



3164 Gold Camp Drive  
Suite 200  
Rancho Cordova, CA 95670-6021  
U.S.A.  
916/638-2085  
FAX: 916/638-8385

May 18, 2001

R002

Ms. Susan Hugo  
Alameda County Health Care Services  
Department of Environmental health  
1153 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**MAY 23 2001**

Subject: *First Semi-Annual Event of January 15, 2001  
Groundwater Monitoring and Sampling Report  
Former Chevron Asphalt Plant No. 9-1583  
5509 Marin Luther King Way  
Oakland, California  
Delta Project No. DG91-583*

Dear Ms. Hugo:

Attached for your review and comment is a letter report entitled *First Semi-Annual Event of January 15, 2001, Groundwater Monitoring and Sampling Report* for the above referenced site. This report was prepared by Delta Environmental Consultants, Inc./ Gettler-Ryan, Inc and details the results of the January 2001 ground water monitoring and sampling event.

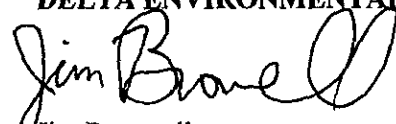
Groundwater monitoring wells MW-1 through MW-3, MW-7 and MW-8 are sampled semi-annually. Groundwater monitoring wells MW-4 through MW-7 are sampled annually.

Concentrations of total petroleum hydrocarbon (TPH) as gasoline have increased in groundwater monitoring wells MW-2, MW-3, MW-5 and MW-8 during the last year. TPH as gasoline has decreased in MW-1 and continue to be below reporting limits in MW-4, MW-6 and MW-7. Concentrations of Methyl tertiary butyl ether has decreased in MW-1, MW-3, and MW-6 through MW-8 and continue to be below reporting limits in MW-2, MW-~~3~~ and MW-5.

If you have questions or comments regarding this report, please contact me at (916) 638-2765.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**

  
Jim Brownell  
Project Manager

JRB (First Semi-Annual-9-1583.doc)  
Enclosures

cc: Mr. Tom Bauhs – Chevron Products Company

Providing a Competitive Edge



# GETTLER-RYAN INC.

## TRANSMITTAL

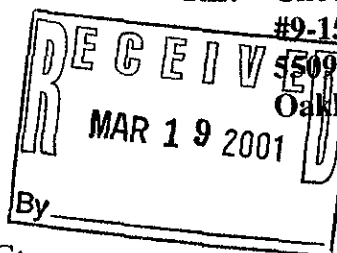
March 13, 2001  
G-R #386506

TO: Mr. James Brownell  
Delta Environmental Consultants, Inc.  
3164 Gold Camp Drive, Suite 200  
Rancho Cordova, California 95670

CC: Mr. Thomas Bauhs  
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  
#9-1583  
5509 Martin Luther King Way  
Oakland, California



WE HAVE ENCLOSED THE FOLLOWING:

| COPIES | DATED         | DESCRIPTION   |
|--------|---------------|---|
| 2      | March 9, 2001 | Groundwater Monitoring and Sampling Report<br>First Semi-Annual Event of January 15, 2001 |

### COMMENTS:

Enclosed are copies of the above referenced report for your review and distribution to the following:

Ms. Susan Hugo, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway,  
Suite 250, Alameda, CA 94502-6577

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **March 26, 2001**, at which time the final report will be distributed to the following:

Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-1583-tb



# GETTLER - RYAN INC.

March 9, 2001  
G-R Job #386506

Mr. Thomas Bauhs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583

**RE: First Semi-Annual Event of January 15, 2001**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

Dear Mr. Bauhs:

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.

