

Environmental Management  
Company  
6001 Bollinger Canyon Rd, L4050  
P.O. Box 6012  
San Ramon, CA 94583-2324  
Tel 925-842-1589  
Fax 925-842-8370

Karen Streich  
Project Manager

RO 124

November 3  
\_\_\_\_\_, 2003

**ChevronTexaco**

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

Alameda County

NOV 05 2003

Environmental Health

Re: Chevron Service Station # 9-9708  
Address: 5910 MacArthur Blvd., Oakland, CA

I have reviewed the attached routine groundwater monitoring report dated October 14, 2003

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



# GETTLER-RYAN INC.

Alameda County

NOV 05 2003

Environmental Health

## TRANSMITTAL

October 17, 2003

G-R #386395

**TO:** Mr. Robert Foss  
Cambria Environmental Technology, Inc.  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

**CC:** Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
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  
#9-9708  
5910 MacArthur Boulevard  
Oakland, California

### WE HAVE ENCLOSED THE FOLLOWING:

| COPIES | DATED            | DESCRIPTION   |
|--------|------------------|---|
| 1      | October 13, 2003 | Groundwater Monitoring and Sampling Report<br>Third Quarter - Event of September 15, 2003 |

### COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to *October 31, 2003*, at which time the final report will be distributed to the following:

**cc:** Mr. Don Hwang, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577  
Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures

trans/9-9708-KS



# GETTLER-RYAN INC.

October 13, 2003  
G-R Job #386395

Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Third Quarter Event of September 15, 2003**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-9708  
5910 MacArthur Boulevard  
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.

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

Robert C. Mallory  
Registered Geologist, No. 7285

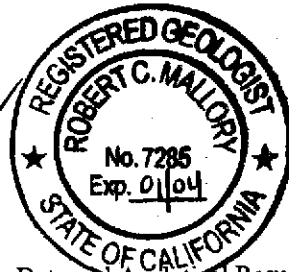
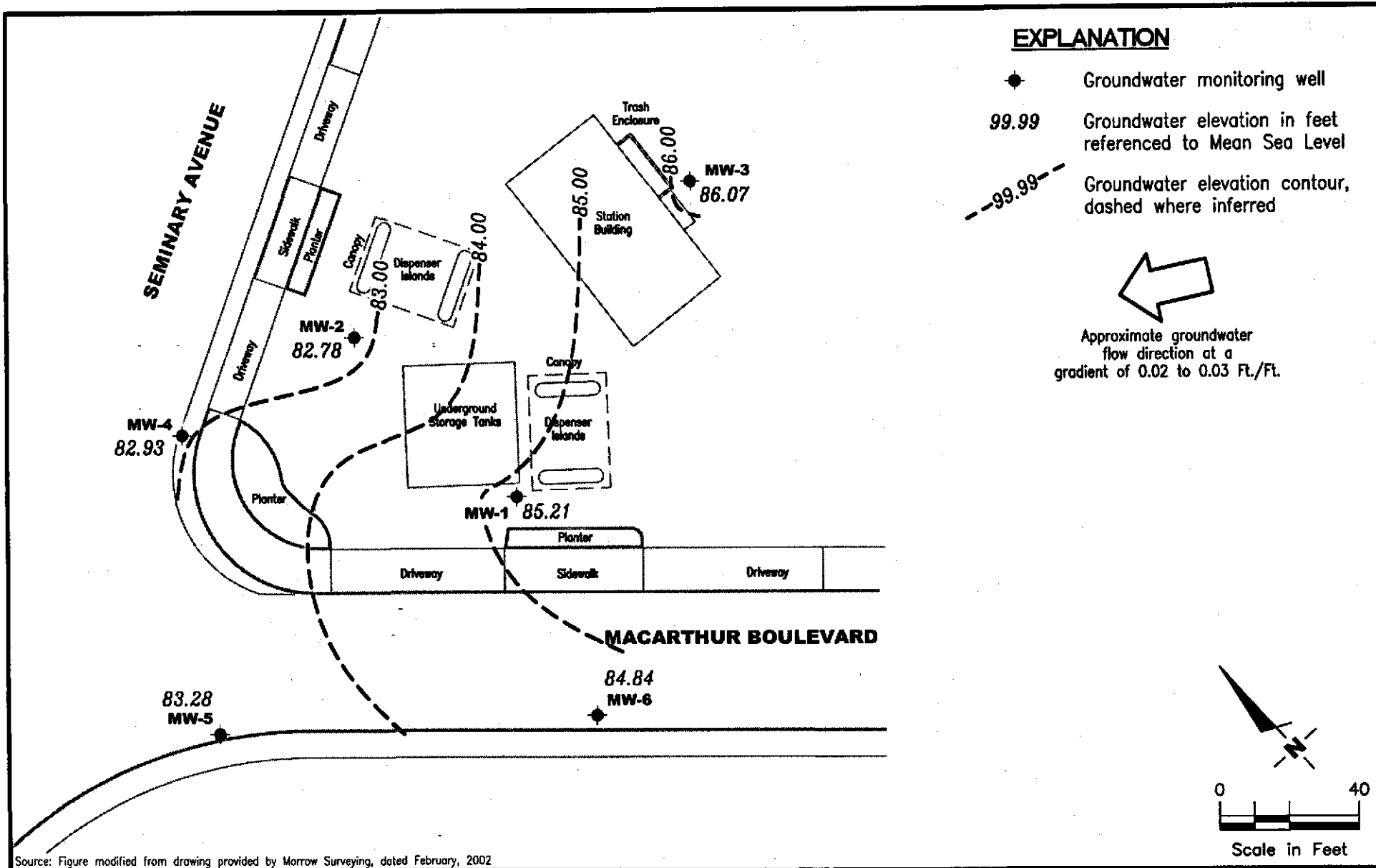


Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



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

**POTENTIOMETRIC MAP**  
 Chevron Service Station #9-9708  
 5910 MacArthur Boulevard  
 Oakland, California

FIGURE  
**1**

|                          |             |                            |              |
|--------------------------|-------------|----------------------------|--------------|
| PROJECT NUMBER<br>386395 | REVIEWED BY | DATE<br>September 15, 2003 | REVISED DATE |
|--------------------------|-------------|----------------------------|--------------|

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-9708  
5910 MacArthur Boulevard  
Oakland, California

| WELL ID/<br>DATE          | TOC*<br>( <i>µ</i> L) | GWE<br>( <i>msl</i> ) | DTW<br>( <i>ft.</i> ) | TPH-D<br>( <i>ppb</i> ) | TPH-G<br>( <i>ppb</i> ) | B<br>( <i>ppb</i> ) | T<br>( <i>ppb</i> ) | E<br>( <i>ppb</i> ) | X<br>( <i>ppb</i> ) | MTBE<br>( <i>ppb</i> ) | 1,2-DCB◆<br>( <i>ppb</i> ) | 1,2-DCA◆<br>( <i>ppb</i> ) | HVOCs◆<br>( <i>ppb</i> ) |
|---------------------------|-----------------------|-----------------------|-----------------------|-------------------------|-------------------------|---------------------|---------------------|---------------------|---------------------|------------------------|----------------------------|----------------------------|--------------------------|
| MW-1                      |                       |                       |                       |                         |                         |                     |                     |                     |                     |                        |                            |                            |                          |
| 05/29/97                  | 96.61                 | 84.41                 | 12.20                 | --                      | --                      | --                  | --                  | --                  | --                  | --                     | --                         | --                         | --                       |
| 06/04/97                  | 96.61                 | 84.40                 | 12.21                 | --                      | 380                     | 58                  | 1.2                 | 5.4                 | 40                  | 85                     | --                         | --                         | --                       |
| 09/16/97                  | 96.61                 | 83.84                 | 12.77                 | --                      | 420                     | 120                 | <0.5                | 19                  | 2.7                 | 28                     | --                         | --                         | --                       |
| 12/17/97                  | 96.61                 | 85.43                 | 11.18                 | --                      | 210 <sup>1</sup>        | 43                  | 0.61                | 11                  | 0.61                | 69                     | --                         | --                         | --                       |
| 03/18/98                  | 96.61                 | 84.59                 | 12.02                 | --                      | 210 <sup>1</sup>        | 47                  | <0.5                | 8.2                 | <0.5                | 92                     | --                         | --                         | --                       |
| 06/28/98                  | 96.61                 | 83.99                 | 12.62                 | --                      | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | 66                     | --                         | --                         | --                       |
| 09/07/98                  | 96.61                 | 82.32                 | 14.29                 | --                      | <50                     | 6.7                 | <0.5                | <0.5                | <0.5                | 92                     | --                         | --                         | --                       |
| 12/29/98                  | 96.61                 | 83.18                 | 13.43                 | --                      | <100                    | <1.0                | <1.0                | 2.24                | 1.14                | 278                    | --                         | --                         | --                       |
| 03/11/99                  | 96.61                 | 83.80                 | 12.81                 | --                      | 110                     | <1.0                | <1.0                | 7.95                | <1.0                | 418                    | --                         | --                         | --                       |
| 05/04/99                  | 96.61                 | 83.85                 | 12.76                 | --                      | --                      | --                  | --                  | --                  | --                  | --                     | --                         | --                         | --                       |
| 06/29/99                  | 96.61                 | 84.06                 | 12.55                 | --                      | 352                     | 34.6                | <2.5                | 51                  | <2.5                | 780                    | --                         | --                         | --                       |
| 09/29/99                  | 96.61                 | 83.21                 | 13.40                 | --                      | 647                     | 167                 | <2.5                | 58.6                | 14.8                | 1,570                  | --                         | --                         | --                       |
| 12/08/99                  | 96.61                 | 85.70                 | 10.91                 | --                      | 481                     | 121                 | 1.16                | 17.9                | 11                  | 3,910                  | --                         | --                         | --                       |
| 03/01/00                  | 96.61                 | 85.46                 | 11.15                 | --                      | 2,580                   | 481                 | 6.84                | 86.6                | 41.9                | 5,460                  | --                         | --                         | --                       |
| 06/23/00                  | 96.61                 | 83.68                 | 12.93                 | --                      | 900 <sup>4</sup>        | 120                 | <5.0                | 22                  | 6.7                 | 5,400                  | --                         | --                         | --                       |
| 09/30/00                  | 96.61                 | 83.07                 | 13.54                 | --                      | 1,300 <sup>4</sup>      | 450                 | 5.5                 | 170                 | 11                  | 2,000                  | --                         | --                         | --                       |
| 12/08/00                  | 96.61                 | 83.63                 | 12.98                 | --                      | <1,000                  | 41.7                | <10.0               | 11.5                | <10.0               | 6,030                  | --                         | --                         | --                       |
| 03/01/01                  | 96.61                 | 84.94                 | 11.67                 | --                      | 340 <sup>7</sup>        | 36.6                | <0.500              | 10.1                | <0.500              | 3,360                  | --                         | --                         | --                       |
| 06/19/01                  | 96.61                 | 83.94                 | 12.67                 | --                      | 610 <sup>4</sup>        | 110                 | <5.0                | 9.2                 | <5.0                | 110                    | --                         | --                         | --                       |
| 09/18/01                  | 96.61                 | 83.48                 | 13.13                 | --                      | 200                     | 32                  | 0.55                | 3.0                 | <1.5                | 1,600                  | --                         | --                         | --                       |
| 12/26/01                  | 96.61                 | 85.14                 | 11.47                 | --                      | 140                     | 9.1                 | <0.50               | 1.2                 | <1.5                | 1,900                  | --                         | --                         | --                       |
| 03/06/02                  | 97.52                 | 86.38                 | 11.14                 | --                      | 93                      | 7.0                 | <0.50               | 0.72                | <1.5                | 1,000                  | --                         | --                         | --                       |
| 06/21/02                  | 97.52                 | 84.92                 | 12.60                 | --                      | 93                      | 8.2                 | <0.50               | 1.2                 | <1.5                | 1,300                  | --                         | --                         | --                       |
| 09/27/02                  | 97.52                 | 84.38                 | 13.14                 | --                      | 78                      | 1.5                 | <0.50               | <0.50               | <1.5                | 1,200                  | --                         | --                         | --                       |
| 12/26/02                  | 97.52                 | 87.74                 | 9.78                  | --                      | 86                      | 1.7                 | <0.50               | <0.50               | <1.5                | 600                    | --                         | --                         | --                       |
| 03/28/03                  | 97.52                 | 85.96                 | 11.56                 | --                      | 190                     | 24                  | <0.50               | 2.4                 | <1.5                | 1,200                  | --                         | --                         | --                       |
| 06/16/03 <sup>11</sup>    | 97.52                 | 85.96                 | 11.56                 | --                      | <50                     | 3                   | <0.5                | <0.5                | <0.5                | 220                    | --                         | --                         | --                       |
| 09/15/03 <sup>11,12</sup> | 97.52                 | 85.21                 | 12.31                 | --                      | 53                      | 3                   | <0.5                | <0.5                | <0.5                | 580                    | --                         | --                         | --                       |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-9708  
5910 MacArthur Boulevard  
Oakland, California

