |               |         |               |            |   |

COMMENTS: Well was inaccessible. Road widening. See picture.

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_





# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121  
 Site Address: 3026 Lakeshore Avenue  
 City: Oakland, CA

Job Number: 386462  
 Event Date: 6-17-04 (inclusive)  
 Sampler: 501

Well ID: MW-8  
 Well Diameter: 214 in.  
 Total Depth: 24.92 ft.  
 Depth to Water: 8.93 ft.

Date Monitored: 6-17-04 Well Condition: o.k.

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| Volume      | 3/4"= 0.02 | 1"= 0.04 | 2"= 0.17 | 3"= 0.38  |
| Factor (VF) | 4"= 0.66   | 5"= 1.02 | 6"= 1.50 | 12"= 5.80 |

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 case volume= Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH | Conductivity (umhos/cm) | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|----|-------------------------|-------------------|-------------|----------|
|                 |               |    |                         |                   |             |          |
|                 |               |    |                         |                   |             |          |
|                 |               |    |                         |                   |             |          |
|                 |               |    |                         |                   |             |          |
|                 |               |    |                         |                   |             |          |

### LABORATORY INFORMATION

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES                                  |
|-----------|---------------|---------|---------------|------------|---|
| MW-       | x voa vial    | YES     | HCL           | LANCASTER  | TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260) |
|           | x Amber       | YES     | NP            | LANCASTER  | TPH-D                                     |
|           |               |         |               |            |   |
|           |               |         |               |            |   |
|           |               |         |               |            |   |

COMMENTS: no only

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0121 Job Number: 386462  
 Site Address: 3026 Lakeshore Avenue Event Date: 6-17-04 (inclusive)  
 City: Oakland, CA Sampler: Joe

Well ID: MW-9 Date Monitored: 6-17-04 Well Condition: OK  
 Well Diameter: (2) 1.4 in.  
 Total Depth: 15.65 ft.  
 Depth to Water: 4.82 ft.  
10.83 xVF 0.17 = 1.84 x3 case volume = Estimated Purge Volume: 5.5 gal.

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| Volume      | 3/4"= 0.02 | 1"= 0.04 | 2"= 0.17 | 3"= 0.38  |
| Factor (VF) | 4"= 0.66   | 5"= 1.02 | 6"= 1.50 | 12"= 5.80 |

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0.2 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0830 Weather Conditions: clear  
 Sample Time/Date: 0855 16-17-04 Water Color: clear Odor: milk  
 Purging Flow Rate: 0.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (umhos/cm) <sup>1000</sup> | Temperature (C/E) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|---|-------------------|-------------|----------|
| <u>0837</u>     | <u>1.5</u>    | <u>7.18</u> | <u>2.41</u>                             | <u>64.6</u>       | _____       | _____    |
| <u>0842</u>     | <u>3</u>      | <u>7.22</u> | <u>2.50</u>                             | <u>64.4</u>       | _____       | _____    |
| <u>0845</u>     | <u>5.5</u>    | <u>7.21</u> | <u>2.58</u>                             | <u>64.5</u>       | _____       | _____    |
| _____           | _____         | _____       | _____                                   | _____             | _____       | _____    |

### LABORATORY INFORMATION

| SAMPLE ID   | (#) CONTAINER       | REFRIG.    | PRESERV. TYPE | LABORATORY       | ANALYSES  |
|-------------|---------------------|------------|---------------|------------------|---|
| <u>MW-9</u> | <u>6</u> x voa vial | <u>YES</u> | <u>HCL</u>    | <u>LANCASTER</u> | <u>TPH-G(8015)/BTX+MTBE(8260)<br/>ETHANOL(8260)</u> |
|             | <u>2</u> x Amber    | <u>YES</u> | <u>NP</u>     | <u>LANCASTER</u> | <u>TPH-D</u>  |
| _____       | _____               | _____      | _____         | _____            | _____   |
| _____       | _____               | _____      | _____         | _____            | _____   |

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_

# Chevron California Region Analysis Request/Chain of Custody



Acct. #: 10904 Sample #: 4297044-49 For Lancaster Laboratories, use only SCR#: 900710