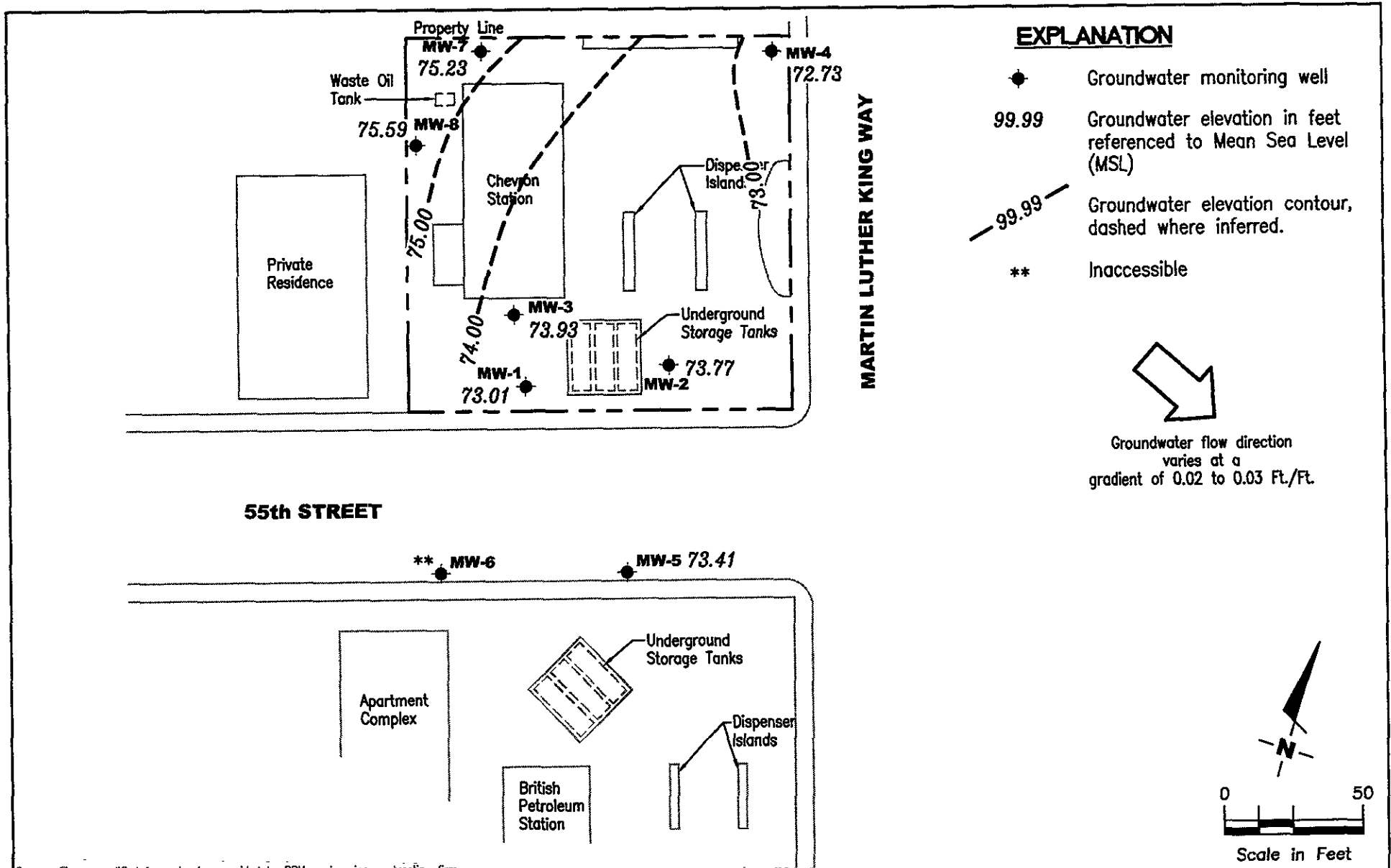
Sincerely,

*Deanna L. Harding*  
Deanna L. Harding  
Project Coordinator

*Stephen J. Carter*  
Stephen J. Carter  
Senior Geologist, R.G. No. 5577



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



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

**POTENTIOMETRIC MAP**  
 Chevron Service Station #9-1583  
 5509 Martin Luther King Way  
 Oakland, California

FIGURE

1

PROJECT NUMBER  
 386506

REVIEWED BY

DATE  
 January 15, 2001

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE | TOC<br>(ft.) | GWE<br>(mst) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | TOG<br>(ppb) |
|------------------|--------------|--------------|--------------|---------------|----------------|-----------------|----------------|------------|------------|------------|------------|---------------|--------------|
| <b>MW-1</b>      |              |              |              |               |                |                 |                |            |            |            |            |               |              |
| 12/22/83         | 81.97        | 71.72        | 10.25        | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/30/83         | 81.97        | 72.80        | 9.17         | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 03/12/90         | 81.97        | 71.89        | 10.08        | --            | --             | --              | 50,000         | 3000       | 7300       | 1900       | 18,000     | --            | --           |
| 03/25/90         | 82.42        | 71.51        | 10.46        | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 10/18/90         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 10/31/90         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/16/90         | 82.42        | 70.84        | 11.58        | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 02/08/91         | 82.42        | 72.31        | 10.11        | --            | --             | --              | 100,000        | 4200       | 8400       | 16,000     | 2600       | --            | --           |
| 05/08/91         | 82.42        | 71.97        | 10.45        | --            | --             | --              | 31,000         | 200        | 66         | 670        | 2000       | --            | --           |
| 08/12/91         | 82.42        | 71.19        | 11.23        | --            | --             | --              | 17,000         | 81         | 7.2        | 270        | 710        | --            | --           |
| 11/07/91         | 82.42        | 71.72        | 10.70        | --            | --             | --              | 7100           | 24         | 6.0        | 130        | 170        | --            | --           |
| 02/05/92         | 82.42        | 72.05        | 10.37        | --            | --             | --              | 110,000        | 8900       | 14,000     | 2700       | 12,000     | --            | --           |
| 05/13/92         | 82.42        | 71.84        | 10.58        | --            | --             | --              | 19,000         | 450        | 85         | 480        | 870        | --            | --           |
| 07/17/92         | 82.42        | 71.37        | 11.05        | --            | --             | --              | 8500           | 170        | <10        | 360        | 600        | --            | --           |
| 10/05/92         | 82.42        | 71.01        | 11.41        | --            | --             | --              | 22,000         | 4300       | 5100       | 570        | 2900       | --            | --           |
| 11/11/92         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/17/92         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/24/92         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/01/92         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/29/92         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/05/93         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/08/93         | 82.42        | 74.31        | 8.11         | --            | --             | --              | 14,000,000     | 12,000     | 79,000     | 270,000    | 1,300,000  | --            | --           |
| 02/02/93         | 82.42        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 04/14/93         | 82.42        | 72.57        | 9.85         | --            | --             | --              | 48,000         | 670        | 1100       | 1600       | 6300       | --            | --           |
| 08/06/93         | 82.42        | 71.59        | 10.83        | --            | --             | --              | 44,000         | 660        | 990        | 1600       | 6100       | --            | --           |
| 10/21/93         | 82.42        | 71.52        | 10.90        | --            | --             | --              | 18,000         | 270        | 460        | 1300       | 4700       | --            | --           |
| 01/05/94         | 82.42        | 72.09        | 10.33        | --            | --             | --              | 22,000         | 160        | 160        | 630        | 2300       | --            | --           |
| 04/08/94         | 82.42        | 72.24        | 10.18        | --            | --             | --              | 21,000         | 37         | 110        | 570        | 1400       | --            | --           |
| 07/06/94         | 82.42        | 71.78        | 10.64        | --            | --             | --              | 28,000         | 210        | 100        | 540        | 1200       | --            | --           |
| 08/04/94         | 82.42        | 71.91        | 10.51        | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 10/05/94         | 82.42        | 71.51        | 10.91        | --            | --             | --              | 120,000        | 39         | 22         | 320        | 900        | --            | --           |
| 01/18/95         | 82.42        | 73.80        | 8.62         | --            | --             | --              | 12,000         | <20        | <20        | 130        | 160        | --            | --           |
| 04/07/95         | 82.42        | 72.89        | 9.53         | --            | --             | --              | 2500           | <2.5       | <2.5       | 71         | 38         | --            | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb)  | B<br>(ppb)       | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)   | MTBE<br>(ppb)        | TOG<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|----------------|-----------------|-----------------|------------------|------------------|------------------|--------------|----------------------|--------------|
| <b>MW-1 (cont)</b> |              |              |              |               |                |                 |                 |                  |                  |                  |              |                      |              |
| 07/06/95           | 82.42        | 72.03        | 10.39        | --            | --             | --              | 5700            | <0.5             | <0.5             | 110              | 110          | --                   | --           |
| 10/11/95           | 82.42        | 70.54        | 11.88        | --            | --             | --              | 2700            | 13               | <5.0             | 13               | 5.7          | 650                  | --           |
| 01/17/96           | 82.42        | 73.14        | 9.28         | --            | --             | --              | 4200            | 12               | <5.0             | 43               | 24           | 300                  | --           |
| 04/05/96           | 82.42        | 72.82        | 9.60         | --            | --             | --              | 1300            | <1.2             | <1.2             | 7.6              | 2.8          | 220                  | --           |
| 07/23/96           | 82.42        | 72.19        | 10.23        | --            | --             | --              | 700             | <1.0             | <1.0             | 7.0              | 4.8          | 240                  | --           |
| 10/02/96           | 82.42        | 71.67        | 10.75        | --            | --             | --              | 1700            | <2.5             | 9.8              | 10               | 13           | 610                  | --           |
| 01/23/97           | 82.42        | 74.75        | 7.67         | --            | --             | --              | 1300            | 21               | <10              | <10              | <10          | 2700                 | --           |
| 04/01/97           | 82.42        | 72.22        | 10.20        | --            | --             | --              | 670             | <2.0             | <2.0             | 4.1              | 3.6          | 1200                 | --           |
| 07/09/97           | 82.42        | 72.12        | 10.30        | --            | --             | --              | 460             | <1.0             | <1.0             | <1.0             | <1.0         | 440                  | --           |
| 10/07/97           | 82.42        | 71.73        | 10.69        | --            | --             | --              | 1100            | 8.5              | <2.0             | <2.0             | 2.0          | 250                  | --           |
| 01/22/98           | 82.42        | 74.20        | 8.22         | --            | --             | --              | 460             | 1.4              | 5.8              | <0.5             | <0.5         | 150                  | --           |
| 04/02/98           | 82.42        | 72.89        | 9.53         | --            | --             | --              | 220             | 2.5              | 1.2              | <1.0             | 1.9          | 260                  | --           |
| 07/02/98           | 82.42        | 72.08        | 10.34        | --            | --             | --              | 270             | <0.5             | 0.82             | <0.5             | <0.5         | 140                  | --           |
| 10/02/98           | 82.42        | 71.70        | 10.72        | --            | --             | --              | 170             | 1.3              | <0.5             | <0.5             | <1.5         | 320                  | --           |
| 01/18/99           | 82.42        | 72.87        | 9.55         | --            | --             | --              | 416             | <2.5             | <2.5             | <2.5             | <2.5         | 316/295 <sup>2</sup> | --           |
| 07/22/99           | 82.42        | 71.61        | 10.81        | --            | --             | --              | 186             | <0.5             | 3.94             | 1.46             | 2.37         | 63.7                 | --           |
| 01/17/00           | 82.42        | 72.21        | 10.21        | --            | --             | --              | 248             | 1.6              | <0.5             | <0.5             | <0.5         | 41.0                 | --           |
| 07/05/00           | 82.42        | 72.12        | 10.30        | 0.00          | --             | --              | 76 <sup>3</sup> | <0.50            | <0.50            | <0.50            | 0.79         | 69                   | --           |
| <b>01/15/01</b>    | <b>82.42</b> | <b>73.01</b> | <b>9.41</b>  | <b>0.00</b>   | --             | --              | <b>66.6</b>     | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>0.585</b> | <b>22.5</b>          | --           |
| <b>MW-2</b>        |              |              |              |               |                |                 |                 |                  |                  |                  |              |                      |              |
| 12/22/83           | 83.48        | 72.98        | 10.50        | --            | --             | --              | --              | --               | --               | --               | --           | --                   | --           |
| 12/30/83           | 83.48        | 73.56        | 9.92         | --            | --             | --              | --              | --               | --               | --               | --           | --                   | --           |
| 03/12/90           | 83.48        | 72.46        | 11.02        | --            | --             | --              | 800             | 400              | 22               | 18               | 55           | --                   | --           |
| 03/25/90           | 83.48        | 72.15        | 11.33        | --            | --             | --              | --              | --               | --               | --               | --           | --                   | --           |
| 10/18/90           | 83.48        | 71.17        | 12.31        | --            | --             | --              | --              | --               | --               | --               | --           | --                   | --           |