| WELL ID/<br>DATE          | TOC*<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | TPH-D<br>(ppb) | TPH-G<br>(ppb)     | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb)             | 1,2-DCB♦<br>(ppb) | 1,2-DCA♦<br>(ppb) | HVOCs♦<br>(ppb) |
|---------------------------|---------------|--------------|--------------|----------------|--------------------|------------|------------|------------|------------|---------------------------|-------------------|-------------------|-----------------|
| <b>MW-2</b>               |               |              |              |                |                    |            |            |            |            |                           |                   |                   |                 |
| 05/29/97                  | 96.91         | 83.85        | 13.06        | --             | --                 | --         | --         | --         | --         | --                        | --                | --                | --              |
| 06/04/97                  | 96.91         | 83.96        | 12.95        | --             | 1,600              | 120        | 5.9        | 32         | 15         | 2,100                     | --                | --                | --              |
| 09/16/97                  | 96.91         | 83.92        | 12.99        | --             | 1,100              | 23         | 3.2        | 7.0        | 2.5        | 1,200                     | --                | --                | --              |
| 12/17/97                  | 96.91         | 84.73        | 12.18        | --             | 7,100 <sup>1</sup> | 650        | 69         | 610        | 69         | 4,700/2,600 <sup>2</sup>  | --                | --                | --              |
| 03/18/98                  | 96.91         | 84.21        | 12.70        | --             | 5,900 <sup>1</sup> | 250        | <50        | 98         | <50        | 12,000/7,100 <sup>2</sup> | --                | --                | --              |
| 06/28/98                  | 96.91         | 83.98        | 12.93        | --             | 4,300              | 400        | <10        | <10        | <10        | 3,000/4,000 <sup>2</sup>  | --                | --                | --              |
| 09/07/98                  | 96.91         | 83.94        | 12.97        | --             | 3,700              | 220        | 5.1        | 38         | 7.6        | 1,300/1,400 <sup>2</sup>  | --                | --                | --              |
| 12/29/98                  | 96.91         | 83.99        | 12.92        | --             | 6,500              | 573        | 26.8       | 131        | 33.9       | 2,660                     | --                | --                | --              |
| 03/11/99                  | 96.91         | 84.04        | 12.87        | --             | 4,970              | 651        | 30.8       | 60.3       | <5.0       | 2,600                     | --                | --                | --              |
| 05/04/99                  | 96.91         | 84.05        | 12.86        | --             | --                 | --         | --         | --         | --         | --                        | --                | --                | --              |
| 06/29/99                  | 96.91         | 83.98        | 12.93        | --             | 2,030              | 238        | 11.6       | 8.98       | <5.0       | 540                       | --                | --                | --              |
| 09/29/99                  | 96.91         | 84.02        | 12.89        | --             | 2,000              | 320        | 10.4       | 16.5       | 20.3       | 642                       | --                | --                | --              |
| 12/08/99                  | 96.91         | 86.18        | 10.73        | --             | 96.8               | 2.74       | <0.5       | <0.5       | <0.5       | <2.5                      | --                | --                | --              |
| 03/01/00                  | 96.91         | 84.31        | 12.60        | --             | <50                | 6.92       | <0.5       | <0.5       | <0.5       | 254                       | --                | --                | --              |
| 06/23/00                  | 96.91         | 83.98        | 12.93        | --             | 1,700 <sup>4</sup> | 490        | 7.5        | <5.0       | 7.7        | 770                       | --                | --                | --              |
| 09/30/00                  | 96.91         | 83.95        | 12.96        | --             | 2,000 <sup>4</sup> | 420        | 14         | <10        | <10        | 380                       | --                | --                | --              |
| 12/08/00                  | 96.91         | 83.98        | 12.93        | --             | 984                | 54.9       | <2.50      | 4.15       | <2.50      | 306                       | --                | --                | --              |
| 03/01/01                  | 96.91         | 84.15        | 12.76        | --             | <50.0              | 4.16       | <0.500     | <0.500     | <0.500     | 245                       | --                | --                | --              |
| 06/19/01                  | 96.91         | 83.23        | 13.68        | --             | 1,700 <sup>4</sup> | 250        | 9.2        | <5.0       | 6.9        | 410                       | --                | --                | --              |
| 09/18/01                  | 96.91         | 83.96        | 12.95        | --             | 1,700              | 42         | 1.9        | 2.0        | 2.9        | 280                       | --                | --                | --              |
| 12/26/01                  | 96.91         | 83.88        | 13.03        | --             | <50                | 0.50       | <0.50      | <0.50      | <1.5       | 120                       | --                | --                | --              |
| 03/06/02                  | 97.81         | 84.82        | 12.99        | --             | 670                | 170        | 2.5        | <0.50      | <1.5       | 410                       | --                | --                | --              |
| 06/21/02                  | 97.81         | 84.10        | 13.71        | --             | 1,800              | 120        | 7.3        | 2.0        | 3.1        | 440                       | --                | --                | --              |
| 09/27/02                  | 97.81         | 82.51        | 15.30        | --             | 180                | 11         | 1.0        | <0.50      | <1.5       | 4,700                     | --                | --                | --              |
| 12/26/02                  | 97.81         | 84.81        | 13.00        | --             | <50                | <0.50      | <0.50      | <0.50      | <1.5       | 160                       | --                | --                | --              |
| 03/28/03                  | 97.81         | 84.46        | 13.35        | --             | 580                | 88         | 2.2        | 22         | 12         | 280                       | --                | --                | --              |
| 06/16/03 <sup>11</sup>    | 97.81         | 83.10        | 14.71        | --             | 200                | 1          | 29         | <0.5       | <0.5       | 1,400                     | --                | --                | --              |
| 09/15/03 <sup>11,13</sup> | 97.81         | 82.78        | 15.03        | --             | 130                | <1         | <1         | <1         | <1         | 2,400                     | --                | --                | --              |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-9708  
5910 MacArthur Boulevard  
Oakland, California