061804-04

| Facility Information  |                |                |                                     | Matrix   |      | Analyses Requested  |     | Preservation Codes   |      | Preservative Codes   |                    |
|---|----------------|----------------|-------------------------------------|--|------|---|-----|--|------|--|--------------------|
| Facility #: <u>SS#9-0121 G-R#386462 Global ID#T0600100328</u><br>Site Address: <u>3026 LAKESHORE AVENUE, OAKLAND, CA</u><br>Chevron P#: <u>KS</u> Lead Consultant: <u>GAMBRIATS</u><br>Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568</u><br>Consultant Prj. Mgr.: <u>Deanna L. Harding (deanna@grinc.com)</u><br>Consultant Phone: <u>925-551-7555</u> Fax: <u>925-551-7899</u><br>Sampler: <u>JOE ASEMIAN</u> |                |                |                                     | Potable <input type="checkbox"/><br>NPDES <input type="checkbox"/> |      | Total Number of Containers: <u>8021</u> <input checked="" type="checkbox"/><br>BTEX + MTBE <u>8260</u> <input type="checkbox"/><br>TPH 8015 MOD <u>GRO</u> <input type="checkbox"/><br>TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup<br>8260 Mill Scan <input type="checkbox"/><br>Oxygenates <input type="checkbox"/><br>Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/><br>Ethanol (8260) |     | H <input type="checkbox"/> H <input type="checkbox"/><br>H <input type="checkbox"/> H <input type="checkbox"/><br>H <input type="checkbox"/> H <input type="checkbox"/><br>H <input type="checkbox"/> H <input type="checkbox"/> |      | H = HCl T = Thiosulfate<br>N = HNO <sub>3</sub> B = NaOH<br>S = H <sub>2</sub> SO <sub>4</sub> O = Other<br><input type="checkbox"/> J value reporting needed<br><input checked="" type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds<br>8021 MTBE Confirmation<br><input type="checkbox"/> Confirm highest hit by 8260<br><input type="checkbox"/> Confirm all hits by 8260<br><input type="checkbox"/> Run ___ oxy s on highest hit<br><input type="checkbox"/> Run ___ oxy s on all hits |                    |
| <b>Sample Identification</b>  | Date Collected | Time Collected | Grab                                | Composite  | Soil | Water   | Oil | Air  | Grab | Composite  | Comments / Remarks |
| <u>QA</u>   | —              | —              | <input checked="" type="checkbox"/> |  |      |   |     |  |      |  |                    |
| <u>MW-1</u>   | <u>6-17-04</u> | <u>1025</u>    | <input checked="" type="checkbox"/> |  |      |   |     |  |      |  |                    |
| <u>MW-2A</u>  |                | <u>0816</u>    | <input checked="" type="checkbox"/> |  |      |   |     |  |      |  |                    |
| <u>MW-3A</u>  |                | <u>0736</u>    | <input checked="" type="checkbox"/> |  |      |   |     |  |      |  |                    |
| <u>MW-4A</u>  |                | <u>0940</u>    | <input checked="" type="checkbox"/> |  |      |   |     |  |      |  |                    |
| <u>MW-9</u>   |                | <u>0856</u>    | <input checked="" type="checkbox"/> |  |      |   |     |  |      |  |                    |

|   |  |  |
|---|--|--|
| <b>Turnaround Time Requested (TAT) (please circle)</b><br>STD. TAT <u>24 hour</u><br>72 hour<br>48 hour<br>4 day<br>5 day | Relinquished by: <u>[Signature]</u><br>Date: <u>6-17-04</u> Time: <u>1225</u><br>Relinquished by: <u>[Signature]</u><br>Date: <u>6/18/04</u> Time: <u>1205</u><br>Relinquished by: <u>[Signature]</u><br>Date: <u>6/18/04</u> Time: <u>1530</u><br>Relinquished by Commercial Carrier:<br>UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other <u>Air Mail</u><br>Temperature Upon Receipt: <u>2-4.5C</u> | Received by: <u>[Signature]</u><br>Date: <u>6/18/04</u> Time: <u>1030</u><br>Received by: <u>[Signature]</u><br>Date: <u>6/18/04</u> Time: <u>1205</u><br>Received by: <u>[Signature]</u><br>Date: <u>6/18/04</u> Time: <u>1530</u><br>Received by: <u>[Signature]</u><br>Date: <u>6/18/04</u> Time: <u>1530</u><br>Received by: <u>[Signature]</u><br>Date: <u>6/18/04</u> Time: <u>1530</u><br>Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
|---|--|--|



# Analysis Report

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## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

## SAMPLE GROUP

The sample group for this submittal is 900710. Samples arrived at the laboratory on Saturday, June 19, 2004. The PO# for this group is 99011184 and the release number is STREICH.

| <u>Client Description</u> |      |       | <u>Lancaster Labs Number</u> |
|---------------------------|------|-------|------------------------------|
| QA-T-040617               | NA   | Water | 4297044                      |
| MW-1-W-040617             | Grab | Water | 4297045                      |
| MW-2A-W-040617            | Grab | Water | 4297046                      |
| MW-3A-W-040617            | Grab | Water | 4297047                      |
| MW-4A-W-040617            | Grab | Water | 4297048                      |
| MW-9-W-040617             | Grab | Water | 4297049                      |

1 COPY TO Cambria C/O Gettler- Ryan  
ELECTRONIC Gettler-Ryan  
COPY TO

Attn: Deanna L. Harding  
Attn: Cheryl Hansen



## Analysis Report

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Questions? Contact your Client Services Representative  
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,

A handwritten signature in cursive script that reads "Michele M. Turner".