| 10/31/90           | 83.48        | --           | --           | --            | --             | --              | --              | --               | --               | --               | --           | --                   | --           |
| 11/16/90           | 83.48        | --           | --           | --            | --             | --              | --              | --               | --               | --               | --           | --                   | --           |
| 02/08/91           | 83.48        | 72.43        | 11.05        | --            | --             | --              | 4600            | 820              | 440              | 720              | 210          | --                   | --           |
| 05/08/91           | 83.48        | 72.12        | 11.36        | --            | --             | --              | <50             | 5.0              | <0.5             | <0.5             | <0.5         | --                   | --           |
| 08/12/91           | 83.48        | 71.51        | 11.97        | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5         | --                   | --           |
| 11/07/91           | 83.48        | 71.98        | 11.50        | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5         | --                   | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | TOG<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|----------------|-----------------|----------------|------------|------------|------------|------------|---------------|--------------|
| <b>MW-2 (cont)</b> |              |              |              |               |                |                 |                |            |            |            |            |               |              |
| 02/05/92           | 83.48        | 72.29        | 11.19        | --            | --             | --              | 1700           | 390        | 170        | 60         | 200        | --            | --           |
| 05/13/92           | 83.48        | 71.99        | 11.49        | --            | --             | --              | 74             | 9.3        | <0.5       | <0.5       | <0.5       | --            | --           |
| 07/17/92           | 83.48        | 71.63        | 11.85        | --            | --             | --              | <50            | 2.0        | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/05/92           | 83.48        | 71.48        | 12.00        | --            | --             | --              | 3500           | 1200       | 530        | 86         | 220        | --            | --           |
| 11/11/92           | 83.48        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/17/92           | 83.48        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/24/92           | 83.48        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/01/92           | 83.48        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/29/92           | 83.48        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/05/93           | 83.48        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/08/93           | 83.48        | 74.65        | 8.83         | --            | --             | --              | 390            | 140        | 0.8        | 7.7        | 26         | --            | --           |
| 02/02/93           | 83.48        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 04/14/93           | 83.48        | 72.69        | 10.79        | --            | --             | --              | <50            | 5.0        | <0.5       | <0.5       | <0.5       | --            | --           |
| 08/06/93           | 83.48        | 71.77        | 11.71        | --            | --             | --              | <50            | 1.0        | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/21/93           | 83.48        | 71.74        | 11.74        | --            | --             | --              | <50            | 1.0        | <0.5       | 9.0        | <0.5       | --            | --           |
| 01/05/94           | 83.48        | 72.30        | 11.18        | --            | --             | --              | <50            | 0.7        | <0.5       | <0.5       | 0.9        | --            | --           |
| 04/08/94           | 83.48        | 72.42        | 11.06        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 07/06/94           | 83.48        | 71.80        | 11.68        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 08/04/94           | 83.48        | 72.29        | 11.19        | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 10/05/94           | 83.48        | 71.79        | 11.69        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 01/18/95           | 83.48        | 74.26        | 9.22         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 04/07/95           | 83.48        | 73.62        | 9.86         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 07/06/95           | 83.48        | 72.74        | 10.74        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/11/95           | 83.48        | 72.26        | 11.22        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 01/17/96           | 83.48        | 73.74        | 9.74         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 04/05/96           | 83.48        | 73.52        | 9.96         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 07/23/96           | 83.48        | 72.57        | 10.91        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 10/02/96           | 83.48        | 72.41        | 11.07        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 01/23/97           | 83.48        | 75.18        | 8.30         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 3.4           | --           |
| 04/01/97           | 83.48        | 72.90        | 10.58        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 07/09/97           | 83.48        | 72.58        | 10.90        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 10/07/97           | 83.48        | 72.52        | 10.96        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 01/22/98           | 83.48        | 74.73        | 8.75         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb)         | B<br>(ppb)       | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)       | MTBE<br>(ppb)   | TOG<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|----------------|-----------------|------------------------|------------------|------------------|------------------|------------------|-----------------|--------------|
| <b>MW-2 (cont)</b> |              |              |              |               |                |                 |                        |                  |                  |                  |                  |                 |              |
| 04/02/98           | 83.48        | 73.66        | 9.82         | --            | --             | --              | 89                     | 3.0              | 5.4              | 4.1              | 21               | <2.5            | --           |
| 07/02/98           | 83.48        | 72.74        | 10.74        | --            | --             | --              | <50                    | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 10/02/98           | 83.48        | 72.43        | 11.05        | --            | --             | --              | <50                    | <0.5             | <0.5             | <0.5             | <1.5             | <2.5            | --           |
| 01/18/99           | 83.48        | 73.09        | 10.39        | --            | --             | --              | <50                    | <0.5             | <0.5             | <0.5             | <0.5             | <2.0            | --           |
| 07/22/99           | 83.48        | 72.61        | 10.87        | --            | --             | --              | <50                    | <0.5             | <0.5             | <0.5             | <0.5             | <2.0            | --           |
| 01/17/00           | 83.48        | 72.89        | 10.59        | --            | --             | --              | <50                    | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 07/05/00           | 83.48        | 72.84        | 10.64        | 0.00          | --             | --              | <50                    | <0.50            | <0.50            | <0.50            | <0.50            | <2.5            | --           |
| <b>01/15/01</b>    | <b>83.48</b> | <b>73.77</b> | <b>9.71</b>  | <b>0.00</b>   | --             | --              | <b>555<sup>b</sup></b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;2.50</b> | --           |
| <b>MW-3</b>        |              |              |              |               |                |                 |                        |                  |                  |                  |                  |                 |              |
| 12/22/83           | 84.36        | 72.78        | 11.58        | --            | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 12/30/83           | 84.36        | 73.19        | 11.17        | --            | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 03/12/90           | 84.36        | 72.22        | 12.14        | --            | --             | --              | 47,000                 | 1000             | 9900             | 1700             | 9800             | --              | --           |
| 03/25/90           | 84.38        | 71.81        | 12.55        | --            | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 10/18/90           | 84.38        | --           | --           | --            | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 10/31/90           | 84.38        | --           | --           | --            | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 11/16/90           | 84.38        | 70.76        | 13.62        | --            | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 02/08/91           | 84.38        | 72.20        | 12.18        | --            | --             | --              | 58,000                 | 4900             | 5200             | 9500             | 2000             | --              | --           |
| 05/08/91           | 84.38        | 71.86        | 12.52        | --            | --             | --              | 50,000                 | 2100             | 1400             | 2000             | 9400             | --              | --           |
| 08/12/91           | 84.38        | 71.11        | 13.27        | --            | --             | --              | 15,000                 | 1300             | 160              | 920              | 1900             | --              | --           |
| 11/07/91           | 84.38        | 71.57        | 12.81        | --            | --             | --              | 26,000                 | 1000             | 310              | 1900             | 5900             | --              | --           |
| 02/05/92           | 84.38        | 71.91        | 12.47        | --            | --             | --              | 35,000                 | 2800             | 1300             | 1500             | 4700             | --              | --           |
| 05/13/92           | 84.38        | 71.76        | 12.62        | --            | --             | --              | 47,000                 | 1500             | 1200             | 1100             | 4800             | --              | --           |
| 07/17/92           | 84.38        | 71.25        | 13.13        | --            | --             | --              | 15,000                 | 120              | 11               | 88               | 140              | --              | --           |
| 10/05/92           | 84.38        | 70.95        | 13.62        | 0.24          | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 11/11/92           | 84.38        | 71.63        | 12.89        | 0.17          | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 11/17/92           | 84.38        | 71.54        | 12.89        | 0.06          | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 11/24/92           | 84.38        | 71.56        | 12.86        | 0.05          | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 12/01/92           | 84.38        | 71.48        | 12.92        | 0.03          | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 12/29/92           | 84.38        | 73.14        | 11.24        | Sheen         | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 01/05/93           | 84.38        | 73.23        | 11.15        | Sheen         | --             | --              | --                     | --               | --               | --               | --               | --              | --           |
| 01/08/93           | 84.38        | 74.28        | 10.10        | --            | --             | --              | 250,000                | 5000             | 17,000           | 5500             | 28,000           | --              | --           |