| WELL ID/<br>DATE          | TOC*<br>(%) | GWE<br>(msl) | DTW<br>(ft.) | TPH-D<br>(ppb)      | TPH-G<br>(ppb)    | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | 1,2-DCB♦<br>(ppb) | 1,2-DCA♦<br>(ppb) | HVOCs♦<br>(ppb)      |
|---------------------------|-------------|--------------|--------------|---------------------|-------------------|------------|------------|------------|------------|---------------|-------------------|-------------------|----------------------|
| <b>MW-3</b>               |             |              |              |                     |                   |            |            |            |            |               |                   |                   |                      |
| 05/29/97                  | 97.86       | 86.41        | 11.45        | --                  | --                | --         | --         | --         | --         | --            | --                | --                | --                   |
| 06/04/97 <sup>3</sup>     | 97.86       | 86.58        | 11.28        | 1200                | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <5.0          | ND                | 1.0               | --                   |
| 09/16/97                  | 97.86       | 85.67        | 12.19        | 2,700 <sup>1</sup>  | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <5.0          | --                | --                | --                   |
| 12/17/97                  | 97.86       | 87.06        | 10.80        | 1,200 <sup>1</sup>  | <50               | 0.9        | 0.53       | <0.5       | <0.5       | <2.5          | --                | --                | --                   |
| 03/18/98                  | 97.86       | 86.98        | 10.88        | 820 <sup>1</sup>    | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --                   |
| 06/28/98                  | 97.86       | 86.26        | 11.60        | 1,100 <sup>1</sup>  | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | 0.99              | ND                | <0.5-<5.0            |
| 09/07/98                  | 97.86       | 85.64        | 12.22        | 1,100 <sup>1</sup>  | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | 0.79              | 0.54              | --                   |
| 12/29/98                  | 97.86       | 86.06        | 11.80        | 1,760 <sup>1</sup>  | 185               | <0.5       | <0.5       | <0.5       | 0.669      | <2.0          | 1.04              | 0.578             | <0.5-<5.0            |
| 03/11/99                  | 97.86       | 86.83        | 11.03        | 1440                | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <2.0          | <1.0              | <1.0              | <1.0-<20             |
| 05/04/99                  | 97.86       | 86.43        | 11.43        | --                  | --                | --         | --         | --         | --         | --            | --                | --                | --                   |
| 06/29/99                  | 97.86       | 85.71        | 12.15        | 690 <sup>1</sup>    | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <5.0          | 0.754             | <0.5              | <0.5-<5.0            |
| 09/29/99                  | 97.86       | INACCESSIBLE |              | --                  | --                | --         | --         | --         | --         | --            | --                | --                | --                   |
| 12/08/99                  | 97.86       | 88.43        | 9.43         | 1,000 <sup>1</sup>  | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | <0.5              | 0.66              | <0.5-<5.0            |
| 03/01/00                  | 97.86       | 87.16        | 10.70        | --                  | <50               | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | 0.821             | 0.984             | <0.5-<5.0            |
| 06/23/00                  | 97.86       | 85.96        | 11.90        | 2,600 <sup>5</sup>  | <50               | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | <2.0              | <2.0              | <0.5-<2.0            |
| 09/30/00                  | 97.86       | 85.45        | 12.41        | 1,100 <sup>5</sup>  | <50               | <0.50      | 0.61       | <0.50      | 0.82       | 2.7           | <2.0              | <2.0              | <0.50-<2.0           |
| 12/08/00                  | 97.86       | 85.78        | 12.08        | 870 <sup>5</sup>    | <50.0             | <0.500     | <0.500     | <0.500     | <0.500     | <2.50         | <2.0              | <2.0              | <0.50-<10            |
| 03/01/01                  | 97.86       | 87.09        | 10.77        | 1,060 <sup>6</sup>  | 60.9 <sup>7</sup> | <0.500     | <0.500     | <0.500     | <0.500     | <2.50         | 0.545             | 0.528             | <0.500-<5.00         |
| 06/19/01                  | 97.86       | 85.87        | 11.99        | 120 <sup>5</sup>    | <50               | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | <1.2              | <1.6              | <0.50-<2.0           |
| 09/18/01                  | 97.86       | 85.19        | 12.67        | 4,800               | <50               | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | <1 <sup>8</sup>   | <2 <sup>8</sup>   | <1-<2 <sup>8</sup>   |
| 12/26/01                  | 97.86       | 86.92        | 10.94        | 5,000               | <50               | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | <1 <sup>8</sup>   | <2 <sup>8</sup>   | <1-<2.0 <sup>8</sup> |
| 03/06/02                  | 98.78       | 87.20        | 11.58        | 30,000              | <50               | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | <1 <sup>8</sup>   | <2 <sup>8</sup>   | <1-<2.0 <sup>8</sup> |
| 06/21/02                  | 98.78       | 86.23        | 12.55        | 3,800 <sup>10</sup> | <50               | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | <1 <sup>8</sup>   | <2 <sup>8</sup>   | <1-<2.0 <sup>8</sup> |
| 09/27/02                  | 98.78       | 85.93        | 12.85        | 2,000               | <50               | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | <1 <sup>8</sup>   | <2 <sup>8</sup>   | <1-<2.0 <sup>8</sup> |
| 12/26/02                  | 98.78       | 87.87        | 10.91        | 3,600               | <50               | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | <1 <sup>8</sup>   | <2 <sup>8</sup>   | <1-<2.0 <sup>8</sup> |
| 03/28/03                  | 98.78       | 86.77        | 12.01        | 2,100               | <50               | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | <1 <sup>8</sup>   | <1 <sup>8</sup>   | <0.8-<2 <sup>8</sup> |
| 06/16/03 <sup>11</sup>    | 98.78       | 86.79        | 11.99        | 2,400               | <50               | <0.5       | <0.5       | <0.5       | <1         | <0.5          | <1 <sup>8</sup>   | 0.8 <sup>8</sup>  | <0.5-<2 <sup>8</sup> |
| 09/15/03 <sup>11,12</sup> | 98.78       | 86.07        | 12.71        | 4,300               | <50               | <0.5       | <0.5       | <0.5       | <1         | <0.5          | <1 <sup>8</sup>   | 0.8 <sup>8</sup>  | <0.8-<2 <sup>8</sup> |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-9708  
5910 MacArthur Boulevard  
Oakland, California

| WELL ID/<br>DATE          | TOC*<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | TPH-D<br>(ppb) | TPH-G<br>(ppb)   | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | 1,2-DCB◆<br>(ppb) | 1,2-DCA◆<br>(ppb) | HVOCs◆<br>(ppb) |
|---------------------------|---------------|--------------|--------------|----------------|------------------|------------|------------|------------|------------|---------------|-------------------|-------------------|-----------------|
| <b>MW-4</b>               |               |              |              |                |                  |            |            |            |            |               |                   |                   |                 |
| 05/04/99                  | 96.25         | 83.66        | 12.59        | --             | 140              | <0.5       | 0.62       | 0.67       | 2.6        | <2.5          | --                | --                | --              |
| 06/29/99                  | 96.25         | 83.64        | 12.61        | --             | 183              | <0.5       | <0.5       | 1.1        | <0.5       | <5.0          | --                | --                | --              |
| 09/29/99                  | 96.25         | 83.70        | 12.55        | --             | 64.3             | <0.5       | <0.5       | <0.5       | 1.18       | <2.5          | --                | --                | --              |
| 12/08/99                  | 96.25         | 83.81        | 12.44        | --             | 91.2             | 0.589      | <0.5       | 0.52       | <0.5       | 86            | --                | --                | --              |
| 03/01/00                  | 96.25         | 84.55        | 11.70        | --             | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 06/23/00                  | 96.25         | 84.12        | 12.13        | --             | <50              | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --                | --                | --              |
| 09/30/00                  | 96.25         | 84.30        | 11.95        | --             | <50              | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --                | --                | --              |
| 12/08/00                  | 96.25         | 83.85        | 12.40        | --             | <50.0            | <0.500     | <0.500     | <0.500     | <0.500     | <2.50         | --                | --                | --              |
| 03/01/01                  | 96.25         | INACCESSIBLE |              | --             | --               | --         | --         | --         | --         | --            | --                | --                | --              |
| 06/19/01                  | 96.25         | 82.83        | 13.42        | --             | 210 <sup>7</sup> | 7.6        | 1.4        | <0.50      | <0.50      | 10            | --                | --                | --              |
| 09/18/01                  | 96.25         | 83.17        | 13.08        | --             | <50              | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 12/26/01                  | 96.25         | 83.36        | 12.89        | --             | <50              | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 03/06/02                  | 97.14         | 84.06        | 13.08        | --             | <50              | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 06/21/02                  | 97.14         | 83.63        | 13.51        | --             | <50              | <0.50      | 12         | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 09/27/02                  | 97.14         | 83.47        | 13.67        | --             | 110              | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 12/26/02                  | 97.14         | 84.12        | 13.02        | --             | <50              | <0.50      | 2.6        | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 03/28/03                  | 97.14         | 83.71        | 13.43        | --             | <50              | <0.50      | <0.50      | <0.50      | <1.5       | 18            | --                | --                | --              |
| 06/16/03 <sup>11</sup>    | 97.14         | 83.10        | 14.04        | --             | 250              | <0.5       | 31         | <0.5       | <0.5       | <0.5          | --                | --                | --              |
| 09/15/03 <sup>11,12</sup> | 97.14         | 82.93        | 14.21        | --             | 220              | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | --                | --                | --              |
| <b>MW-5</b>               |               |              |              |                |                  |            |            |            |            |               |                   |                   |                 |
| 03/06/02 <sup>9</sup>     | 95.71         | 84.31        | 11.40        | --             | 4,900            | 18         | 2.7        | 29         | 9.8        | 290           | --                | --                | --              |
| 06/21/02                  | 95.71         | 83.29        | 12.42        | --             | 1,400            | 3.6        | 1.4        | <0.50      | 1.6        | 190           | --                | --                | --              |
| 09/27/02                  | 95.71         | 83.00        | 12.71        | --             | 540              | 1.3        | <0.50      | <0.50      | <1.5       | 190           | --                | --                | --              |
| 12/26/02                  | 95.71         | 85.55        | 10.16        | --             | 2,600            | 5.0        | 0.86       | 3.6        | 3.7        | 170           | --                | --                | --              |
| 03/28/03                  | 95.71         | 84.25        | 11.46        | --             | 920              | 3.8        | <0.50      | 2.1        | 1.7        | 160           | --                | --                | --              |
| 06/16/03 <sup>11</sup>    | 95.71         | 83.92        | 11.79        | --             | 600              | 3          | 0.9        | 0.7        | 0.9        | 150           | --                | --                | --              |
| 09/15/03 <sup>11,12</sup> | 95.71         | 83.28        | 12.43        | --             | 760              | <0.5       | <0.5       | <0.5       | <0.5       | 180           | --                | --                | --              |



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-9708  
5910 MacArthur Boulevard  
Oakland, California

| WELL ID/<br>DATE          | TOC*<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | TPH-D<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | 1,2-DCB♦<br>(ppb) | 1,2-DCA♦<br>(ppb) | HVOCs♦<br>(ppb) |
|---------------------------|---------------|--------------|--------------|----------------|----------------|------------|------------|------------|------------|---------------|-------------------|-------------------|-----------------|
| <b>MW-6</b>               |               |              |              |                |                |            |            |            |            |               |                   |                   |                 |
| 03/06/02 <sup>9</sup>     | 95.84         | 85.67        | 10.17        | --             | 220            | <0.50      | <0.50      | <0.50      | <1.5       | 53            | --                | --                | --              |
| 06/21/02                  | 95.84         | 84.86        | 10.98        | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 15            | --                | --                | --              |
| 09/27/02                  | 95.84         | 84.61        | 11.23        | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 11            | --                | --                | --              |
| 12/26/02                  | 95.84         | 87.47        | 8.37         | --             | 57             | <0.50      | <0.50      | <0.50      | <1.5       | 19            | --                | --                | --              |
| 03/28/03                  | 95.84         | 85.53        | 10.31        | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | 11            | --                | --                | --              |
| 06/16/03 <sup>11</sup>    | 95.84         | 85.50        | 10.34        | --             | <50            | <0.5       | 0.6        | <0.5       | <0.5       | 5             | --                | --                | --              |
| 09/15/03 <sup>11,12</sup> | 95.84         | 84.84        | 11.00        | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 6             | --                | --                | --              |
| <b>TRIP BLANK</b>         |               |              |              |                |                |            |            |            |            |               |                   |                   |                 |
| 06/04/97                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <5.0          | --                | --                | --              |
| 09/16/97                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <5.0          | --                | --                | --              |
| 12/17/97                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 03/18/98                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 06/28/98                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 09/07/98                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 09/07/98                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 12/29/98                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.0          | --                | --                | --              |
| 03/11/99                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.0          | --                | --                | --              |
| 05/04/99                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 06/29/99                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <5.0          | --                | --                | --              |
| 09/29/99                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 12/08/99                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 03/01/00                  | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --                | --                | --              |
| 06/23/00                  | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --                | --                | --              |
| 09/30/00                  | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --                | --                | --              |
| 12/08/00                  | --            | --           | --           | --             | <50.0          | <0.500     | <0.500     | <0.500     | <0.500     | <2.50         | --                | --                | --              |
| 03/01/01                  | --            | --           | --           | --             | <50.0          | <0.500     | <0.500     | <0.500     | <0.500     | <2.50         | --                | --                | --              |
| 06/19/01                  | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <0.50      | <2.5          | --                | --                | --              |
| 09/18/01                  | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-9708  
 5910 MacArthur Boulevard  
 Oakland, California