Michele M. Turner  
Manager



# Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4297044

QA-T-040617 NA Water  
Facility# 90121 Job# 386462 GRD  
3026 Lakeshore-Oakland T0600100328 QA  
Collected: 06/17/2004

Account Number: 10904

Submitted: 06/19/2004 09:40  
Reported: 07/01/2004 at 13:11  
Discard: 08/01/2004

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

LAOQA

| CAT No.   | Analysis Name               | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|-----------------------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01728   | TPH-GRO - Waters            | n.a.       | N.D.               | 50.                                | ug/l  | 1               |
| The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.<br>The percent recovery for the surrogate was outside QC limits in the MS associated with this sample. The compound met recovery criteria in the LCS/LCSD analysis. |                             |            |                    |                                    |       |                 |
| 06054   | BTEX+MTBE by 8260B          |            |                    |                                    |       |                 |
| 02010   | Methyl Tertiary Butyl Ether | 1634-04-4  | N.D.               | 0.5                                | ug/l  | 1               |
| 05401   | Benzene                     | 71-43-2    | N.D.               | 0.5                                | ug/l  | 1               |
| 05407   | Toluene                     | 108-88-3   | N.D.               | 0.5                                | ug/l  | 1               |
| 05415   | Ethylbenzene                | 100-41-4   | N.D.               | 0.5                                | ug/l  | 1               |
| 06310   | Xylene (Total)              | 1330-20-7  | N.D.               | 0.5                                | ug/l  | 1               |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name        | Method                     | Trial# | Analysis   |       | Analyst          | Dilution Factor |
|---------|----------------------|----------------------------|--------|------------|-------|------------------|-----------------|
|         |                      |                            |        | Date       | Time  |                  |                 |
| 01728   | TPH-GRO - Waters     | N. CA LUFT Gasoline Method | 1      | 06/24/2004 | 19:47 | Michael F Barrow | 1               |
| 06054   | BTEX+MTBE by 8260B   | SW-846 8260B               | 1      | 06/24/2004 | 21:11 | Shawn J Rice     | 1               |
| 01146   | GC VOA Water Prep    | SW-846 5030B               | 1      | 06/24/2004 | 19:47 | Michael F Barrow | n.a.            |
| 01163   | GC/MS VOA Water Prep | SW-846 5030B               | 1      | 06/24/2004 | 21:11 | Shawn J Rice     | n.a.            |

Lancaster Laboratories Sample No. WW 4297045

MW-1-W-040617 Grab Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 MW-1  
 Collected: 06/17/2004 10:25 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40  
 Reported: 07/01/2004 at 13:11  
 Discard: 08/01/2004

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

LAO01

| CAT No.  | Analysis Name                  | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|--|--------------------------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01728  | TPH-GRO - Waters               | n.a.       | 3,400.             | 250.                               | ug/l  | 5               |
| The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.  |                                |            |                    |                                    |       |                 |
| 05553  | TPH - DRO CA LUFT (Waters)     | n.a.       | 2,700.             | 250.                               | ug/l  | 10              |
| According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). |                                |            |                    |                                    |       |                 |
| 01594  | BTEX+5 Oxygenates+EDC+EDB+ETOH |            |                    |                                    |       |                 |
| 01587  | Ethanol                        | 64-17-5    | N.D.               | 50.                                | ug/l  | 1               |
| 02010  | Methyl Tertiary Butyl Ether    | 1634-04-4  | 160.               | 0.5                                | ug/l  | 1               |
| 05401  | Benzene                        | 71-43-2    | 180.               | 0.5                                | ug/l  | 1               |
| 05407  | Toluene                        | 108-88-3   | 13.                | 0.5                                | ug/l  | 1               |
| 05415  | Ethylbenzene                   | 100-41-4   | 27.                | 0.5                                | ug/l  | 1               |
| 06310  | Xylene (Total)                 | 1330-20-7  | 13.                | 0.5                                | ug/l  | 1               |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                     | Method                                  | Analysis |                  | Analyst            | Dilution Factor |
|---------|-----------------------------------|---|----------|------------------|--------------------|-----------------|
|         |                                   |   | Trial#   | Date and Time    |                    |                 |
| 01728   | TPH-GRO - Waters                  | N. CA LUFT Gasoline                     | 1        | 06/22/2004 20:32 | Victoria M Martell | 5               |
| 05553   | TPH - DRO CA LUFT (Waters)        | Method<br>CALUFT-DRO/8015B,<br>Modified | 1        | 06/29/2004 13:07 | Devin M Hetrick    | 10              |
| 01594   | BTEX+5<br>Oxygenates+EDC+EDB+ETOH | SW-846 8260B                            | 1        | 06/24/2004 06:44 | Elizabeth M Taylor | 1               |
| 01146   | GC VOA Water Prep                 | SW-846 5030B                            | 1        | 06/22/2004 20:32 | Victoria M Martell | n.a.            |
| 01163   | GC/MS VOA Water Prep              | SW-846 5030B                            | 1        | 06/24/2004 06:44 | Elizabeth M Taylor | n.a.            |
| 02135   | Extraction - DRO Water<br>Special | TPH by CA LUFT                          | 1        | 06/22/2004 04:00 | Eryn E Landis      | 1               |