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb)  | B<br>(ppb)       | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)  | MTBE<br>(ppb)         | TOG<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|----------------|-----------------|-----------------|------------------|------------------|------------------|-------------|-----------------------|--------------|
| <b>MW-3 (cont)</b> |              |              |              |               |                |                 |                 |                  |                  |                  |             |                       |              |
| 02/02/93           | 84.38        | --           | --           | --            | --             | --              | --              | --               | --               | --               | --          | --                    | --           |
| 04/14/93           | 84.38        | 72.48        | 11.91        | 0.01          | --             | --              | --              | --               | --               | --               | --          | --                    | --           |
| 08/06/93           | 84.38        | 71.49        | 12.90        | 0.01          | --             | --              | 150,000         | 3800             | 6600             | 3700             | 17,000      | --                    | --           |
| 10/21/93           | 84.38        | 71.41        | 12.97        | --            | --             | --              | 22,000          | 2300             | 1700             | 1400             | 5100        | --                    | --           |
| 01/05/94           | 84.38        | 71.96        | 12.42        | --            | --             | --              | 37,000          | 1600             | 1100             | 1300             | 6500        | --                    | --           |
| 04/08/94           | 84.38        | 72.51        | 11.87        | --            | --             | --              | 16,000          | 250              | 310              | 500              | 2500        | --                    | --           |
| 07/06/94           | 84.38        | 71.64        | 12.74        | --            | --             | --              | 43,000          | 660              | 320              | 1900             | 6400        | --                    | --           |
| 08/04/94           | 84.38        | 71.71        | 12.67        | --            | --             | --              | --              | --               | --               | --               | --          | --                    | --           |
| 10/05/94           | 84.38        | 71.43        | 12.95        | --            | --             | --              | 12,000          | 280              | 90               | 480              | 370         | --                    | --           |
| 01/18/95           | 84.38        | 73.72        | 10.66        | --            | --             | --              | 20,000          | 200              | 230              | 700              | 3500        | --                    | --           |
| 04/07/95           | 84.38        | 72.84        | 11.54        | --            | --             | --              | 22,000          | 120              | 120              | 810              | 4400        | --                    | --           |
| 07/06/95           | 84.38        | 71.99        | 12.39        | --            | --             | --              | 15,000          | 110              | <50              | 630              | 2100        | --                    | --           |
| 10/11/95           | 84.38        | 72.07        | 12.31        | --            | --             | --              | 8600            | 24               | <10              | 360              | 560         | 1100                  | --           |
| 01/17/96           | 84.38        | 73.68        | 10.70        | --            | --             | --              | 9300            | <50              | <50              | 230              | 1100        | 2300                  | --           |
| 04/05/96           | 84.38        | 73.35        | 11.03        | --            | --             | --              | 8700            | 16               | <10              | 110              | 650         | 990                   | --           |
| 07/23/96           | 84.38        | 72.38        | 12.00        | --            | --             | --              | 5400            | 20               | <5.0             | 190              | 480         | 2300                  | --           |
| 10/02/96           | 84.38        | 72.20        | 12.18        | --            | --             | --              | 6200            | 43               | <20              | 130              | 140         | 2800                  | --           |
| 01/23/97           | 84.38        | 75.12        | 9.26         | --            | --             | --              | 5600            | <5.0             | <5.0             | 39               | 160         | 550                   | --           |
| 04/01/97           | 84.38        | 72.75        | 11.63        | --            | --             | --              | 6900            | 17               | <10              | 150              | 330         | 3900                  | --           |
| 07/09/97           | 84.38        | 72.38        | 12.00        | --            | --             | --              | 5300            | 31               | <5.0             | 100              | 180         | 2300                  | --           |
| 10/07/97           | 84.38        | 72.27        | 12.11        | --            | --             | --              | 2400            | 15               | <2.0             | 30               | 15          | 900                   | --           |
| 01/22/98           | 84.38        | 74.73        | 9.65         | --            | --             | --              | 3200            | 2.5              | 7.9              | 70               | 220         | 660                   | --           |
| 04/02/98           | 84.38        | 73.49        | 10.89        | --            | --             | --              | 1300            | 14               | 9.7              | 25               | 63          | 430                   | --           |
| 07/02/98           | 84.38        | 72.69        | 11.69        | --            | --             | --              | 750             | 6.9              | <5.0             | 18               | 9.1         | 370                   | --           |
| 10/02/98           | 84.38        | 72.23        | 12.15        | --            | --             | --              | 1400            | 5.3              | 0.73             | 18               | 6.6         | 900                   | --           |
| 01/18/99           | 84.38        | 74.05        | 10.33        | --            | --             | --              | 1270            | <1.0             | <1.0             | 7.95             | <1.0        | 100/99.7 <sup>2</sup> | --           |
| 07/22/99           | 84.38        | 72.08        | 12.30        | --            | --             | --              | 2240            | <1.0             | <1.0             | 29.4             | 13.7        | 189                   | --           |
| 01/17/00           | 84.38        | 72.78        | 11.60        | --            | --             | --              | 848             | 6.72             | 2.53             | 5.02             | 2.49        | 90                    | --           |
| 07/05/00           | 84.38        | 72.67        | 11.71        | 0.00          | --             | --              | 90 <sup>3</sup> | 5.3              | <0.50            | 0.70             | <0.50       | 770                   | --           |
| <b>01/15/01</b>    | <b>84.38</b> | <b>73.93</b> | <b>10.45</b> | <b>0.00</b>   | --             | --              | <b>206</b>      | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>1.09</b> | <b>4.04</b>           | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | F<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | TOG<br>(ppb) |
|------------------|--------------|--------------|--------------|---------------|----------------|-----------------|----------------|------------|------------|------------|------------|---------------|--------------|
| <b>MW-4</b>      |              |              |              |               |                |                 |                |            |            |            |            |               |              |
| 10/18/90         | 84.25        | 68.50        | 15.75        | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 10/31/90         | 84.25        | 70.35        | 13.90        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | 1.0        | --            | --           |
| 11/16/90         | 84.25        | 70.00        | 14.25        | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 02/08/91         | 84.25        | 71.93        | 12.32        | --            | --             | --              | 60             | 17         | 2.0        | 12         | <0.5       | --            | --           |
| 05/08/91         | 84.25        | 72.02        | 12.23        | --            | --             | --              | 65             | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 08/12/91         | 84.25        | 70.32        | 13.93        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 11/07/91         | 84.25        | 70.83        | 13.42        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 02/05/92         | 84.25        | 71.42        | 12.83        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 05/13/92         | 84.25        | 70.97        | 13.28        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 07/17/92         | 84.25        | 70.27        | 13.98        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/05/92         | 84.25        | 70.02        | 14.23        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 11/11/92         | 84.25        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/17/92         | 84.25        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/24/92         | 84.25        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/01/92         | 84.25        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/29/92         | 84.25        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/05/93         | 84.25        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/08/93         | 84.25        | 74.09        | 10.16        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 02/02/93         | 84.25        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 04/14/93         | 84.25        | 72.21        | 12.04        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 08/06/93         | 84.25        | 70.34        | 13.91        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/21/93         | 84.25        | 70.26        | 13.99        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | 1.0        | --            | --           |
| 01/05/94         | 84.25        | 71.30        | 12.95        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 04/08/94         | 84.25        | 71.31        | 12.94        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 07/06/94         | 84.25        | 70.57        | 13.68        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 08/04/94         | 84.25        | 70.71        | 13.54        | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 10/05/94         | 84.25        | 70.65        | 13.60        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 01/18/95         | 84.25        | 74.77        | 9.48         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 04/07/95         | 84.25        | 72.70        | 11.55        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 07/06/95         | 84.25        | 71.25        | 13.00        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/11/95         | 84.25        | 70.27        | 13.98        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 01/17/96         | 84.25        | 73.17        | 11.08        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |
| 04/05/96         | 84.25        | 72.65        | 11.60        | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>( <i>ft.</i> ) | GWE<br>( <i>mst</i> )      | DTW<br>( <i>ft.</i> ) | SPHT<br>( <i>ft.</i> ) | TPH-D<br>( <i>ppb</i> ) | TPH-MO<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> ) | TOG<br>( <i>ppb</i> ) |    |
|--------------------|-----------------------|----------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------|---------------------|---------------------|---------------------|---------------------|------------------------|-----------------------|----|
| <b>MW-4 (cont)</b> |                       |                            |                       |                        |                         |                          |                         |                     |                     |                     |                     |                        |                       |    |
| 07/23/96           | 84.25                 | 70.86                      | 13.39                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 10/02/96           | 84.25                 | 70.27                      | 13.98                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 01/23/97           | 84.25                 | 74.72                      | 9.53                  | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 04/01/97           | 84.25                 | 71.68                      | 12.57                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 07/09/97           | 84.25                 | 70.64                      | 13.61                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 10/07/97           | 84.25                 | 70.51                      | 13.74                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 01/22/98           | 84.25                 | 74.90                      | 9.35                  | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 04/02/98           | 84.25                 | 73.00                      | 11.25                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 07/02/98           | 84.25                 | 71.84                      | 12.41                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.5                   | --                    |    |
| 10/02/98           | 84.25                 | 71.00                      | 13.25                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <1.5                | <2.5                   | --                    |    |
| 01/18/99           | 84.25                 | 72.65                      | 11.60                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.0                   | --                    |    |
| 07/22/99           | 84.25                 | 70.70                      | 13.55                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | <2.0                   | --                    |    |
| 01/17/00           | 84.25                 | 71.32                      | 12.93                 | --                     | --                      | --                       | <50                     | <0.50               | <0.50               | <0.50               | <0.50               | <2.5                   | --                    |    |
| 07/05/00           | 84.25                 | MONITORED/SAMPLED ANNUALLY |                       |                        |                         | --                       | --                      | --                  | --                  | --                  | --                  | --                     | --                    | -- |
| 01/15/01           | 84.25                 | 72.73                      | 11.52                 | 0.00                   | --                      | --                       | <50.0                   | <0.500              | <0.500              | <0.500              | <0.500              | <2.50                  | --                    |    |
| <b>MW-5</b>        |                       |                            |                       |                        |                         |                          |                         |                     |                     |                     |                     |                        |                       |    |
| 10/18/90           | 81.95                 | 71.17                      | 10.78                 | --                     | --                      | --                       | --                      | --                  | --                  | --                  | --                  | --                     | --                    |    |
| 10/31/90           | 81.95                 | 71.32                      | 10.63                 | --                     | --                      | --                       | 110                     | <0.5                | <0.5                | <0.5                | <0.5                | --                     | --                    |    |
| 11/16/90           | 81.95                 | 71.27                      | 10.68                 | --                     | --                      | --                       | --                      | --                  | --                  | --                  | --                  | --                     | --                    |    |
| 02/08/91           | 81.95                 | 72.78                      | 9.17                  | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | --                     | --                    |    |
| 05/08/91           | 81.95                 | 73.27                      | 8.68                  | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | --                     | --                    |    |
| 08/12/91           | 81.95                 | 71.62                      | 10.33                 | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | --                     | --                    |    |