| WELL ID/<br>DATE       | TOC*<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | TPH-D<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | 1,2-DCB♦<br>(ppb) | 1,2-DCA♦<br>(ppb) | HVOCs♦<br>(ppb) |
|------------------------|---------------|--------------|--------------|----------------|----------------|------------|------------|------------|------------|---------------|-------------------|-------------------|-----------------|
| QA                     |               |              |              |                |                |            |            |            |            |               |                   |                   |                 |
| 12/26/01               | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 03/06/02               | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 06/21/02               | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 09/27/02               | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 12/26/02               | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 03/28/03               | --            | --           | --           | --             | <50            | <0.50      | <0.50      | <0.50      | <1.5       | <2.5          | --                | --                | --              |
| 06/16/03 <sup>11</sup> | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | --                | --                | --              |
| 09/15/03 <sup>11</sup> | --            | --           | --           | --             | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <0.5          | --                | --                | --              |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-9708  
 5910 MacArthur Boulevard  
 Oakland, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

|  |  |  |
|--|--|--|
| TOC = Top of Casing                          | TPH-G = Total Petroleum Hydrocarbons as Gasoline | 1,2-DCB = 1,2-Dichlorobenzene                  |
| (ft.) = Feet                                 | B = Benzene                                      | 1,2-DCA = 1,2-Dichloroethane                   |
| GWE = Groundwater Elevation                  | T = Toluene                                      | HVOCs = Halogenated Volatile Organic Compounds |
| (msl) = Mean sea level                       | E = Ethylbenzene                                 | ND = Not Detected                              |
| DTW = Depth to Water                         | X = Xylenes                                      | -- = Not Measured/Not Analyzed                 |
| TPH-D Total Petroleum Hydrocarbons as Diesel | MTBE = Methyl tertiary butyl ether               | QA = Quality Assurance/Trip Blank              |

\* TOC elevations were surveyed in February 2002, by Morrow Surveying. Elevations are based on City of Oakland Benchmark; a standard city of Oakland disc stamped "SEC 50 STA F" set under a standard casting on the monument line of Camden Street and 72 feet westerly of the monument at Seminary and Camden. (Elevation = 90.63 feet).

◆ Analysis by EPA Method 8010.

1 Chromatogram pattern indicates an unidentified hydrocarbon.

2 Confirmation run.

3 Sample also analyzed for the following: Total Oil & Grease by EPA Method 5520F was ND; Semivolatile Organics by EPA Method 8270B were ND; Volatile Organics by EPA Method 8010B were ND.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates unidentified hydrocarbons >C16.

6 Laboratory report indicates unidentified hydrocarbons C9-C24.

7 Laboratory report indicates unidentified hydrocarbons C6-C12.

8 Volatile Organic Compounds (VOCs) by EPA Method 8260.

9 Well development performed.

10 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.

11 BTEX and MTBE by EPA Method 8260.

12 Ethanol by EPA Method 8260 was reported as <50 ppb.

13 Ethanol by EPA Method 8260 was reported as <130 ppb.

## 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 Chevron Products 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 #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9/15/03 (inclusive)  
 City: Oakland, CA Sampler: TONY C.

Well ID: MW-1 Date Monitored: 9/15/03 Well Condition: O.K.  
 Well Diameter: 2 in.  
 Total Depth: 20.26 ft.  
 Depth to Water: 10.31 ft.  
 Volume Factor (VF): 7.95 x VF .17 = 1.35 x3 (case volume) = Estimated Purge Volume: 4 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 / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1756 Weather Conditions: SUNNY  
 Sample Time/Date: 1310 9/15/03 Water Color: CLOUDY Odor: YES  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (umhos/cm) | Temperature (°F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|-------------------------|------------------|-------------|----------|
| <u>1300</u>     | <u>1.2</u>    | <u>6.90</u> | <u>1189</u>             | <u>22.1</u>      |             |          |
| <u>1302</u>     | <u>3.0</u>    | <u>6.83</u> | <u>1172</u>             | <u>21.3</u>      |             |          |
| <u>1305</u>     | <u>4.0</u>    | <u>6.84</u> | <u>1168</u>             | <u>21.5</u>      |             |          |
|                 |               |             |                         |                  |             |          |

### LABORATORY INFORMATION

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

COMMENTS: RE-THREADED BOLT HOLES IN FLANGES AND ADDED 3-NEW 9/16 BOLTS - USED WIRE BRUSH TO CLEAN DIRT AND RUST OF RIM AND RE-INSTALLED O-RING TO ENSURE PROPER SEAL.

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: 1 Size: 2"



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9/15/03 (inclusive)  
 City: Oakland, CA Sampler: TONY C.

Well ID: MW-2 Date Monitored: 9/15/03 Well Condition: O.K.  
 Well Diameter: 2 in.  
 Total Depth: 20.21 ft.  
 Depth to Water: 15.03 ft.  
 $5.18 \times VF .17 = .88 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } 2\frac{1}{2} \text{ gal.}$

|             |            |          |          |           |
|-------------|------------|----------|----------|-----------|
| 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: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1330 Weather Conditions: Partly Cloudy  
 Sample Time/Date: 1345 / 9/15/03 Water Color: CLOUDY Odor: YES  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (umhos/cm) | Temperature (°F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|-------------------------|------------------|-------------|----------|
| <u>1332</u>     | <u>1</u>      | <u>6.97</u> | <u>1088</u>             | <u>22.9</u>      |             |          |
| <u>1334</u>     | <u>2</u>      | <u>6.92</u> | <u>1079</u>             | <u>22.4</u>      |             |          |
| <u>1338</u>     | <u>2 1/2</u>  | <u>6.90</u> | <u>1078</u>             | <u>22.3</u>      |             |          |
|                 |               |             |                         |                  |             |          |
|                 |               |             |                         |                  |             |          |

### LABORATORY INFORMATION

| SAMPLE ID   | (#) CONTAINER       | REFRIG.    | PRESERV. TYPE | LABORATORY       | ANALYSES   |
|-------------|---------------------|------------|---------------|------------------|--|
| <u>MW-2</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>MW-</u>  | <u>1</u> x amber    | <u>YES</u> | <u>NP</u>     | <u>LANCASTER</u> | <u>TPH-D</u>                                     |
| <u>MW-</u>  | <u>1</u> x vov vial | <u>YES</u> | <u>HCL</u>    | <u>LANCASTER</u> | <u>HVOC's(8260)</u>                              |
|             |                     |            |               |                  |  |

\* COMMENTS: RE-THREADED ALL 3-BOLT HOLES AND REPLACED 3- 9/16" BOLTS USED WIRE BRUSH TO REMOVE DIRT AND RUST FROM RIM AND RE-INSTALLED O-RING TO ENSURE PROPER SEAL.

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708  
 Site Address: 5910 Macarthur Blvd.  
 City: Oakland, CA

Job Number: 386395  
 Event Date: 9/15/03 (inclusive)  
 Sampler: Tony C.

Well ID: MW-3  
 Well Diameter: 2 in.  
 Total Depth: 20.13 ft.  
 Depth to Water: 12.91 ft.  
7.42 xVF .17 = 1.26 x3 (case volume) = Estimated Purge Volume: 3 1/2 gal.

Date Monitored: 9/15/03 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 |

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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1216 Weather Conditions: Sunny  
 Sample Time/Date: 1235 9/15/03 Water Color: CLOUDY Odor: YES  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: GREEN  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (u mhos/cm) | Temperature (°F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|--------------------------|------------------|-------------|----------|
| <u>1219</u>     | <u>1</u>      | <u>6.92</u> | <u>1282</u>              | <u>22.1</u>      | _____       | _____    |
| <u>1222</u>     | <u>2</u>      | <u>6.81</u> | <u>1264</u>              | <u>22.0</u>      | _____       | _____    |
| <u>1225</u>     | <u>3 1/2</u>  | <u>6.83</u> | <u>1263</u>              | <u>22.0</u>      | _____       | _____    |
| _____           | _____         | _____       | _____                    | _____            | _____       | _____    |

### LABORATORY INFORMATION

| SAMPLE ID | (#) CONTAINER       | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES                                 |
|-----------|---------------------|---------|---------------|------------|--|
| MW-3      | <u>6</u> x voa vial | YES     | HCL           | LANCASTER  | TPH-G(8015)/BTX+MTBE(8260)/ETHANOL(8260) |
| MW-3      | <u>2</u> x amber    | YES     | NP            | LANCASTER  | TPH-D                                    |
| MW-3      | <u>3</u> x voa vial | YES     | HCL           | LANCASTER  | HVOC's(8260)                             |
| _____     | _____               | _____   | _____         | _____      | _____                                    |

\*COMMENTS: RE-THREADED BOLT HOLES IN FLANGES AND ADDED 3-NEW 9/16 BOLTS. USED WIRE BRUSH TO CLEAN DIRT FROM RIM AND RE INSTALLED O-RING TO ENSURE PROPER SEAL.

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

Add/Replaced Plug: 1 Size: 2"



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9/15/03 (inclusive)  
 City: Oakland, CA Sampler: Tanya C.

Well ID: MW-4 Date Monitored: 9/15/03 Well Condition: O.K.  
 Well Diameter: 2 in.  
 Total Depth: 19.66 ft.  
 Depth to Water: 14.21 ft.  
 $5.45 \times VF .17 = .92 \times 3$  (case volume) = Estimated Purge Volume: 2 1/2 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 / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1405 Weather Conditions: Partly Cloudy  
 Sample Time/Date: 1420 9/15/03 Water Color: Cloudy Odor: gas  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH          | Conductivity (umhos/cm) | Temperature (°F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|-------------|-------------------------|------------------|-------------|----------|
| <u>1408</u>     | <u>1</u>      | <u>6.99</u> | <u>1198</u>             | <u>22.7</u>      |             |          |
| <u>1410</u>     | <u>2</u>      | <u>6.93</u> | <u>1190</u>             | <u>22.2</u>      |             |          |
| <u>1412</u>     | <u>2 1/2</u>  | <u>6.90</u> | <u>1188</u>             | <u>22.1</u>      |             |          |
|                 |               |             |                         |                  |             |          |

### LABORATORY INFORMATION

| SAMPLE ID   | (#) CONTAINER       | REFRIG.    | PRESERV. TYPE | LABORATORY       | ANALYSES   |
|-------------|---------------------|------------|---------------|------------------|--|
| <u>MW-4</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>MW-</u>  | <u>x amber</u>      | <u>YES</u> | <u>NP</u>     | <u>LANCASTER</u> | <u>TPH-D</u>                                     |
| <u>MW-</u>  | <u>x vov vial</u>   | <u>YES</u> | <u>HCL</u>    | <u>LANCASTER</u> | <u>HVOC's(8260)</u>                              |
|             |                     |            |               |                  |  |

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

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





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9/15/03 (inclusive)  
 City: Oakland, CA Sampler: Tom C.