Lancaster Laboratories Sample No. WW 4297046

 MW-2A-W-040617 Grab Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 MW-2A  
 Collected: 06/17/2004 08:16 by JA

Account Number: 10904

 Submitted: 06/19/2004 09:40  
 Reported: 07/01/2004 at 13:11  
 Discard: 08/01/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

LAO2A

| CAT No. | Analysis Name  | CAS Number | As Received Result | As Received |                 | Units | Dilution Factor |
|---------|--|------------|--------------------|-------------|-----------------|-------|-----------------|
|         |  |            |                    | Method      | Detection Limit |       |                 |
| 01728   | TPH-GRO - Waters   | n.a.       | 920.               |             | 250.            | ug/l  | 5               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.  |            |                    |             |                 |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)   | n.a.       | 2,300.             |             | 50.             | ug/l  | 2               |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). |            |                    |             |                 |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH   |            |                    |             |                 |       |                 |
| 01587   | Ethanol  | 64-17-5    | N.D.               |             | 100.            | ug/l  | 2               |
| 02010   | Methyl Tertiary Butyl Ether  | 1634-04-4  | 1,700.             |             | 10.             | ug/l  | 20              |
| 05401   | Benzene  | 71-43-2    | 23.                |             | 1.              | ug/l  | 2               |
| 05407   | Toluene  | 108-88-3   | 2.                 |             | 1.              | ug/l  | 2               |
| 05415   | Ethylbenzene   | 100-41-4   | 6.                 |             | 1.              | ug/l  | 2               |
| 06310   | Xylene (Total)   | 1330-20-7  | 12.                |             | 1.              | ug/l  | 2               |
|         | Due to the level of methyl tertiary butyl ether, the reporting limits for all GC/MS volatile compounds were raised.  |            |                    |             |                 |       |                 |

State of California Lab Certification No. 2116

### Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                            | Trial# | Analysis   |       | Analyst            | Dilution Factor |
|---------|--------------------------------|-----------------------------------|--------|------------|-------|--------------------|-----------------|
|         |                                |                                   |        | Date       | Time  |                    |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline               | 1      | 06/22/2004 | 21:05 | Victoria M Martell | 5               |
| 05553   | TPH - DRO CA LUFT (Waters)     | Method CALUFT-DRO/8015B, Modified | 1      | 06/29/2004 | 13:31 | Devin M Hetrick    | 2               |
| 01594   | BTEX+5                         | SW-846 8260B                      | 1      | 06/24/2004 | 07:37 | Elizabeth M Taylor | 2               |
| 01594   | Oxygenates+EDC+EDB+ETOH        | SW-846 8260B                      | 1      | 06/24/2004 | 08:04 | Elizabeth M Taylor | 20              |
| 01146   | BTEX+5                         | SW-846 5030B                      | 1      | 06/22/2004 | 21:05 | Victoria M Martell | n.a.            |
| 01163   | GC VOA Water Prep              | SW-846 5030B                      | 1      | 06/24/2004 | 07:37 | Elizabeth M Taylor | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT                    | 1      | 06/22/2004 | 04:00 | Eryn E Landis      | 1               |





# Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4297047

MW-3A-W-040617 Grab Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 MW-3A  
 Collected: 06/17/2004 07:36 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40  
 Reported: 07/01/2004 at 13:11  
 Discard: 08/01/2004