| 11/07/91           | 81.95                 | 72.19                      | 9.76                  | --                     | --                      | --                       | <50                     | <0.5                | <0.5                | <0.5                | <0.5                | --                     | --                    |    |
| 02/05/92           | 81.95                 | 72.48                      | 9.47                  | --                     | --                      | --                       | 69                      | <0.5                | <0.5                | <0.5                | <0.5                | --                     | --                    |    |
| 05/13/92           | 81.95                 | 72.25                      | 9.70                  | --                     | --                      | --                       | 74                      | <0.5                | <0.5                | <0.5                | <0.5                | --                     | --                    |    |
| 07/17/92           | 81.95                 | 71.74                      | 10.21                 | --                     | --                      | --                       | 880                     | 2.6                 | <1.2                | 4.6                 | 11                  | --                     | --                    |    |
| 10/05/92           | 81.95                 | 71.34                      | 10.61                 | --                     | --                      | --                       | 120                     | <0.5                | <0.5                | 0.6                 | 4.9                 | --                     | --                    |    |
| 11/11/92           | 81.95                 | --                         | --                    | --                     | --                      | --                       | --                      | --                  | --                  | --                  | --                  | --                     | --                    |    |
| 11/17/92           | 81.95                 | --                         | --                    | --                     | --                      | --                       | --                      | --                  | --                  | --                  | --                  | --                     | --                    |    |
| 11/24/92           | 81.95                 | --                         | --                    | --                     | --                      | --                       | --                      | --                  | --                  | --                  | --                  | --                     | --                    |    |
| 12/01/92           | 81.95                 | --                         | --                    | --                     | --                      | --                       | --                      | --                  | --                  | --                  | --                  | --                     | --                    |    |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl)               | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb)   | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | TOG<br>(ppb) |    |
|--------------------|--------------|----------------------------|--------------|---------------|----------------|-----------------|------------------|------------|------------|------------|------------|---------------|--------------|----|
| <b>MW-5 (cont)</b> |              |                            |              |               |                |                 |                  |            |            |            |            |               |              |    |
| 12/29/92           | 81.95        | --                         | --           | --            | --             | --              | --               | --         | --         | --         | --         | --            | --           |    |
| 01/05/93           | 81.95        | --                         | --           | --            | --             | --              | --               | --         | --         | --         | --         | --            | --           |    |
| 01/08/93           | 81.95        | 74.61                      | 7.34         | --            | --             | --              | 61               | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |    |
| 02/02/93           | 81.95        | --                         | --           | --            | --             | --              | --               | --         | --         | --         | --         | --            | --           |    |
| 04/14/93           | 81.95        | --                         | --           | --            | --             | --              | --               | --         | --         | --         | --         | --            | --           |    |
| 08/06/93           | 81.95        | 71.99                      | 9.96         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |    |
| 10/21/93           | 81.95        | 71.89                      | 10.06        | --            | --             | --              | <50              | <0.5       | <0.5       | 2.0        | 4.0        | --            | --           |    |
| 01/05/94           | 81.95        | 72.52                      | 9.43         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |    |
| 04/08/94           | 81.95        | 72.56                      | 9.39         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |    |
| 07/06/94           | 81.95        | 72.19                      | 9.76         | --            | --             | --              | <50              | 0.6        | <0.5       | <0.5       | <0.5       | --            | --           |    |
| 08/04/94           | 81.95        | 72.13                      | 9.82         | --            | --             | --              | --               | --         | --         | --         | --         | --            | --           |    |
| 10/05/94           | 81.95        | 71.89                      | 10.06        | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |    |
| 01/18/95           | 81.95        | INACCESSIBLE               |              | --            | --             | --              | --               | --         | --         | --         | --         | --            | --           |    |
| 04/07/95           | 81.95        | 73.31                      | 8.64         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |    |
| 07/06/95           | 81.95        | 72.52                      | 9.43         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |    |
| 10/11/95           | 81.95        | 72.12                      | 9.83         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 01/17/96           | 81.95        | 73.63                      | 8.32         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 04/05/96           | 81.95        | 73.23                      | 8.72         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 07/23/96           | 81.95        | 72.25                      | 9.70         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 10/02/96           | 81.95        | 72.06                      | 9.89         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 01/23/97           | 81.95        | 74.72                      | 7.23         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 04/01/97           | 81.95        | INACCESSIBLE               |              | --            | --             | --              | --               | --         | --         | --         | --         | --            | --           |    |
| 07/09/97           | 81.95        | 72.27                      | 9.68         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 10/07/97           | 81.95        | 72.14                      | 9.81         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 01/22/98           | 81.95        | 74.80                      | 7.15         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 04/02/98           | 81.95        | INACCESSIBLE               |              | --            | --             | --              | --               | --         | --         | --         | --         | --            | --           |    |
| 07/02/98           | 81.95        | 72.43                      | 9.52         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 10/02/98           | 81.95        | 72.14                      | 9.81         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <1.5       | <2.5          | --           |    |
| 01/18/99           | 81.95        | 73.11                      | 8.84         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.0          | --           |    |
| 07/22/99           | 81.95        | 72.01                      | 9.94         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.0          | --           |    |
| 01/17/00           | 81.95        | 72.70                      | 9.25         | --            | --             | --              | <50              | <0.5       | <0.5       | <0.5       | <0.5       | <2.5          | --           |    |
| 07/05/00           | 81.95        | MONITORED/SAMPLED ANNUALLY |              |               |                | --              | --               | --         | --         | --         | --         | --            | --           | -- |
| 01/15/01           | 81.95        | 73.41                      | 8.54         | 0.00          | --             | --              | 423 <sup>6</sup> | <0.500     | <0.500     | <0.500     | <0.500     | <2.50         | --           |    |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | TOG<br>(ppb) |
|------------------|--------------|--------------|--------------|---------------|----------------|-----------------|----------------|------------|------------|------------|------------|---------------|--------------|
| <b>MW-6</b>      |              |              |              |               |                |                 |                |            |            |            |            |               |              |
| 10/18/90         | 80.60        | 70.81        | 9.79         | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 10/31/90         | 80.60        | 70.91        | 9.69         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | 3.0        | --            | --           |
| 11/16/90         | 80.60        | 70.86        | 9.74         | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 02/08/91         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 05/08/91         | 80.60        | 71.06        | 9.54         | --            | --             | --              | 56             | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 08/12/91         | 80.60        | 71.10        | 9.50         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 11/07/91         | 80.60        | 71.71        | 8.89         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 02/05/92         | 80.60        | 72.01        | 8.59         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 05/13/92         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 07/17/92         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 10/05/92         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/11/92         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/17/92         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 11/24/92         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/01/92         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 12/29/92         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/05/93         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/08/93         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 02/02/93         | 80.60        | 72.89        | 7.71         | --            | --             | --              | <50            | 2.1        | <0.5       | <0.5       | 2.2        | --            | --           |
| 04/14/93         | 80.60        | 72.41        | 8.19         | --            | --             | --              | <50            | 1.0        | <0.5       | <0.5       | <0.5       | --            | --           |
| 08/06/93         | 80.60        | 71.52        | 9.08         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/21/93         | 80.60        | 71.46        | 9.14         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 01/05/94         | 80.60        | 72.06        | 8.54         | --            | --             | --              | <50            | 4.0        | <0.5       | <0.5       | <0.5       | --            | --           |
| 04/08/94         | 80.60        | --           | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 07/06/94         | 80.60        | INACCESSIBLE | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 08/04/94         | 80.60        | 71.66        | 8.94         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/05/94         | 80.60        | INACCESSIBLE | --           | --            | --             | --              | --             | --         | --         | --         | --         | --            | --           |
| 01/18/95         | 80.60        | 73.50        | 7.10         | --            | --             | --              | <50            | 0.69       | <0.5       | <0.5       | 0.57       | --            | --           |
| 04/07/95         | 80.60        | 72.77        | 7.83         | --            | --             | --              | <50            | 1.8        | <0.5       | <0.5       | <0.5       | --            | --           |
| 07/06/95         | 80.60        | 72.03        | 8.57         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | --            | --           |
| 10/11/95         | 80.60        | 71.54        | 9.06         | --            | --             | --              | <125           | <1.2       | <1.2       | <1.2       | <1.2       | 540           | --           |
| 01/17/96         | 80.60        | 73.20        | 7.40         | --            | --             | --              | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 180           | --           |
| 04/05/96         | 80.60        | 72.70        | 7.90         | --            | --             | --              | <125           | 1.4        | <1.2       | <1.2       | <1.2       | 700           | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl)               | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb)    | TPH-G<br>(ppb) | B<br>(ppb) | T<br>(ppb) | E<br>(ppb) | X<br>(ppb) | MTBE<br>(ppb) | TOG<br>(ppb) |
|--------------------|--------------|----------------------------|--------------|---------------|----------------|--------------------|----------------|------------|------------|------------|------------|---------------|--------------|
| <b>MW-6 (cont)</b> |              |                            |              |               |                |                    |                |            |            |            |            |               |              |
| 07/23/96           | 80.60        | 71.86                      | 8.74         | --            | --             | --                 | <500           | <5.0       | <5.0       | <5.0       | <5.0       | 540           | --           |
| 10/02/96           | 80.60        | 71.62                      | 8.98         | --            | --             | --                 | <100           | <1.0       | <1.0       | <1.0       | 1.8        | 910           | --           |
| 01/23/97           | 80.60        | INACCESSIBLE               |              | --            | --             | --                 | --             | --         | --         | --         | --         | --            | --           |
| 04/01/97           | 80.60        | 72.22                      | 8.38         | --            | --             | --                 | <250           | <2.5       | <2.5       | <2.5       | <2.5       | 640           | --           |
| 07/09/97           | 80.60        | INACCESSIBLE               |              | --            | --             | --                 | --             | --         | --         | --         | --         | --            | --           |
| 10/07/97           | 80.60        | 71.71                      | 8.89         | --            | --             | --                 | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 640           | --           |
| 01/22/98           | 80.60        | 73.90                      | 6.70         | --            | --             | --                 | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 200           | --           |
| 04/02/98           | 80.60        | 72.79                      | 7.81         | --            | --             | --                 | <250           | <2.5       | <2.5       | <2.5       | <2.5       | 480           | --           |
| 07/02/98           | 80.60        | 71.62                      | 8.98         | --            | --             | --                 | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 420           | --           |
| 10/02/98           | 80.60        | 71.68                      | 8.92         | --            | --             | --                 | <50            | <0.5       | <0.5       | <0.5       | <1.5       | 270           | --           |
| 01/18/99           | 80.60        | INACCESSIBLE               |              | --            | --             | --                 | --             | --         | --         | --         | --         | --            | --           |
| 07/22/99           | 80.60        | INACCESSIBLE               |              | --            | --             | --                 | --             | --         | --         | --         | --         | --            | --           |
| 01/17/00           | 80.60        | INACCESSIBLE               |              | --            | --             | --                 | --             | --         | --         | --         | --         | --            | --           |