Well ID: MW-5 Date Monitored: 9/15/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 18.71 ft.  
 Depth to Water: 12.43 ft.  
6.28 x VF 1.17 = 1.06 x3 (case volume) = Estimated Purge Volume: 3 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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1128 Weather Conditions: SUNNY  
 Sample Time/Date: 1142 9/15/03 Water Color: LG. BROWN Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

| Time (2400 hr.) | Volume (gal.) | pH           | Conductivity (umhos/cm) | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|-----------------|---------------|--------------|-------------------------|-------------------|-------------|----------|
| <u>1130</u>     | <u>1</u>      | <u>10.86</u> | <u>1218</u>             | <u>21.2</u>       | _____       | _____    |
| <u>1133</u>     | <u>2</u>      | <u>10.80</u> | <u>1210</u>             | <u>20.6</u>       | _____       | _____    |
| <u>1136</u>     | <u>3</u>      | <u>10.81</u> | <u>1210</u>             | <u>20.8</u>       | _____       | _____    |
| _____           | _____         | _____        | _____                   | _____             | _____       | _____    |

### LABORATORY INFORMATION

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES                                  |
|-----------|---------------|---------|---------------|------------|---|
| MW-5      | 6 x voa vial  | YES     | HCL           | LANCASTER  | TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260) |
| MW-       | x amber       | YES     | NP            | LANCASTER  | TPH-D                                     |
| MW-       | x voa vial    | YES     | HCL           | LANCASTER  | HVOC's(8260)                              |
| _____     | _____         | _____   | _____         | _____      | _____                                     |

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

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: 1 Size: 2"



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708  
 Site Address: 5910 Macarthur Blvd.  
 City: Oakland, CA

Job Number: 386395  
 Event Date: 9/15/03 (inclusive)  
 Sampler: Tony C.

Well ID: MW-6 Date Monitored: 9/15/03 Well Condition: O.K.

Well Diameter: 2 in.

Total Depth: 18.87 ft.

Depth to Water: 11.00 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 |

7.87 xVF .17 = 1.33 x3 (case volume) = Estimated Purge Volume: 4 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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1045 Weather Conditions: SUNNY  
 Sample Time/Date: 1102 9/15/03 Water Color: CLOUDY Odor: NO  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO 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>1048</u>     | <u>1 1/2</u>  | <u>6.99</u> | <u>1142</u>              | <u>21.9</u>       | _____       | _____    |
| <u>1051</u>     | <u>3.0</u>    | <u>6.86</u> | <u>1130</u>              | <u>21.3</u>       | _____       | _____    |
| <u>1054</u>     | <u>4.0</u>    | <u>6.82</u> | <u>1134</u>              | <u>21.2</u>       | _____       | _____    |
| _____           | _____         | _____       | _____                    | _____             | _____       | _____    |

### LABORATORY INFORMATION

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

### COMMENTS:

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

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

# Chevron California Region Analysis Request/Chain of Custody



091703-010

Acc. # 10904

For Lancaster Laboratories use only  
Sample #: 4124491-47

SCR#: \_\_\_\_\_  
Gr. # 867503

Facility #: SS#9-9708 G-R#386395 Global ID#T0600102093  
 Site Address: 5910 MACARTHUR BLVD., OAKLAND, CA  
 Chevron PM: KS Lead Consultant: CAMBRIA  
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568  
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)  
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899  
 Sampler: TONY CAMARDA  
 Service Order #: \_\_\_\_\_  Non SAR:

| Matrix |       | Analyses Requested |     |                            |                          |                          |                          |                          |          |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
|--------|-------|--------------------|-----|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|        |       | Preservation Codes |     |                            |                          |                          |                          |                          |          |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |                                     |
| Soil   | Water | Oil                | Air | Total Number of Containers | BTEX + MTBE              | 8260                     | 8021                     | TPH                      | 8015 MOD | GRO                                 | TPH                                 | 8015 MOD                            | DRO                                 | Silica Gel Cleanup                  | 8260 full scan                      | Oxygenates                          | Lead                                | 7420                                | 7421                                | ETHANOL                             | 8260                                | HVOC's                              | 8260                                |                                     |
|        |       |                    |     |                            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |          | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

**Preservative Codes**  
 H = HCl      T = Thiosulfate  
 N = HNO<sub>3</sub>    B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>   O = Other

J value reporting needed  
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation  
 Confirm highest hit by 8260  
 Confirm all hits by 8260  
 Run \_\_\_ oxy s on highest hit  
 Run \_\_\_ oxy s on all hits

| Sample Identification | Date Collected | Time Collected | Grab                                | Composite                | Soil                                | Water                               | Oil                      | Air                      | Total Number of Containers | BTEX + MTBE                         | 8260                                | 8021                                | TPH                                 | 8015 MOD                            | GRO                                 | TPH                                 | 8015 MOD                            | DRO                                 | Silica Gel Cleanup                  | 8260 full scan                      | Oxygenates                          | Lead                                | 7420                                | 7421                                | ETHANOL                             | 8260                                | HVOC's                              | 8260                                |
|-----------------------|----------------|----------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <u>QA</u>             | <u>9/15/03</u> | <u>---</u>     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>2</u>                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <u>MW-1</u>           | <u> </u>       | <u>1310</u>    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>6</u>                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <u>MW-2</u>           | <u> </u>       | <u>1345</u>    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>6</u>                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <u>MW-3</u>           | <u> </u>       | <u>1235</u>    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>11</u>                  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <u>MW-4</u>           | <u> </u>       | <u>1420</u>    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>6</u>                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <u>MW-5</u>           | <u> </u>       | <u>1142</u>    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>6</u>                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <u>MW-6</u>           | <u>↓</u>       | <u>1107</u>    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>6</u>                   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

**Comments / Remarks**

**Turnaround Time Requested (TAT) (please circle)**  
 STD. TAT      72 hour      48 hour  
 24 hour      4 day      5 day

**Data Package Options (please circle if required)**  
 QC Summary      Type I — Full  
 Type VI (Raw Data)       Coelt Deliverable not needed  
 WIP (RWQCB)  
 Disk

|   |  |                   |   |                      |                   |
|---|--|-------------------|---|----------------------|-------------------|
| Relinquished by: <u>[Signature]</u>   | Date: <u>9-15-03</u>                   | Time: <u>1545</u> | Received by: <u>[Signature]</u>   | Date: <u>9/17/03</u> | Time: <u>1230</u> |
| Relinquished by: <u>[Signature]</u>   | Date: <u>9/17/03</u>                   | Time: <u>1230</u> | Received by: <u>[Signature]</u>   | Date: <u>9/17/03</u> | Time: <u>1230</u> |
| Relinquished by: <u>[Signature]</u>   | Date: <u>9/17/03</u>                   | Time: <u>1530</u> | Received by: <u>[Signature]</u>   | Date: <u>9/17/03</u> | Time: <u>1530</u> |
| Relinquished by Commercial Carrier:<br>UPS      FedEx      other <u>[Signature]</u> | Temperature Upon Receipt <u>21.5°C</u> |                   | Received by: <u>[Signature]</u>   | Date: <u>9/17/03</u> | Time: <u>07</u>   |
|   |  |                   | Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |                      |                   |

## 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 867503. Samples arrived at the laboratory on Thursday, September 18, 2003. The PO# for this group is 99011184 and the release number is STREICH.

| <u>Client Description</u> |            | <u>Lancaster Labs Number</u> |
|---------------------------|------------|------------------------------|
| QA-T-030915               | NA Water   | 4124441                      |
| MW-1-W-030915             | Grab Water | 4124442                      |
| MW-2-W-030915             | Grab Water | 4124443                      |
| MW-3-W-030915             | Grab Water | 4124444                      |
| MW-4-W-030915             | Grab Water | 4124445                      |
| MW-5-W-030915             | Grab Water | 4124446                      |
| MW-6-W-030915             | Grab Water | 4124447                      |

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

Attn: Cheryl Hansen

Attn: Deanna L. Harding

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

Respectfully Submitted,



Victoria M. Martell  
Chemist

Lancaster Laboratories Sample No. WW 4124441

Collected: 09/15/2003 00:00

Account Number: 10904

Submitted: 09/18/2003 09:55

ChevronTexaco

Reported: 09/30/2003 at 14:32

6001 Bollinger Canyon Rd L4310

Discard: 10/31/2003

QA-T-030915

NA

Water

San Ramon CA 94583

Facility# 99708 Job# 386395

GRD

5910 Macarthur Oakland

T0600102093 QA

01MAC

| CAT No.   | Analysis Name               | CAS Number | As Received Result | As Received Method<br>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. |                             |            |                    |                                       |       |                 |
| 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 Date and Time | Analyst            | Dilution Factor |
|---------|----------------------|----------------------------|--------|------------------------|--------------------|-----------------|
| 01728   | TPH-GRO - Waters     | N. CA LUFT Gasoline Method | 1      | 09/22/2003 10:49       | Linda C Pape       | 1               |
| 06054   | BTEX+MTBE by 8260B   | SW-846 8260B               | 1      | 09/21/2003 18:46       | Elizabeth M Taylor | 1               |
| 01146   | GC VOA Water Prep    | SW-846 5030B               | 1      | 09/22/2003 10:49       | Linda C Pape       | n.a.            |
| 01163   | GC/MS VOA Water Prep | SW-846 5030B               | 1      | 09/21/2003 18:46       | Elizabeth M Taylor | n.a.            |

Lancaster Laboratories Sample No. **WW 4124442**

Collected: 09/15/2003 13:10 by TC

Account Number: 10904

Submitted: 09/18/2003 09:55

ChevronTexaco

Reported: 09/30/2003 at 14:33

6001 Bollinger Canyon Rd L4310

Discard: 10/31/2003

MW-1-W-030915

Grab Water

San Ramon CA 94583

Facility# 99708 Job# 386395

GRD

5910 Macarthur Oakland T0600102093 MW-1

MAC02

| CAT No.   | Analysis Name                  | CAS Number | As Received Result | As Received Method<br>Detection Limit | Units | Dilution Factor |
|---|--------------------------------|------------|--------------------|---------------------------------------|-------|-----------------|
| 01728   | TPH-GRO - Waters               | n.a.       | 53.                | 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>A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. |                                |            |                    |                                       |       |                 |
| 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  | 580.               | 5.                                    | ug/l  | 10              |
| 05401   | Benzene                        | 71-43-2    | 3.                 | 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 Date and Time | Analyst                   | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------------------|---------------------------|-----------------|
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1      | 09/22/2003 00:30       | K. Robert Caulfeild-James | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 09/24/2003 00:37       | Elizabeth M Taylor        | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 09/24/2003 01:03       | Elizabeth M Taylor        | 10              |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 09/22/2003 00:30       | K. Robert Caulfeild-James | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 09/24/2003 00:37       | Elizabeth M Taylor        | n.a.            |