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

LAO3A

| CAT No. | Analysis Name  | CAS Number | As Received Result | As Received |                 | Units | Dilution Factor |
|---------|--|------------|--------------------|-------------|-----------------|-------|-----------------|
|         |  |            |                    | Method      | Detection Limit |       |                 |
| 01728   | TPH-GRO - Waters   | n.a.       | 180.               | 50.         | 50.             | ug/l  | 1               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.  |            |                    |             |                 |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)   | n.a.       | 430.               | 50.         | 50.             | ug/l  | 1               |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). |            |                    |             |                 |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH   |            |                    |             |                 |       |                 |
| 01587   | Ethanol  | 64-17-5    | N.D.               | 50.         | 50.             | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether  | 1634-04-4  | 3.                 | 0.5         | 0.5             | ug/l  | 1               |
| 05401   | Benzene  | 71-43-2    | 1.                 | 0.5         | 0.5             | ug/l  | 1               |
| 05407   | Toluene  | 108-88-3   | N.D.               | 0.5         | 0.5             | ug/l  | 1               |
| 05415   | Ethylbenzene   | 100-41-4   | N.D.               | 0.5         | 0.5             | ug/l  | 1               |
| 06310   | Xylene (Total)   | 1330-20-7  | N.D.               | 0.5         | 0.5             | ug/l  | 1               |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name                     | Method                                  | Analysis |                  | Analyst            | Dilution Factor |
|---------|-----------------------------------|---|----------|------------------|--------------------|-----------------|
|         |                                   |   | Trial#   | Date and Time    |                    |                 |
| 01728   | TPH-GRO - Waters                  | N. CA LUFT Gasoline                     | 1        | 06/22/2004 22:43 | Victoria M Martell | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)        | Method<br>CALUFT-DRO/8015B,<br>Modified | 1        | 06/25/2004 23:30 | Devin M Hetrick    | 1               |
| 01594   | BTEX+5<br>Oxygenates+EDC+EDB+ETOH | SW-846 8260B                            | 1        | 06/24/2004 08:30 | Elizabeth M Taylor | 1               |
| 01146   | GC VOA Water Prep                 | SW-846 5030B                            | 1        | 06/22/2004 22:43 | Victoria M Martell | n.a.            |
| 01163   | GC/MS VOA Water Prep              | SW-846 5030B                            | 1        | 06/24/2004 08:30 | Elizabeth M Taylor | n.a.            |
| 02135   | Extraction - DRO Water<br>Special | TPH by CA LUFT                          | 1        | 06/22/2004 04:00 | Eryn E Landis      | 1               |

Lancaster Laboratories Sample No. WW 4297048

MW-4A-W-040617                      Grab                      Water  
 Facility# 90121      Job# 386462                      GRD  
 3026 Lakeshore-Oakland      T0600100328      MW-4A  
 Collected: 06/17/2004 09:40      by JA

Account Number: 10904

Submitted: 06/19/2004 09:40  
 Reported: 07/01/2004 at 13:11  
 Discard: 08/01/2004

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

LAO4A

| CAT No. | Analysis Name   | CAS Number | As Received Result | As Received          | Units | Dilution Factor |
|---------|---|------------|--------------------|----------------------|-------|-----------------|
|         |   |            |                    | Method               |       |                 |
| 01728   | TPH-GRO - Waters  | n.a.       | 6,000.             | Detection Limit 250. | ug/l  | 5               |
|         | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.   |            |                    |                      |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)  | n.a.       | 7,900.             | 250.                 | ug/l  | 10              |
|         | According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).<br>The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram. |            |                    |                      |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH  |            |                    |                      |       |                 |
| 01587   | Ethanol   | 64-17-5    | N.D.               | 50.                  | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether   | 1634-04-4  | 1,500.             | 5.                   | ug/l  | 10              |
| 05401   | Benzene   | 71-43-2    | 140.               | 0.5                  | ug/l  | 1               |
| 05407   | Toluene   | 108-88-3   | 20.                | 0.5                  | ug/l  | 1               |
| 05415   | Ethylbenzene  | 100-41-4   | 52.                | 0.5                  | ug/l  | 1               |
| 06310   | Xylene (Total)  | 1330-20-7  | 16.                | 0.5                  | ug/l  | 1               |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                     | Trial# | Analysis         | Analyst            | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------------|--------------------|-----------------|
|         |                                |                            |        | Date and Time    |                    |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline        | 1      | 06/22/2004 23:16 | Victoria M Martell | 5               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1      | 06/29/2004 13:54 | Devin M Hetrick    | 10              |
| 01594   | BTEX+5                         | SW-846 8260B               | 1      | 06/25/2004 10:59 | Shawn J Rice       | 1               |
| 01594   | Oxygenates+EDC+EDB+ETOH        | SW-846 8260B               | 1      | 06/25/2004 11:26 | Shawn J Rice       | 10              |
| 01146   | BTEX+5                         | SW-846 5030B               | 1      | 06/22/2004 23:16 | Victoria M Martell | n.a.            |
| 01163   | GC VOA Water Prep              | SW-846 5030B               | 1      | 06/25/2004 10:59 | Shawn J Rice       | n.a.            |
| 02135   | GC/MS VOA Water Prep           | TPH by CA LUFT             | 1      | 06/22/2004 04:00 | Eryn E Landis      | 1               |
|         | Extraction - DRO Water Special |                            |        |                  |                    |                 |



# Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4297049

MW-9-W-040617 Grab Water  
 Facility# 90121 Job# 386462 GRD  
 3026 Lakeshore-Oakland T0600100328 MW-9  
 Collected: 06/17/2004 08:55 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40  
 Reported: 07/01/2004 at 13:11  
 Discard: 08/01/2004