| 07/05/00           | 80.60        | MONITORED/SAMPLED ANNUALLY |              |               |                | --                 | --             | --         | --         | --         | --         | --            | --           |
| 01/15/01           | 80.60        | INACCESSIBLE               |              | --            | --             | --                 | --             | --         | --         | --         | --         | --            | --           |
| <b>MW-7</b>        |              |                            |              |               |                |                    |                |            |            |            |            |               |              |
| 03/08/94           | 86.36        | 74.99                      | 11.37        | --            | <10            | 4100               | 1200           | 440        | 31         | 73         | 200        | --            | --           |
| 07/06/94           | 86.36        | --                         | --           | --            | --             | --                 | --             | --         | --         | --         | --         | --            | --           |
| 08/04/94           | 86.36        | 73.86                      | 12.50        | --            | --             | --                 | 120            | 15         | <0.5       | 3.8        | 1.8        | --            | --           |
| 10/05/94           | 86.36        | 73.99                      | 12.37        | --            | --             | --                 | 150            | 1.2        | <0.5       | 1.2        | 1.7        | --            | --           |
| 01/18/95           | 86.36        | 74.82                      | 11.54        | --            | --             | --                 | 260            | 11         | <1.0       | 17         | 6.8        | --            | --           |
| 04/07/95           | 86.36        | 75.63                      | 10.73        | --            | --             | --                 | 230            | <0.5       | <0.5       | 25         | 0.93       | --            | --           |
| 07/06/95           | 86.36        | 74.36                      | 12.00        | --            | --             | --                 | 320            | <1.0       | <1.0       | <1.0       | <1.0       | --            | 6900         |
| 10/11/95           | 86.36        | 73.56                      | 12.80        | --            | --             | 2,300 <sup>1</sup> | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 120           | --           |
| 01/17/96           | 86.36        | 75.90                      | 10.46        | --            | --             | 1700               | <50            | <0.5       | <0.5       | <0.5       | <0.5       | 460           | --           |
| 04/05/96           | 86.36        | 76.56                      | 9.80         | --            | --             | 590                | 130            | <0.5       | <0.5       | <0.5       | <0.5       | 120           | --           |
| 07/23/96           | 86.36        | 74.57                      | 11.79        | --            | --             | 820                | <500           | <5.0       | <5.0       | <5.0       | <0.5       | 1200          | --           |
| 10/02/96           | 86.36        | 73.10                      | 13.26        | --            | --             | 1500               | <100           | <1.0       | <1.0       | <1.0       | <1.0       | 360           | --           |
| 01/23/97           | 86.36        | 77.64                      | 8.72         | --            | --             | <500               | <100           | <1.0       | <1.0       | <1.0       | <1.0       | 490           | --           |
| 04/01/97           | 86.36        | 75.09                      | 11.27        | --            | --             | 1600               | <250           | <2.5       | <2.5       | <2.5       | <2.5       | 1200          | --           |
| 07/09/97           | 86.36        | 73.92                      | 12.44        | --            | --             | 5700               | <250           | 5.9        | <2.5       | <2.5       | <2.5       | 1200          | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb)   | TPH-MO<br>(ppb)    | TPH-G<br>(ppb)  | B<br>(ppb)       | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)       | MTBE<br>(ppb)        | TOG<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|------------------|--------------------|-----------------|------------------|------------------|------------------|------------------|----------------------|--------------|
| <b>MW-7 (cont)</b> |              |              |              |               |                  |                    |                 |                  |                  |                  |                  |                      |              |
| 10/07/97           | 86.36        | 73.44        | 12.92        | --            | --               | <500               | <50             | <0.5             | <0.5             | <0.5             | <0.5             | 240                  | --           |
| 01/22/98           | 86.36        | 75.14        | 11.22        | --            | --               | <500               | <50             | <0.5             | <0.5             | <0.5             | <0.5             | 400                  | --           |
| 04/02/98           | 86.36        | 75.67        | 10.69        | --            | --               | <500               | 56              | <0.5             | <0.5             | <0.5             | <0.5             | 290                  | --           |
| 07/02/98           | 86.36        | 75.94        | 10.42        | --            | --               | <500               | <50             | <0.5             | <0.5             | <0.5             | <0.5             | 380                  | --           |
| 10/02/98           | 86.36        | 74.14        | 12.22        | --            | --               | 1700               | <50             | <0.5             | <0.5             | <0.5             | <1.5             | 660                  | --           |
| 01/18/99           | 86.36        | 75.36        | 11.00        | --            | --               | 543                | <100            | <1.0             | <1.0             | <1.0             | <1.0             | 281/296 <sup>2</sup> | --           |
| 07/22/99           | 86.36        | 74.06        | 12.30        | --            | --               | --                 | <50             | <0.5             | <0.5             | <0.5             | <0.5             | 155                  | --           |
| 01/17/00           | 86.36        | 75.84        | 10.52        | --            | 256 <sup>1</sup> | 1040               | <50             | <0.5             | <0.5             | <0.5             | <0.5             | 104                  | --           |
| 07/05/00           | 86.36        | 74.23        | 12.13        | 0.00          | --               | 1,400 <sup>4</sup> | <50             | <0.50            | <0.50            | <0.50            | <0.50            | 110                  | --           |
| <b>01/15/01</b>    | <b>86.36</b> | <b>75.23</b> | <b>11.13</b> | <b>0.00</b>   | --               | <b>2,700</b>       | <b>&lt;50.0</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>84.3</b>          | --           |
| <b>MW-8</b>        |              |              |              |               |                  |                    |                 |                  |                  |                  |                  |                      |              |
| 03/08/94           | 85.93        | 75.06        | 10.87        | --            | <10              | <100               | 28,000          | 2900             | 1300             | 1200             | 6800             | --                   | --           |
| 07/06/94           | 85.93        | --           | --           | --            | --               | --                 | --              | --               | --               | --               | --               | --                   | --           |
| 08/04/94           | 85.93        | 73.77        | 12.16        | --            | --               | --                 | 22,000          | 3000             | 260              | 870              | 4400             | --                   | --           |
| 10/05/94           | 85.93        | 72.71        | 13.22        | --            | --               | --                 | 12,000          | 1800             | 34               | 4.6              | 890              | --                   | --           |
| 01/18/95           | 85.93        | 75.51        | 10.42        | --            | --               | --                 | 19,000          | 1000             | 65               | 1100             | 3500             | --                   | --           |
| 04/07/95           | 85.93        | 75.48        | 10.45        | --            | --               | --                 | 14,000          | 310              | <25              | 720              | 1700             | --                   | --           |
| 07/06/95           | 85.93        | 74.30        | 11.63        | --            | --               | --                 | 19,000          | 280              | <50              | 1200             | 2600             | --                   | --           |
| 10/11/95           | 85.93        | 73.51        | 12.42        | --            | --               | --                 | 6100            | 140              | 5.5              | 320              | 280              | 1200                 | --           |
| 01/17/96           | 85.93        | 75.95        | 9.98         | --            | --               | <500               | 12,000          | 86               | <20              | 590              | 1400             | 1100                 | --           |
| 04/05/96           | 85.93        | 75.60        | 10.33        | --            | --               | <500               | 7500            | 180              | 23               | 410              | 480              | 560                  | --           |
| 07/23/96           | 85.93        | 74.56        | 11.37        | --            | --               | <500               | 3800            | 47               | <5.0             | 350              | 84               | 1800                 | --           |
| 10/02/96           | 85.93        | 73.90        | 12.03        | --            | --               | <500               | 4400            | 65               | <5.0             | 140              | 28               | 1500                 | --           |
| 01/23/97           | 85.93        | 77.73        | 8.20         | --            | --               | <500               | 3800            | 36               | 5.9              | 140              | 36               | 910                  | --           |
| 04/01/97           | 85.93        | 75.80        | 10.13        | --            | --               | <500               | 6100            | 43               | <20              | 380              | 76               | 1800                 | --           |
| 07/09/97           | 85.93        | 73.77        | 12.16        | --            | --               | <500               | 7300            | 48               | <25              | 120              | <25              | 2400                 | --           |
| 10/07/97           | 85.93        | 73.77        | 12.16        | --            | --               | <500               | 3100            | <10              | <10              | 67               | <10              | 1400                 | --           |
| 01/22/98           | 85.93        | 75.83        | 10.10        | --            | --               | <500               | 1900            | 5.5              | 8.3              | 120              | 17               | 780                  | --           |
| 04/02/98           | 85.93        | 75.55        | 10.38        | --            | --               | <500               | 2900            | 43               | 19               | 110              | <10              | 800                  | --           |
| 07/02/98           | 85.93        | 74.78        | 11.15        | --            | --               | <500               | 5000            | 31               | <10              | 120              | 15               | 780                  | --           |
| 10/02/98           | 85.93        | 74.03        | 11.90        | --            | --               | 1,200 <sup>1</sup> | 2200            | 6.5              | <0.5             | 21               | 2.6              | 140                  | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE   | TOC<br>(fl.) | GWE<br>(msl) | DTW<br>(fl.) | SPHT<br>(fl.) | TPH-D<br>(ppb)   | TPH-MO<br>(ppb)  | TPH-G<br>(ppb)     | B<br>(ppb)      | T<br>(ppb)      | E<br>(ppb)  | X<br>(ppb)  | MTBE<br>(ppb)        | TOG<br>(ppb) |
|--------------------|--------------|--------------|--------------|---------------|------------------|------------------|--------------------|-----------------|-----------------|-------------|-------------|----------------------|--------------|
| <b>MW-8 (cont)</b> |              |              |              |               |                  |                  |                    |                 |                 |             |             |                      |              |
| 01/18/99           | 85.93        | 75.12        | 10.81        | --            | 554              | <250             | 2870               | <5.0            | <5.0            | 9.02        | <5.0        | 476/478 <sup>2</sup> | --           |
| 07/22/99           | 85.93        | 74.38        | 11.55        | --            | --               | --               | 2190               | <1.0            | <1.0            | 3.51        | 1.61        | 228                  | --           |
| 01/17/00           | 85.93        | 75.06        | 10.87        | --            | 955 <sup>1</sup> | <500             | 1220               | 1.3             | 1.56            | 1.56        | 1.87        | 344                  | --           |
| 07/05/00           | 85.93        | 74.55        | 11.38        | 0.00          | --               | 260 <sup>5</sup> | 1,900 <sup>3</sup> | 15              | 6.6             | <5.0        | <5.0        | 170                  | --           |
| <b>01/15/01</b>    | <b>85.93</b> | <b>75.59</b> | <b>10.34</b> | <b>0.00</b>   | --               | <b>&lt;250</b>   | <b>2,820</b>       | <b>&lt;1.00</b> | <b>&lt;1.00</b> | <b>5.13</b> | <b>3.90</b> | <b>110</b>           | --           |
| <b>TRIP BLANK</b>  |              |              |              |               |                  |                  |                    |                 |                 |             |             |                      |              |
| 03/12/90           | --           | --           | --           | --            | --               | --               | <50                | <0.3            | <0.3            | <0.3        | <0.6        | --                   | --           |
| 02/08/91           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 05/08/91           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 08/12/91           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 11/07/91           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 02/05/92           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 05/13/92           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 07/17/92           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 10/05/92           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 11/11/92           | --           | --           | --           | --            | --               | --               | --                 | --              | --              | --          | --          | --                   | --           |
| 11/17/92           | --           | --           | --           | --            | --               | --               | --                 | --              | --              | --          | --          | --                   | --           |
| 11/29/92           | --           | --           | --           | --            | --               | --               | --                 | --              | --              | --          | --          | --                   | --           |
| 12/01/92           | --           | --           | --           | --            | --               | --               | --                 | --              | --              | --          | --          | --                   | --           |
| 12/29/92           | --           | --           | --           | --            | --               | --               | --                 | --              | --              | --          | --          | --                   | --           |
| 01/05/93           | --           | --           | --           | --            | --               | --               | --                 | --              | --              | --          | --          | --                   | --           |
| 01/08/93           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 02/02/93           | --           | --           | --           | --            | --               | --               | --                 | --              | --              | --          | --          | --                   | --           |
| 04/14/93           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 08/06/93           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 10/21/93           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 01/05/94           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 04/08/94           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 07/06/94           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 08/04/94           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |
| 10/05/94           | --           | --           | --           | --            | --               | --               | <50                | <0.5            | <0.5            | <0.5        | <0.5        | --                   | --           |