Lancaster Laboratories Sample No. **WW 4124443**

Collected: 09/15/2003 13:45 by TC

Account Number: 10904

Submitted: 09/18/2003 09:55

ChevronTexaco

Reported: 09/30/2003 at 14:33

6001 Bollinger Canyon Rd L4310

Discard: 10/31/2003

MW-2-W-030915

Grab Water

San Ramon CA 94583

Facility# 99708 Job# 386395

GRD

5910 Macarthur Oakland T0600102093 MW-2

MAC03

| CAT No.   | Analysis Name                  | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|--------------------------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01728   | TPH-GRO - Waters               | n.a.       | 130.               | 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. |                                |            |                    |                                    |       |                 |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH |            |                    |                                    |       |                 |
| 01587   | Ethanol                        | 64-17-5    | N.D.               | 130.                               | ug/l  | 2.5             |
| 02010   | Methyl Tertiary Butyl Ether    | 1634-04-4  | 2,400.             | 13.                                | ug/l  | 25              |
| 05401   | Benzene                        | 71-43-2    | N.D.               | 1.                                 | ug/l  | 2.5             |
| 05407   | Toluene                        | 108-88-3   | N.D.               | 1.                                 | ug/l  | 2.5             |
| 05415   | Ethylbenzene                   | 100-41-4   | N.D.               | 1.                                 | ug/l  | 2.5             |
| 06310   | Xylene (Total)                 | 1330-20-7  | N.D.               | 1.                                 | ug/l  | 2.5             |
| 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 Date and Time | Analyst            | Dilution Factor |
|---------|--------------------------------|----------------------------|--------|------------------------|--------------------|-----------------|
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1      | 09/22/2003 18:57       | Linda C Pape       | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 09/24/2003 01:30       | Elizabeth M Taylor | 2.5             |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 09/24/2003 01:56       | Elizabeth M Taylor | 25              |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 09/22/2003 18:57       | Linda C Pape       | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 09/24/2003 01:30       | Elizabeth M Taylor | n.a.            |



Lancaster Laboratories Sample No. **WW 4124444**

Collected: 09/15/2003 12:35 by TC

Account Number: 10904

 Submitted: 09/18/2003 09:55  
 Reported: 09/30/2003 at 14:33  
 Discard: 10/31/2003

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310

MW-3-W-030915 Grab Water

San Ramon CA 94583

 Facility# 99708 Job# 386395 GRD  
 5910 Macarthur Oakland T0600102093 MW-3

MAC04

| 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.  |            |                    |                                    |       |                 |
| 05553   | TPH - DRO CA LUFT (Waters)   | n.a.       | 4,300.             | 270.                               | 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). |            |                    |                                    |       |                 |
| 05382   | EPA SW846/8260 (water)   |            |                    |                                    |       |                 |
| 05385   | Chloromethane  | 74-87-3    | N.D.               | 1.                                 | ug/l  | 1               |
| 05386   | Vinyl Chloride   | 75-01-4    | N.D.               | 1.                                 | ug/l  | 1               |
| 05387   | Bromomethane   | 74-83-9    | N.D.               | 1.                                 | ug/l  | 1               |
| 05388   | Chloroethane   | 75-00-3    | N.D.               | 1.                                 | ug/l  | 1               |
| 05389   | Trichlorofluoromethane   | 75-69-4    | N.D.               | 2.                                 | ug/l  | 1               |
| 05390   | 1,1-Dichloroethene   | 75-35-4    | N.D.               | 0.8                                | ug/l  | 1               |
| 05391   | Methylene Chloride   | 75-09-2    | N.D.               | 2.                                 | ug/l  | 1               |
| 05392   | trans-1,2-Dichloroethene   | 156-60-5   | N.D.               | 0.8                                | ug/l  | 1               |
| 05393   | 1,1-Dichloroethane   | 75-34-3    | N.D.               | 1.                                 | ug/l  | 1               |
| 05395   | cis-1,2-Dichloroethene   | 156-59-2   | N.D.               | 0.8                                | ug/l  | 1               |
| 05396   | Chloroform   | 67-66-3    | N.D.               | 0.8                                | ug/l  | 1               |
| 05398   | 1,1,1-Trichloroethane  | 71-55-6    | N.D.               | 0.8                                | ug/l  | 1               |
| 05399   | Carbon Tetrachloride   | 56-23-5    | N.D.               | 1.                                 | ug/l  | 1               |
| 05401   | Benzene  | 71-43-2    | N.D.               | 0.5                                | ug/l  | 1               |
| 05402   | 1,2-Dichloroethane   | 107-06-2   | 0.8                | 0.5                                | ug/l  | 1               |
| 05403   | Trichloroethene  | 79-01-6    | N.D.               | 1.                                 | ug/l  | 1               |
| 05404   | 1,2-Dichloropropane  | 78-87-5    | N.D.               | 1.                                 | ug/l  | 1               |
| 05406   | Bromodichloromethane   | 75-27-4    | N.D.               | 1.                                 | ug/l  | 1               |
| 05407   | Toluene  | 108-88-3   | N.D.               | 0.5                                | ug/l  | 1               |
| 05408   | 1,1,2-Trichloroethane  | 79-00-5    | N.D.               | 0.8                                | ug/l  | 1               |
| 05409   | Tetrachloroethene  | 127-18-4   | N.D.               | 0.8                                | ug/l  | 1               |
| 05411   | Dibromochloromethane   | 124-48-1   | N.D.               | 1.                                 | ug/l  | 1               |
| 05413   | Chlorobenzene  | 108-90-7   | N.D.               | 0.8                                | ug/l  | 1               |
| 05383   | EPA SW846/8260 (water) cont  |            |                    |                                    |       |                 |
| 05415   | Ethylbenzene   | 100-41-4   | N.D.               | 0.5                                | ug/l  | 1               |
| 05416   | m+p-Xylene   | 1330-20-7  | N.D.               | 0.5                                | ug/l  | 1               |
| 05417   | o-Xylene   | 95-47-6    | N.D.               | 0.5                                | ug/l  | 1               |
| 05419   | Bromoform  | 75-25-2    | N.D.               | 1.                                 | ug/l  | 1               |

Lancaster Laboratories Sample No. **WW 4124444**

Collected: 09/15/2003 12:35 by TC

Account Number: 10904

Submitted: 09/18/2003 09:55

ChevronTexaco

Reported: 09/30/2003 at 14:33

6001 Bollinger Canyon Rd L4310

Discard: 10/31/2003

MW-3-W-030915

Grab

Water

San Ramon CA, 94583

Facility# 99708 Job# 386395

GRD

5910 Macarthur Oakland T0600102093 MW-3

**MAC04**

| CAT No. | Analysis Name               | CAS Number | As Received Result | As Received            |       | Dilution Factor |
|---------|-----------------------------|------------|--------------------|------------------------|-------|-----------------|
|         |                             |            |                    | Method Detection Limit | Units |                 |
| 05421   | 1,1,2,2-Tetrachloroethane   | 79-34-5    | N.D.               | 1.                     | ug/l  | 1               |
| 05432   | 1,3-Dichlorobenzene         | 541-73-1   | N.D.               | 1.                     | ug/l  | 1               |
| 05433   | 1,4-Dichlorobenzene         | 106-46-7   | N.D.               | 1.                     | ug/l  | 1               |
| 05435   | 1,2-Dichlorobenzene         | 95-50-1    | N.D.               | 1.                     | ug/l  | 1               |
| 08202   | EPA SW 846/8260 - Water     |            |                    |                        |       |                 |
| 01587   | Ethanol                     | 64-17-5    | N.D.               | 50.                    | ug/l  | 1               |
| 02010   | Methyl Tertiary Butyl Ether | 1634-04-4  | N.D.               | 0.5                    | ug/l  | 1               |
| 06306   | trans-1,3-Dichloropropene   | 10061-02-6 | N.D.               | 1.                     | ug/l  | 1               |
| 06307   | cis-1,3-Dichloropropene     | 10061-01-5 | N.D.               | 1.                     | ug/l  | 1               |
| 08203   | Freon 113                   | 76-13-1    | N.D.               | 2.                     | 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 Method | 1      | 09/22/2003 19:27 |  | Linda C Pape       | 1               |
| 05553   | TPH - DRO CA LUFT (Waters)     | CALUFT-DRO/8015B, Modified | 1      | 09/25/2003 14:44 |  | Tracy A Cole       | 10              |
| 05382   | EPA SW846/8260 (water)         | SW-846 8260B               | 1      | 09/22/2003 17:33 |  | Seth J Good        | 1               |
| 05383   | EPA SW846/8260 (water) cont    | SW-846 8260B               | 1      | 09/22/2003 17:33 |  | Seth J Good        | 1               |
| 08202   | EPA SW 846/8260 - Water        | SW-846 8260B               | 1      | 09/22/2003 17:33 |  | Seth J Good        | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 09/22/2003 19:27 |  | Linda C Pape       | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 09/22/2003 17:33 |  | Seth J Good        | n.a.            |
| 02135   | Extraction - DRO Water Special | TPH by CA LUFT             | 1      | 09/21/2003 21:50 |  | David V Hershey Jr | 1               |

**Lancaster Laboratories Sample No. WW 4124445**

Collected: 09/15/2003 14:20 by TC

Account Number: 10904

 Submitted: 09/18/2003 09:55  
 Reported: 09/30/2003 at 14:33  
 Discard: 10/31/2003

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310

MW-4-W-030915 Grab Water

San Ramon CA 94583

 Facility# 99708 Job# 386395 GRD  
 5910 Macarthur Oakland T0600102093 MW-4

MAC05

| CAT No. | Analysis Name   | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---------|---|------------|--------------------|------------------------------------|-------|-----------------|
| 01728   | TPH-GRO - Waters  | n.a.       | 220.               | 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. |            |                    |                                    |       |                 |
| 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  | 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 and Time    |  |                    |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline | 1      | 09/22/2003 19:58 |  | Linda C Pape       | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B        | 1      | 09/24/2003 02:22 |  | Elizabeth M Taylor | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B        | 1      | 09/22/2003 19:58 |  | Linda C Pape       | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B        | 1      | 09/24/2003 02:22 |  | Elizabeth M Taylor | n.a.            |