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

LAQ09

| CAT No.  | Analysis Name                  | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|--|--------------------------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01728  | TPH-GRO - Waters               | n.a.       | 3,100.             | 50.                                | ug/l  | 1               |
| The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.<br>Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications. |                                |            |                    |                                    |       |                 |
| 05553  | TPH - DRO CA LUFT (Waters)     | n.a.       | 2,700.             | 130.                               | ug/l  | 5               |
| According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).                               |                                |            |                    |                                    |       |                 |
| 01594  | BTEX+5 Oxygenates+EDC+EDE+ETOH |            |                    |                                    |       |                 |
| 01587  | Ethanol                        | 64-17-5    | N.D.               | 50.                                | ug/l  | 1               |
| 02010  | Methyl Tertiary Butyl Ether    | 1634-04-4  | 96.                | 0.5                                | ug/l  | 1               |
| 05401  | Benzene                        | 71-43-2    | 2.                 | 0.5                                | ug/l  | 1               |
| 05407  | Toluene                        | 108-88-3   | 1.                 | 0.5                                | ug/l  | 1               |
| 05415  | Ethylbenzene                   | 100-41-4   | 2.                 | 0.5                                | ug/l  | 1               |
| 06310  | Xylene (Total)                 | 1330-20-7  | 3.                 | 0.5                                | ug/l  | 1               |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name                  | Method                            | Trial# | Analysis Date and Time | Analyst            | Dilution Factor |
|---------|--------------------------------|-----------------------------------|--------|------------------------|--------------------|-----------------|
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline               | 1      | 06/22/2004 23:48       | Victoria M Martell | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | Method CALUFT-DRO/8015B, Modified | 1      | 06/29/2004 14:17       | Devin M Hetrick    | 5               |
| 01594   | BTEX+5 Oxygenates+EDC+EDE+ETOH | SW-846 8260B                      | 1      | 06/24/2004 08:57       | Elizabeth M Taylor | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B                      | 1      | 06/22/2004 23:48       | Victoria M Martell | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B                      | 1      | 06/24/2004 08:57       | Elizabeth M Taylor | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT                    | 1      | 06/22/2004 04:00       | Eryn E Landis      | 1               |

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 07/01/04 at 01:11 PM

Group Number: 900710

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

| Analysis Name  | Blank Result | Blank MDL | Report Units                                      | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|--|--------------|-----------|---|----------|-----------|-----------------|-----|---------|
| Batch number: 041730013A<br>TPH - DRO CA LUFT (Waters) | N.D.         | 50.       | Sample number(s): 4297045-4297049<br>ug/l         | 90       | 90        | 61-126          | 0   | 20      |
| Batch number: 04174A07B<br>TPH-GRO - Waters            | N.D.         | 50.       | Sample number(s): 4297045-4297046<br>ug/l         | 106      | 107       | 70-130          | 1   | 30      |
| Batch number: 04174A07C<br>TPH-GRO - Waters            | N.D.         | 50.       | Sample number(s): 4297047-4297049<br>ug/l         | 106      | 107       | 70-130          | 1   | 30      |
| Batch number: 04176A07A<br>TPH-GRO - Waters            | N.D.         | 50.       | Sample number(s): 4297044<br>ug/l                 | 104      | 107       | 70-130          | 3   | 30      |
| Batch number: P041754AA<br>Ethanol                     | N.D.         | 50.       | Sample number(s): 4297045-4297047,4297049<br>ug/l | 89       |           | 46-145          |     |         |
| Methyl Tertiary Butyl Ether                            | N.D.         | 0.5       | ug/l  | 96       |           | 77-127          |     |         |
| Benzene  | N.D.         | 0.5       | ug/l  | 97       |           | 85-117          |     |         |
| Toluene  | N.D.         | 0.5       | ug/l  | 100      |           | 85-115          |     |         |
| Ethylbenzene   | N.D.         | 0.5       | ug/l  | 100      |           | 82-119          |     |         |
| Xylene (Total)   | N.D.         | 0.5       | ug/l  | 100      |           | 84-120          |     |         |
| Batch number: P041761AA<br>Methyl Tertiary Butyl Ether | N.D.         | 0.5       | Sample number(s): 4297044<br>ug/l                 | 105      |           | 77-127          |     |         |
| Benzene  | N.D.         | 0.5       | ug/l  | 107      |           | 85-117          |     |         |
| Toluene  | N.D.         | 0.5       | ug/l  | 105      |           | 85-115          |     |         |
| Ethylbenzene   | N.D.         | 0.5       | ug/l  | 103      |           | 82-119          |     |         |
| Xylene (Total)   | N.D.         | 0.5       | ug/l  | 104      |           | 84-120          |     |         |
| Batch number: P041772AA<br>Ethanol                     | N.D.         | 50.       | Sample number(s): 4297048<br>ug/l                 | 98       |           | 46-145          |     |         |
| Methyl Tertiary Butyl Ether                            | N.D.         | 0.5       | ug/l  | 107      |           | 77-127          |     |         |
| Benzene  | N.D.         | 0.5       | ug/l  | 109      |           | 85-117          |     |         |
| Toluene  | N.D.         | 0.5       | ug/l  | 107      |           | 85-115          |     |         |
| Ethylbenzene   | N.D.         | 0.5       | ug/l  | 108      |           | 82-119          |     |         |
| Xylene (Total)   | N.D.         | 0.5       | ug/l  | 108      |           | 84-120          |     |         |