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

| WELL ID/<br>DATE         | TOC<br>(ft.) | GWE<br>(msl) | DTW<br>(ft.) | SPHT<br>(ft.) | TPH-D<br>(ppb) | TPH-MO<br>(ppb) | TPH-G<br>(ppb)  | B<br>(ppb)       | T<br>(ppb)       | E<br>(ppb)       | X<br>(ppb)       | MTBE<br>(ppb)   | TOG<br>(ppb) |
|--------------------------|--------------|--------------|--------------|---------------|----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-----------------|--------------|
| <b>TRIP BLANK (cont)</b> |              |              |              |               |                |                 |                 |                  |                  |                  |                  |                 |              |
| 01/18/95                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | --              | --           |
| 04/07/95                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | --              | --           |
| 07/06/95                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | --              | --           |
| 10/11/95                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 01/17/96                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | --              | --           |
| 04/05/96                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 07/23/96                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 10/02/96                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | --              | --           |
| 01/23/97                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 04/01/97                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 07/09/97                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 10/07/97                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 01/22/98                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 04/02/98                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 07/02/98                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.5            | --           |
| 10/02/98                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <1.5             | <2.5            | --           |
| 01/18/99                 | --           | --           | --           | --            | --             | --              | <50             | <0.5             | <0.5             | <0.5             | <0.5             | <2.0            | --           |
| 07/05/00                 | --           | --           | --           | --            | --             | --              | <50             | <0.50            | <0.50            | <0.50            | <0.50            | <2.5            | --           |
| <b>01/15/01</b>          | --           | --           | --           | --            | --             | --              | <b>&lt;50.0</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;0.500</b> | <b>&lt;2.50</b> | --           |

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-1583  
5509 Martin Luther King Way  
Oakland, California

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**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to July 5, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

SPHT = Separate Phase Hydrocarbon Thickness

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

TOG = Total Oil & Grease

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

<sup>1</sup> Laboratory report indicates an unidentified hydrocarbon.

<sup>2</sup> Confirmation run.

<sup>3</sup> Laboratory report indicates gasoline C6-C12.

<sup>4</sup> Laboratory report indicates motor oil C16-C36.

<sup>5</sup> Laboratory report indicates unidentified hydrocarbons C9-C24.

<sup>6</sup> Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.  
The pattern more closely resembles that of a heavier fuel.

## 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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride 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 Chevron-designated 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.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-1583  
 Address: 5509 Martin Luther King  
 City: Oakland, CA

Job#: 386506  
 Date: 1-15-01  
 Sampler: BWN

Well ID: MW-1  
 Well Diameter: 2" (3") in.  
 Total Depth: 19.42 ft.  
 Depth to Water: 9.41 ft.

Well Condition: ok  
 Hydrocarbon Thickness: ∅ (feet) Amount Bailed (product/water): ∅ (Gallons)  
 Volume Factor (VF) 2" = 0.17 3" = 0.38 4" = 0.66  
 6" = 1.50 12" = 5.80

10.01 x VF .38 = 3.8 x 3 (case volume) = Estimated Purge Volume: 11.5 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 14:20  
 Sampling Time: 14:45  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? no

Weather Conditions: Sunny  
 Water Color: lt. yellow Odor: yes  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time  | Volume (gal.) | pH   | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------|---------------|------|----------------------------|--------------------------|-------------|----------|------------------|
| 14:20 | 3.8           | 6.28 | 364                        | 18.9                     |             |          |                  |
| 14:30 | 7.6           | 6.36 | 383                        | 18.6                     |             |          |                  |
| 14:40 | 11.5          | 6.33 | 391                        | 17.9                     |             |          |                  |

### LABORATORY INFORMATION

| SAMPLE ID | # - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY |  | ANALYSES          |
|-----------|---------------|---------|---------------|------------|--|-------------------|
|           |               |         |               | SEQUOIA    |  | TPH(GI)/btex/mtbe |
| MW-1      | 3 VOAVIAL     | Y       | HCL           |            |  |                   |
|           |               |         |               |            |  |                   |
|           |               |         |               |            |  |                   |

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility# Chevron 9-1583 Job#: 386506  
 Address: 5509 Martin Luther King Date: 1-15-01  
 City: Oakland, CA Sampler: BWN

Well ID MW-2 Well Condition: ok  
 Well Diameter 3" in. Hydrocarbon Thickness: \_\_\_\_\_ Amount Bailed (Gallons)  
 Total Depth 18.21 ft. Volume 2" = 0.17 3" = 0.98 4" = 0.66  
 Depth to Water 9.71 ft. Volume Factor (VF) 6" = 1.50 12" = 5.80  
8.5 X VF 3.23 = 27.4 X 3 (case volume) = Estimated Purge Volume: 9.5 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 16:20 Weather Conditions: sunny  
 Sampling Time: 16:55 Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time  | Volume (gal.) | pH   | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|-------|---------------|------|----------------------------|--------------------------|-------------|----------|------------------|
| 16:30 | 3.5           | 6.63 | 401                        | 18.7                     |             |          |                  |
| 16:40 | 3             | 6.51 | 368                        | 18.1                     |             |          |                  |
| 16:50 | 9.5           | 6.41 | 352                        | 17.8                     |             |          |                  |

### LABORATORY INFORMATION

| SAMPLE ID | (#)-CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY |  | ANALYSES         |
|-----------|---------------|---------|---------------|------------|--|------------------|
|           |               |         |               | SEQUOIA    |  | TPH(G)/btex/mtbe |
| MW-2      | 3 VOAVIAL     | Y       | HCL           | SEQUOIA    |  |                  |
|           |               |         |               |            |  |                  |
|           |               |         |               |            |  |                  |

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility# Chevron 9-1583  
 Address: 5509 Martin Luther King  
 City: Oakland, CA

Job#: 386506  
 Date: 1-15-01  
 Sampler: BWN

Well ID: MW-3  
 Well Diameter: 2" (3.11) in.  
 Total Depth: 19.00 ft.  
 Depth to Water: 10.45 ft.

Well Condition: ok  
 Hydrocarbon Thickness:  (feet)  
 Amount Bailed (product/water):  (Gallons)  

|                    |           |            |           |
|--------------------|-----------|------------|-----------|
| Volume Factor (VF) | 2" = 0.17 | 3" = 0.98  | 4" = 0.66 |
|                    | 6" = 1.50 | 12" = 5.80 |           |

8.55 x VF 38 = 3.2 x 3 (case volume) = Estimated Purge Volume: 9.5 (gal.)