Lancaster Laboratories Sample No. WW 4124446

Collected: 09/15/2003 11:42 by TC

Account Number: 10904

Submitted: 09/18/2003 09:55

ChevronTexaco

Reported: 09/30/2003 at 14:33

6001 Bollinger Canyon Rd L4310

Discard: 10/31/2003

MW-5-W-030915

Grab Water

San Ramon CA 94583

Facility# 99708 Job# 386395

GRD

5910 Macarthur Oakland T0600102093 MW-5

MAC06

| CAT No.   | Analysis Name                  | CAS Number | As Received Result | As Received         | Units | Dilution Factor |
|---|--------------------------------|------------|--------------------|---------------------|-------|-----------------|
|   |                                |            |                    | Method              |       |                 |
| 01728   | TPH-GRO - Waters               | n.a.       | 760.               | Detection Limit 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. |                                |            |                    |                     |       |                 |
| 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  | 180.               | 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 and Time    |                    |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1      | 09/22/2003 20:28 | Linda C Pape       | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1      | 09/24/2003 02:48 | Elizabeth M Taylor | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1      | 09/22/2003 20:28 | Linda C Pape       | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1      | 09/24/2003 02:48 | Elizabeth M Taylor | n.a.            |

**Lancaster Laboratories Sample No. WW 4124447**

Collected: 09/15/2003 11:02 by TC

Account Number: 10904

Submitted: 09/18/2003 09:55

ChevronTexaco

Reported: 09/30/2003 at 14:33

6001 Bollinger Canyon Rd L4310

Discard: 10/31/2003

MW-6-W-030915

Grab Water

San Ramon CA 94583

Facility# 99708 Job# 386395

GRD

5910 Macarthur Oakland T0600102093 MW-6

MAC07

| CAT No. | Analysis Name   | CAS Number | As Received | As Received | Units | Dilution Factor |
|---------|---|------------|-------------|-------------|-------|-----------------|
|         |   |            | Result      | Method      |       |                 |
| 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. |            |             |             |       |                 |
| 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  | 6.          | 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                     | Analysis |                  | Analyst            | Dilution Factor |
|---------|--------------------------------|----------------------------|----------|------------------|--------------------|-----------------|
|         |                                |                            | Trial#   | Date and Time    |                    |                 |
| 01728   | TPH-GRO - Waters               | N. CA LUFT Gasoline Method | 1        | 09/22/2003 20:59 | Linda C Pape       | 1               |
| 01594   | BTEX+5 Oxygenates+EDC+EDB+ETOH | SW-846 8260B               | 1        | 09/24/2003 19:25 | Elizabeth M Taylor | 1               |
| 01146   | GC VOA Water Prep              | SW-846 5030B               | 1        | 09/22/2003 20:59 | Linda C Pape       | n.a.            |
| 01163   | GC/MS VOA Water Prep           | SW-846 5030B               | 1        | 09/24/2003 19:25 | Elizabeth M Taylor | n.a.            |

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 09/30/03 at 02:33 PM

Group Number: 867503

### Laboratory Compliance Quality Control

| Analysis Name  | Blank Result                                       | Blank MDL | Report Units | LCS %REC | LCS D %REC | LCS/LCSD Limits | RPD | RPD Max |
|--|--|-----------|--------------|----------|------------|-----------------|-----|---------|
| Batch number: 032630008A<br>TPH - DRO CA LUFT (Waters) | N.D.   | 25.       | ug/l         | 65       |            | 40-140          |     |         |
| Batch number: 03263A16A<br>TPH-GRO - Waters            | N.D.   | 50.       | ug/l         | 105      | 107        | 70-130          | 2   | 30      |
| Batch number: 03264A16A<br>TPH-GRO - Waters            | N.D.   | 50.       | ug/l         | 107      | 108        | 70-130          | 1   | 30      |
| Batch number: N032651AA                                | Sample number(s): 4124444                          |           |              |          |            |                 |     |         |
| Ethanol  | N.D.   | 50.       | ug/l         | 122      |            | 46-145          |     |         |
| Methyl Tertiary Butyl Ether                            | N.D.   | 0.5       | ug/l         | 92       |            | 77-127          |     |         |
| Chloromethane  | N.D.   | 1.        | ug/l         | 106      |            | 69-136          |     |         |
| Vinyl Chloride   | N.D.   | 1.        | ug/l         | 100      |            | 71-129          |     |         |
| Bromomethane   | N.D.   | 1.        | ug/l         | 88       |            | 46-138          |     |         |
| Chloroethane   | N.D.   | 1.        | ug/l         | 96       |            | 59-133          |     |         |
| Trichlorofluoromethane                                 | N.D.   | 2.        | ug/l         | 95       |            | 59-137          |     |         |
| 1,1-Dichloroethene                                     | N.D.   | 0.8       | ug/l         | 100      |            | 79-130          |     |         |
| Methylene Chloride                                     | N.D.   | 2.        | ug/l         | 100      |            | 80-128          |     |         |
| trans-1,2-Dichloroethene                               | N.D.   | 0.8       | ug/l         | 99       |            | 81-124          |     |         |
| 1,1-Dichloroethane                                     | N.D.   | 1.        | ug/l         | 106      |            | 83-127          |     |         |
| cis-1,2-Dichloroethene                                 | N.D.   | 0.8       | ug/l         | 99       |            | 84-117          |     |         |
| Chloroform   | N.D.   | 0.8       | ug/l         | 101      |            | 86-124          |     |         |
| 1,1,1-Trichloroethane                                  | N.D.   | 0.8       | ug/l         | 95       |            | 83-127          |     |         |
| Carbon Tetrachloride                                   | N.D.   | 1.        | ug/l         | 84       |            | 77-130          |     |         |
| Benzene  | N.D.   | 0.5       | ug/l         | 106      |            | 85-117          |     |         |
| 1,2-Dichloroethane                                     | N.D.   | 0.5       | ug/l         | 107      |            | 77-132          |     |         |
| Trichloroethene  | N.D.   | 1.        | ug/l         | 101      |            | 87-117          |     |         |
| 1,2-Dichloropropane                                    | N.D.   | 1.        | ug/l         | 111      |            | 80-117          |     |         |
| Bromodichloromethane                                   | N.D.   | 1.        | ug/l         | 90       |            | 83-121          |     |         |
| Toluene  | N.D.   | 0.5       | ug/l         | 102      |            | 85-115          |     |         |
| 1,1,2-Trichloroethane                                  | N.D.   | 0.8       | ug/l         | 96       |            | 86-113          |     |         |
| Tetrachloroethene                                      | N.D.   | 0.8       | ug/l         | 91       |            | 82-126          |     |         |
| Dibromochloromethane                                   | N.D.   | 1.        | ug/l         | 80       |            | 78-119          |     |         |
| Chlorobenzene  | N.D.   | 0.8       | ug/l         | 99       |            | 85-115          |     |         |
| Ethylbenzene   | N.D.   | 0.5       | ug/l         | 99       |            | 82-119          |     |         |
| m+p-Xylene   | N.D.   | 0.5       | ug/l         | 100      |            | 84-120          |     |         |
| o-Xylene   | N.D.   | 0.5       | ug/l         | 98       |            | 84-120          |     |         |
| Bromoform  | N.D.   | 1.        | ug/l         | 68       |            | 63-122          |     |         |
| 1,1,1,2-Tetrachloroethane                              | N.D.   | 1.        | ug/l         | 104      |            | 72-119          |     |         |
| 1,3-Dichlorobenzene                                    | N.D.   | 1.        | ug/l         | 99       |            | 82-119          |     |         |
| 1,4-Dichlorobenzene                                    | N.D.   | 1.        | ug/l         | 97       |            | 84-116          |     |         |
| 1,2-Dichlorobenzene                                    | N.D.   | 1.        | ug/l         | 97       |            | 81-112          |     |         |
| trans-1,3-Dichloropropene                              | N.D.   | 1.        | ug/l         | 94       |            | 79-114          |     |         |
| cis-1,3-Dichloropropene                                | N.D.   | 1.        | ug/l         | 99       |            | 78-114          |     |         |
| Freon 113  | N.D.   | 2.        | ug/l         | 95       |            | 73-140          |     |         |
| Batch number: P032642AA                                | Sample number(s): 4124441                          |           |              |          |            |                 |     |         |
| Methyl Tertiary Butyl Ether                            | N.D.   | 0.5       | ug/l         | 92       |            | 77-127          |     |         |
| Benzene  | N.D.   | 0.5       | ug/l         | 93       |            | 85-117          |     |         |
| Toluene  | N.D.   | 0.5       | ug/l         | 92       |            | 85-115          |     |         |
| Ethylbenzene   | N.D.   | 0.5       | ug/l         | 94       |            | 82-119          |     |         |
| Xylene (Total)   | N.D.   | 0.5       | ug/l         | 95       |            | 84-120          |     |         |
| Batch number: P032661AA                                | Sample number(s): 4124442-4124443, 4124445-4124446 |           |              |          |            |                 |     |         |