### Sample Matrix Quality Control

| Analysis Name                               | MS %REC | MSD %REC | MS/MSD Limits                                   | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---------|----------|---|-----|---------|----------|----------|---------|-------------|
| Batch number: 04174A07B<br>TPH-GRO - Waters |         |          | Sample number(s): 4297045-4297046<br>124 63-154 |     |         |          |          |         |             |

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 07/01/04 at 01:11 PM

Group Number: 900710

### Sample Matrix Quality Control

| Analysis Name                               | MS<br>%REC                                 | MSD<br>%REC | MS/MSD<br>Limits | RPD | PPD<br>MAX | PKG<br>Conc | DUP<br>Conc | DUP<br>RPD | Dup RPD<br>Max |
|---|--|-------------|------------------|-----|------------|-------------|-------------|------------|----------------|
| Batch number: 04174A07C<br>TPH-GRO - Waters | Sample number(s): 4297047-4297049          |             |                  |     |            |             |             |            |                |
|   | 124  |             | 63-154           |     |            |             |             |            |                |
| Batch number: 04176A07A<br>TPH-GRO - Waters | Sample number(s): 4297044                  |             |                  |     |            |             |             |            |                |
|   | 103  |             | 63-154           |     |            |             |             |            |                |
| Batch number: P041754AA                     | Sample number(s): 4297045-4297047, 4297049 |             |                  |     |            |             |             |            |                |
| Ethanol                                     | 104  | 76          | 41-155           | 31* |            | 30          |             |            |                |
| Methyl Tertiary Butyl Ether                 | 103  | 100         | 69-134           | 2   |            | 30          |             |            |                |
| Benzene                                     | 107  | 106         | 83-128           | 1   |            | 30          |             |            |                |
| Toluene                                     | 108  | 109         | 83-127           | 1   |            | 30          |             |            |                |
| Ethylbenzene                                | 109  | 108         | 82-129           | 0   |            | 30          |             |            |                |
| Xylene (Total)                              | 107  | 107         | 82-130           | 0   |            | 30          |             |            |                |
| Batch number: P041761AA                     | Sample number(s): 4297044                  |             |                  |     |            |             |             |            |                |
| Methyl Tertiary Butyl Ether                 | 99   | 97          | 69-134           | 1   |            | 30          |             |            |                |
| Benzene                                     | 105  | 105         | 83-128           | 0   |            | 30          |             |            |                |
| Toluene                                     | 102  | 99          | 83-127           | 3   |            | 30          |             |            |                |
| Ethylbenzene                                | 101  | 103         | 82-129           | 1   |            | 30          |             |            |                |
| Xylene (Total)                              | 102  | 101         | 82-130           | 1   |            | 30          |             |            |                |
| Batch number: P041772AA                     | Sample number(s): 4297048                  |             |                  |     |            |             |             |            |                |
| Ethanol                                     | 77   | 85          | 41-155           | 11  |            | 30          |             |            |                |
| Methyl Tertiary Butyl Ether                 | 146*                                       | 132         | 69-134           | 5   |            | 30          |             |            |                |
| Benzene                                     | 103  | 98          | 83-128           | 5   |            | 30          |             |            |                |
| Toluene                                     | 103  | 97          | 83-127           | 6   |            | 30          |             |            |                |
| Ethylbenzene                                | 103  | 97          | 82-129           | 6   |            | 30          |             |            |                |
| Xylene (Total)                              | 103  | 96          | 82-130           | 6   |            | 30          |             |            |                |

### Surrogate Quality Control

Analysis Name: TPH - DRO CA LUFT (Waters)  
Batch number: 041730013A  
Orthoterphenyl

|         |      |
|---------|------|
| 4297045 | 95   |
| 4297046 | 98   |
| 4297047 | 93   |
| 4297048 | 151* |
| 4297049 | 100  |
| Blank   | 89   |
| ICS     | 119  |
| LCSD    | 123  |

Limits: 57-128

Analysis Name: TPH-GRO - Waters  
Batch number: 04174A07B  
Trifluorotoluene-F

|         |     |
|---------|-----|
| 4297045 | 131 |
|---------|-----|

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 07/01/04 at 01:11 PM

Group Number: 900710

### Surrogate Quality Control

 4297046 98  
 Blank 102  
 LCS 132  
 LCSD 131  
 MS 136

Limits: 57-146

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04174A07C  
 Trifluorotoluene-F

 4297047 120  
 4297048 137  
 4297049 231\*  
 Blank 106  
 LCS 132  
 LCSD 131  
 MS 136

Limits: 57-146

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04176A07A  
 Trifluorotoluene-F

 4297044 106  
 Blank 107  
 LCS 135  
 LCSD 133  
 MS 202\*

Limits: 57-146

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH  
 Batch number: P041754AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4297045 | 107                  | 108                   | 105        | 106                  |
| 4297046 | 107                  | 106                   | 106        | 106                  |
| 4297047 | 108                  | 106                   | 107        | 108                  |
| 4297049 | 108                  | 106                   | 106        | 105                  |
| Blank   | 107                  | 106                   | 107        | 105                  |
| LCS     | 106                  | 104                   | 108        | 106                  |
| MS      | 107                  | 107                   | 106        | 105                  |
| MSD     | 108                  | 107                   | 107        | 106                  |

Limits: 81-120

82-112

85-112

83-113

 Analysis Name: BTEX+MTBE by 8260B  
 Batch number: P041761AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4297044 | 110                  | 108                   | 106        | 105                  |
| Blank   | 110                  | 107                   | 107        | 106                  |
| LCS     | 108                  | 107                   | 107        | 105                  |
| MS      | 109                  | 108                   | 107        | 105                  |
| MSD     | 109                  | 108                   | 107        | 105                  |

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 07/01/04 at 01:11 PM

Group Number: 900710

### Surrogate Quality Control

| Limits:        | 81-120                         | 82-112                | 85-112     | 83-113               |
|----------------|--------------------------------|-----------------------|------------|----------------------|
| Analysis Name: | BTEX+5 Oxygenates+EDC+EDB+ETOH |                       |            |                      |
| Batch number:  | P041772AA                      |                       |            |                      |
|                | Dibromofluoromethane           | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
| 4297048        | 108                            | 108                   | 107        | 108                  |
| Blank          | 103                            | 100                   | 109        | 103                  |
| LCS            | 106                            | 107                   | 107        | 105                  |
| MS             | 107                            | 105                   | 107        | 106                  |
| MSD            | 107                            | 107                   | 106        | 105                  |
| Limits:        | 81-120                         | 82-112                | 85-112     | 83-113               |

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

|                         |  |                 |                                  |
|-------------------------|--|-----------------|----------------------------------|
| <b>N.D.</b>             | none detected  | <b>BMQL</b>     | Below Minimum Quantitation Level |
| <b>TNTC</b>             | Too Numerous To Count  | <b>MPN</b>      | Most Probable Number             |
| <b>IU</b>               | International Units  | <b>CP Units</b> | cobalt-chloroplatinate units     |
| <b>umhos/cm</b>         | micromhos/cm   | <b>NTU</b>      | nephelometric turbidity units    |
| <b>C</b>                | degrees Celsius  | <b>F</b>        | degrees Fahrenheit               |
| <b>meq</b>              | milliequivalents   | <b>lb.</b>      | pound(s)                         |
| <b>g</b>                | gram(s)  | <b>kg</b>       | kilogram(s)                      |
| <b>ug</b>               | microgram(s)   | <b>mg</b>       | milligram(s)                     |
| <b>ml</b>               | milliliter(s)  | <b>l</b>        | liter(s)                         |
| <b>m3</b>               | cubic meter(s)   | <b>ul</b>       | microliter(s)                    |
| <b>&lt;</b>             | less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.  |                 |                                  |
| <b>&gt;</b>             | greater than   |                 |                                  |
| <b>J</b>                | estimated value - The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).   |                 |                                  |
| <b>ppm</b>              | parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas. |                 |                                  |
| <b>ppb</b>              | parts per billion  |                 |                                  |
| <b>Dry weight basis</b> | Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.   |                 |                                  |

## U.S. EPA CLP Data Qualifiers:

| Organic Qualifiers |   | Inorganic Qualifiers |   |
|--------------------|---|----------------------|---|
| <b>A</b>           | TIC is a possible aldol-condensation product                              | <b>B</b>             | Value is $<$ CRDL, but $\geq$ IDL                       |
| <b>B</b>           | Analyte was also detected in the blank                                    | <b>E</b>             | Estimated due to interference                           |
| <b>C</b>           | Pesticide result confirmed by GC/MS                                       | <b>M</b>             | Duplicate injection precision not met                   |
| <b>D</b>           | Compound quantitated on a diluted sample                                  | <b>N</b>             | Spike sample not within control limits                  |
| <b>E</b>           | Concentration exceeds the calibration range of the instrument             | <b>S</b>             | Method of standard additions (MSA) used for calculation |
| <b>N</b>           | Presumptive evidence of a compound (TICs only)                            | <b>U</b>             | Compound was not detected                               |
| <b>P</b>           | Concentration difference between primary and confirmation columns $>$ 25% | <b>W</b>             | Post digestion spike out of control limits              |
| <b>U</b>           | Compound was not detected   | <b>*</b>             | Duplicate analysis not within control limits            |
| <b>X,Y,Z</b>       | Defined in case narrative   | <b>+</b>             | Correlation coefficient for MSA $<$ 0.995               |

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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