\*- 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: 09/30/03 at 02:33 PM

Group Number: 867503

### Laboratory Compliance Quality Control

| Analysis Name  | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|--|--------------|-----------|--------------|----------|-----------|-----------------|-----|---------|
| Ethanol  | N.D.         | 50.       | ug/l         | 93       |           | 46-145          |     |         |
| Methyl Tertiary Butyl Ether                            | N.D.         | 0.5       | ug/l         | 97       |           | 77-127          |     |         |
| Benzene  | N.D.         | 0.5       | ug/l         | 99       |           | 85-117          |     |         |
| Toluene  | N.D.         | 0.5       | ug/l         | 98       |           | 85-115          |     |         |
| Ethylbenzene   | N.D.         | 0.5       | ug/l         | 98       |           | 82-119          |     |         |
| Xylene (Total)   | N.D.         | 0.5       | ug/l         | 98       |           | 84-120          |     |         |
| Batch number: P032671AA      Sample number(s): 4124447 |              |           |              |          |           |                 |     |         |
| Ethanol  | N.D.         | 50.       | ug/l         | 96       |           | 46-145          |     |         |
| Methyl Tertiary Butyl Ether                            | N.D.         | 0.5       | ug/l         | 97       |           | 77-127          |     |         |
| Benzene  | N.D.         | 0.5       | ug/l         | 98       |           | 85-117          |     |         |
| Toluene  | N.D.         | 0.5       | ug/l         | 96       |           | 85-115          |     |         |
| Ethylbenzene   | N.D.         | 0.5       | ug/l         | 96       |           | 82-119          |     |         |
| Xylene (Total)   | N.D.         | 0.5       | ug/l         | 96       |           | 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: 032630008A      Sample number(s): 4124444                 |         |          |               |     |         |          |          |         |             |
| TPH - DRO CA LUFT (Waters)  | (2)     | (2)      | 40-140        | 10  | 20      |          |          |         |             |
| Batch number: 03263A16A      Sample number(s): 4124442                  |         |          |               |     |         |          |          |         |             |
| TPH-GRO - Waters  | 118     |          | 63-154        |     |         |          |          |         |             |
| Batch number: 03264A16A      Sample number(s): 4124441, 4124443-4124447 |         |          |               |     |         |          |          |         |             |
| TPH-GRO - Waters  | 111     | 110      | 63-154        | 0   | 30      |          |          |         |             |
| Batch number: N032651AA      Sample number(s): 4124444                  |         |          |               |     |         |          |          |         |             |
| Ethanol   | 131     | 125      | 38-149        | 5   | 30      |          |          |         |             |
| Methyl Tertiary Butyl Ether   | 90      | 90       | 69-134        | 0   | 30      |          |          |         |             |
| Chloromethane   | 113     | 116      | 70-148        | 3   | 30      |          |          |         |             |
| Vinyl Chloride  | 109     | 113      | 64-148        | 3   | 30      |          |          |         |             |
| Bromomethane  | 93      | 92       | 52-140        | 2   | 30      |          |          |         |             |
| Chloroethane  | 100     | 99       | 63-142        | 1   | 30      |          |          |         |             |
| Trichlorofluoromethane  | 110     | 110      | 64-154        | 0   | 30      |          |          |         |             |
| 1,1-Dichloroethene  | 110     | 112      | 78-146        | 3   | 30      |          |          |         |             |
| Methylene Chloride  | 100     | 101      | 79-133        | 2   | 30      |          |          |         |             |
| trans-1,2-Dichloroethene  | 103     | 104      | 82-133        | 1   | 30      |          |          |         |             |
| 1,1-Dichloroethane  | 107     | 109      | 85-135        | 2   | 30      |          |          |         |             |
| cis-1,2-Dichloroethene  | 103     | 103      | 83-126        | 0   | 30      |          |          |         |             |
| Chloroform  | 103     | 104      | 82-131        | 0   | 30      |          |          |         |             |
| 1,1,1-Trichloroethane   | 101     | 102      | 82-135        | 1   | 30      |          |          |         |             |
| Carbon Tetrachloride  | 91      | 95       | 73-144        | 5   | 30      |          |          |         |             |
| Benzene   | 110     | 111      | 83-128        | 0   | 30      |          |          |         |             |
| 1,2-Dichloroethane  | 109     | 109      | 73-136        | 0   | 30      |          |          |         |             |
| Trichloroethene   | 105     | 104      | 75-135        | 1   | 30      |          |          |         |             |
| 1,2-Dichloropropane   | 113     | 113      | 81-121        | 0   | 30      |          |          |         |             |
| Bromodichloromethane  | 92      | 94       | 83-121        | 2   | 30      |          |          |         |             |
| Toluene   | 106     | 105      | 83-127        | 1   | 30      |          |          |         |             |
| 1,1,2-Trichloroethane   | 99      | 99       | 77-125        | 1   | 30      |          |          |         |             |
| Tetrachloroethene   | 97      | 97       | 75-143        | 0   | 30      |          |          |         |             |
| Dibromochloromethane  | 82      | 83       | 73-119        | 2   | 30      |          |          |         |             |

\*- 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: 09/30/03 at 02:33 PM

Group Number: 867503

### Sample Matrix Quality Control

| Analysis Name  | MS   | MSD  | MS/MSD | RPD | BKG | DUP  | DUP  | Dup<br>RPD |
|--|------|------|--------|-----|-----|------|------|------------|
|  | %REC | %REC | Limits | RPD | MAX | Conc | Conc | RPD        |
|  |      |      |        |     |     |      |      | Max        |
| Chlorobenzene  | 102  | 102  | 83-120 | 1   | 30  |      |      |            |
| Ethylbenzene   | 104  | 105  | 82-129 | 0   | 30  |      |      |            |
| m+p-Xylene   | 104  | 105  | 82-130 | 1   | 30  |      |      |            |
| o-Xylene   | 103  | 104  | 82-130 | 1   | 30  |      |      |            |
| Bromoform  | 71   | 70   | 64-119 | 1   | 30  |      |      |            |
| 1,1,2,2-Tetrachloroethane  | 104  | 106  | 69-121 | 2   | 30  |      |      |            |
| 1,3-Dichlorobenzene  | 103  | 104  | 79-123 | 0   | 30  |      |      |            |
| 1,4-Dichlorobenzene  | 100  | 103  | 81-122 | 3   | 30  |      |      |            |
| 1,2-Dichlorobenzene  | 100  | 102  | 82-117 | 2   | 30  |      |      |            |
| trans-1,3-Dichloropropene  | 98   | 96   | 75-117 | 2   | 30  |      |      |            |
| cis-1,3-Dichloropropene  | 94   | 98   | 76-117 | 3   | 30  |      |      |            |
| Freon 113  | 113  | 114  | 81-155 | 1   | 30  |      |      |            |
| Batch number: P032642AA      Sample number(s): 4124441                         |      |      |        |     |     |      |      |            |
| Methyl Tertiary Butyl Ether  | 88   | 100  | 69-134 | 13  | 30  |      |      |            |
| Benzene  | 94   | 107  | 83-128 | 12  | 30  |      |      |            |
| Toluene  | 96   | 108  | 83-127 | 12  | 30  |      |      |            |
| Ethylbenzene   | 97   | 109  | 82-129 | 11  | 30  |      |      |            |
| Xylene (Total)   | 97   | 109  | 82-130 | 12  | 30  |      |      |            |
| Batch number: P032661AA      Sample number(s): 4124442-4124443,4124445-4124446 |      |      |        |     |     |      |      |            |
| Ethanol  | 90   | 95   | 38-149 | 5   | 30  |      |      |            |
| Methyl Tertiary Butyl Ether  | 98   | 98   | 69-134 | 1   | 30  |      |      |            |
| Benzene  | 105  | 104  | 83-128 | 0   | 30  |      |      |            |
| Toluene  | 103  | 102  | 83-127 | 0   | 30  |      |      |            |
| Ethylbenzene   | 105  | 103  | 82-129 | 1   | 30  |      |      |            |
| Xylene (Total)   | 105  | 103  | 82-130 | 3   | 30  |      |      |            |
| Batch number: P032671AA      Sample number(s): 4124447                         |      |      |        |     |     |      |      |            |
| Ethanol  | 83   | 89   | 38-149 | 7   | 30  |      |      |            |
| Methyl Tertiary Butyl Ether  | 96   | 99   | 69-134 | 2   | 30  |      |      |            |
| Benzene  | 103  | 104  | 83-128 | 2   | 30  |      |      |            |
| Toluene  | 102  | 104  | 83-127 | 2   | 30  |      |      |            |
| Ethylbenzene   | 103  | 102  | 82-129 | 0   | 30  |      |      |            |
| Xylene (Total)   | 102  | 104  | 82-130 | 2   | 30  |      |      |            |

### Surrogate Quality Control

 Analysis Name: TPH - DRO CA LUFT (Waters)  
 Batch number: 032630008A  
 Orthoterphenyl

---

|         |      |
|---------|------|
| 4124444 | 92   |
| Blank   | 88   |
| LCS     | 96   |
| MS      | 255* |
| MSD     | 204* |

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Limits: 59-139

 Analysis Name: TPH-GRO - Waters  
 Batch number: 03263A16A

\*- 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: 09/30/03 at 02:33 PM

Group Number: 867503

### Surrogate Quality Control

#### Trifluorotoluene-F

|         |     |
|---------|-----|
| 4124442 | 115 |
| Blank   | 110 |
| LCS     | 111 |
| LCSD    | 110 |
| MS      | 120 |

Limits: 57-146

 Analysis Name: TPH-GRO - Waters  
 Batch number: 03264A16A  
 Trifluorotoluene-F

|         |     |
|---------|-----|
| 4124441 | 112 |
| 4124443 | 116 |
| 4124444 | 113 |
| 4124445 | 115 |
| 4124446 | 118 |
| 4124447 | 112 |
| Blank   | 98  |
| LCS     | 121 |
| LCSD    | 110 |
| MS      | 114 |
| MSD     | 115 |

Limits: 57-146

 Analysis Name: EPA SW846/8260 (water)  
 Batch number: N032651AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4124444 | 93                   | 87                    | 95         | 96                   |
| Blank   | 91                   | 89                    | 96         | 95                   |
| LCS     | 89                   | 86                    | 98         | 105                  |
| MS      | 90                   | 88                    | 99         | 105                  |
| MSD     | 90                   | 87                    | 99         | 105                  |

Limits: 81-120

82-112

85-112

83-113

 Analysis Name: BTEX+MTBE by 8260B  
 Batch number: P032642AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4124441 | 92                   | 92                    | 91         | 88                   |
| Blank   | 92                   | 94                    | 91         | 90                   |
| LCS     | 93                   | 93                    | 92         | 89                   |
| MS      | 92                   | 93                    | 91         | 90                   |
| MSD     | 91                   | 89                    | 91         | 89                   |

Limits: 81-120

82-112

85-112

83-113

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH  
 Batch number: P032661AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4124442 | 96                   | 94                    | 100        | 98                   |
| 4124443 | 97                   | 95                    | 100        | 99                   |
| 4124445 | 97                   | 95                    | 99         | 104                  |

\*- 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: 09/30/03 at 02:33 PM

Group Number: 867503

### Surrogate Quality Control

|         |    |    |     |     |
|---------|----|----|-----|-----|
| 4124446 | 98 | 96 | 98  | 103 |
| Blank   | 98 | 94 | 99  | 99  |
| LCS     | 97 | 95 | 99  | 99  |
| MS      | 98 | 95 | 100 | 100 |
| MSD     | 97 | 95 | 99  | 98  |

Limits: 81-120 82-112 85-112 83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH  
Batch number: P032671AA

|         | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 4124447 | 98                   | 96                    | 98         | 98                   |
| Blank   | 98                   | 95                    | 99         | 100                  |
| LCS     | 98                   | 96                    | 99         | 99                   |
| MS      | 98                   | 95                    | 99         | 99                   |
| MSD     | 99                   | 96                    | 99         | 100                  |

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 falls within the Method Detection Limit (MDL) and 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**

- A** TIC is a possible aldol-condensation product
- B** Analyte was also detected in the blank
- C** Pesticide result confirmed by GC/MS
- D** Compound quantitated on a diluted sample
- E** Concentration exceeds the calibration range of the instrument
- N** Presumptive evidence of a compound (TICs only)
- P** Concentration difference between primary and confirmation columns >25%
- U** Compound was not detected
- X,Y,Z** Defined in case narrative

**Inorganic Qualifiers**

- B** Value is <CRDL, but ≥IDL
- E** Estimated due to interference
- M** Duplicate injection precision not met
- N** Spike sample not within control limits
- S** Method of standard additions (MSA) used for calculation
- U** Compound was not detected
- W** Post digestion spike out of control limits
- \*** Duplicate analysis not within control limits
- +** 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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