Purge Equipment:  Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment:  Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 13:30  
 Sampling Time: 14:00  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? no

Weather Conditions: Sunny  
 Water Color: tan Odor: no  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time         | Volume (gal.) | pH          | Conductivity $\mu\text{mhos/cm}$ | Temperature $^{\circ}\text{C}$ | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|--------------|---------------|-------------|----------------------------------|--------------------------------|-------------|----------|------------------|
| <u>13:39</u> | <u>3.2</u>    | <u>6.67</u> | <u>364</u>                       | <u>17.7</u>                    |             |          |                  |
| <u>13:48</u> | <u>6.4</u>    | <u>6.59</u> | <u>384</u>                       | <u>17.4</u>                    |             |          |                  |
| <u>13:57</u> | <u>9.5</u>    | <u>6.46</u> | <u>404</u>                       | <u>17.0</u>                    |             |          |                  |

### LABORATORY INFORMATION

| SAMPLE ID   | (#)-CONTAINER    | REFRIG.  | PRESERV. TYPE | LABORATORY |  | ANALYSES          |
|-------------|------------------|----------|---------------|------------|--|-------------------|
|             |                  |          |               | SEQUOIA    |  | TPH(GI)/btex/mtbe |
| <u>MW-3</u> | <u>3 VOAVIAL</u> | <u>Y</u> | <u>HCL</u>    |            |  |                   |
|             |                  |          |               |            |  |                   |
|             |                  |          |               |            |  |                   |

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility # Chevron 9-1583 Job #: 386506  
 Address: 5509 Martin Luther King Date: 1-15-01  
 City: Oakland, CA Sampler: BWN

Well ID: MW-4 Well Condition: OK  
 Well Diameter: 2" / 3" in. Hydrocarbon Thickness: Ø Amount Bailed (product/water): Ø (Gallons)  
 Total Depth: 24.31 ft. Volume Factor (VF): 2" = 0.17, 3" = 0.38, 4" = 0.66  
 Depth to Water: 11.52 ft. 6" = 1.50, 12" = 5.80

12.79 x VF .17 = 2.17 x 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

Purge Equipment: Disposable Bailer Bailer, Stack, Suction, Grundfos, Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer Bailer, Pressure Bailer, Grab Sample, Other: \_\_\_\_\_

Starting Time: 12:50 Weather Conditions: Sunny  
 Sampling Time: 13:20 Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time         | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|--------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>12:57</u> | <u>2.15</u>   | <u>7.16</u> | <u>511</u>                 | <u>18.8</u>              |             |          |                  |
| <u>13:05</u> | <u>4.3</u>    | <u>7.07</u> | <u>518</u>                 | <u>18.3</u>              |             |          |                  |
| <u>13:13</u> | <u>6.5</u>    | <u>7.02</u> | <u>526</u>                 | <u>18.0</u>              |             |          |                  |

### LABORATORY INFORMATION

| SAMPLE ID   | (#) - CONTAINER         | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES |           |
|-------------|-------------------------|----------|---------------|----------------|----------|-----------|
|             |                         |          |               |                | TPH(G)   | btex/mtbe |
| <u>MW-4</u> | <u>3</u> <u>VOAVIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> |          |           |
|             |                         |          |               |                |          |           |
|             |                         |          |               |                |          |           |

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

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility# Chevron 9-1583 Job#: 386506  
 Address: 5509 Martin Luther King Date: 1-15-01  
 City: Oakland, CA Sampler: BWN

Well ID: MW-5 Well Condition: OK  
 Well Diameter: 2" / 3" in. Hydrocarbon Thickness: Ø Amount Bailed: Ø (Gallons)  
 Total Depth: 18.99 ft.  
 Depth to Water: 8.54 ft.

|                    |           |            |           |
|--------------------|-----------|------------|-----------|
| Volume Factor (VF) | 2" = 0.17 | 3" = 0.38  | 4" = 0.66 |
|                    | 6" = 1.50 | 12" = 5.80 |           |

10.45 x VF 1.7 = 1.78 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

Purge Equipment: Disposable Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 15:50 Weather Conditions: Sunny  
 Sampling Time: 16:10 Water Color: Clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time         | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|--------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>15:55</u> | <u>1.7</u>    | <u>6.68</u> | <u>504</u>                 | <u>16.7</u>              |             |          |                  |
| <u>16:00</u> | <u>3.4</u>    | <u>6.45</u> | <u>517</u>                 | <u>16.4</u>              |             |          |                  |
| <u>16:05</u> | <u>5</u>      | <u>6.41</u> | <u>526</u>                 | <u>16.1</u>              |             |          |                  |

### LABORATORY INFORMATION

| SAMPLE ID   | # - CONTAINER    | REFRIG.  | PRESERV. TYPE | LABORATORY     | ANALYSES |           |
|-------------|------------------|----------|---------------|----------------|----------|-----------|
|             |                  |          |               |                | TPH(G)   | btex/mtbe |
| <u>MW-5</u> | <u>3 VOAVIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>SEQUOIA</u> |          |           |
|             |                  |          |               |                |          |           |
|             |                  |          |               |                |          |           |

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



## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-1583 Job #: 386506  
 Address: 5509 Martin Luther King Date: 1-15-01  
 City: Oakland, CA Sampler: BWN

Well ID: MW-6 Well Condition: Unable to access Inaccessible  
 Well Diameter: 2" / 3" in. Hydrocarbon Thickness: \_\_\_\_\_ (feet) Amount Bailed (Gallons)  
 Total Depth: \_\_\_\_\_ ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water: \_\_\_\_\_ ft. Factor (VF) 6" = 1.50 12" = 5.80

\_\_\_\_\_ X VF \_\_\_\_\_ = \_\_\_\_\_ X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

Purge Equipment: Disposable Bailer, Bailer, Stack, Suction, Grundfos, Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other: \_\_\_\_\_

Starting Time: \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sampling Time: \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time | Volume (gal.) | pH | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|------|---------------|----|----------------------------|--------------------------|-------------|----------|------------------|
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |
|      |               |    |                            |                          |             |          |                  |

### LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES         |
|-----------|-----------------|---------|---------------|------------|------------------|
| MW-       | VOAVIAL         | Y       | HCL           | SEQUOIA    | TPH(G)/btex/mtbe |
|           |                 |         |               |            |                  |
|           |                 |         |               |            |                  |

COMMENTS: Unable to access car parked over well

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility# Chevron 9-1583  
 Address: 5509 Martin Luther King  
 City: Oakland, CA

Job#: 386506  
 Date: 1-15-01  
 Sampler: BWN

OK / Replaced lock & cap

Well ID MW-7  
 Well Diameter 2" / 3" in.  
 Total Depth 19.11 ft.  
 Depth to Water 11.13 ft.

Well Condition: OK / Replaced lock & cap  
 Hydrocarbon Thickness: Ø (feet) Amount Bailed (Gallons)  
 Volume Factor (VF) Ø (product/water): Ø  
 2" = 0.17      3" = 0.98      4" = 0.66  
 6" = 1.50      12" = 5.80

7.98 x VF 1.17 = 1.35 x 3 (case volume) = Estimated Purge Volume: 4 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 15:20  
 Sampling Time: 15:40  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? NO

Weather Conditions: Sunny  
 Water Color: gray      Odor: yes  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time         | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|--------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>15:24</u> | <u>1.35</u>   | <u>6.41</u> | <u>411</u>                 | <u>19.4</u>              |             |          |                  |
| <u>15:28</u> | <u>2.7</u>    | <u>6.38</u> | <u>433</u>                 | <u>18.9</u>              |             |          |                  |
| <u>15:32</u> | <u>4</u>      | <u>6.36</u> | <u>456</u>                 | <u>18.4</u>              |             |          |                  |

**LABORATORY INFORMATION**

| SAMPLE ID   | # - CONTAINER    | REFRIG.  | PRESERV. TYPE | LABORATORY |          | ANALYSES         |
|-------------|------------------|----------|---------------|------------|----------|------------------|
|             |                  |          |               | SEQUOIA    |          | TPH(G)/btex/mtbe |
| <u>MW-7</u> | <u>3 VOAVIAL</u> | <u>Y</u> | <u>HCL</u>    | <u>"</u>   | <u>"</u> | <u>Motor Oil</u> |
| <u>MW 7</u> | <u>1 AmberL</u>  | <u>Y</u> | <u>HCL</u>    |            |          |                  |

COMMENTS: Replaced lock & cap

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-1583  
 Address: 5509 Martin Luther King  
 City: Oakland, CA

Job #: 386506  
 Date: 1-15-01  
 Sampler: BWN

Well ID: MW-8  
 Well Diameter: 2" / 3" in.  
 Total Depth: 18.72 ft.  
 Depth to Water: 10.34 ft.

Well Condition: OK / Replaced lock & cap

| Hydrocarbon Thickness: | (feet)    | Amount Bailed (product/water): | (Gallons) |
|------------------------|-----------|--------------------------------|-----------|
| Volume Factor (VF)     | 2" = 0.17 | 3" = 0.38                      | 4" = 0.66 |
|                        | 6" = 1.50 | 12" = 5.80                     |           |

8.38 x VF .17 = 1.42 x 3 (case volume) = Estimated Purge Volume: 4 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 14:55  
 Sampling Time: 15:15  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? no

Weather Conditions: Sunny  
 Water Color: gray Odor: yes  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

| Time         | Volume (gal.) | pH          | Conductivity $\mu$ mhos/cm | Temperature $^{\circ}$ F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|--------------|---------------|-------------|----------------------------|--------------------------|-------------|----------|------------------|
| <u>14:59</u> | <u>1.4</u>    | <u>6.47</u> | <u>408</u>                 | <u>19.8</u>              |             |          |                  |
| <u>15:04</u> | <u>2.7</u>    | <u>6.42</u> | <u>421</u>                 | <u>19.2</u>              |             |          |                  |
| <u>15:09</u> | <u>4</u>      | <u>6.39</u> | <u>432</u>                 | <u>18.5</u>              |             |          |                  |

### LABORATORY INFORMATION

| SAMPLE ID   | # - CONTAINER | REFRIG.        | PRESERV. TYPE | LABORATORY | ANALYSES          |
|-------------|---------------|----------------|---------------|------------|-------------------|
|             |               |                |               |            | TPH(GI)/btex/mtbe |
| <u>MW-8</u> | <u>3</u>      | <u>VOAVIAL</u> | <u>Y</u>      | <u>HCL</u> | <u>SEQUOIA</u>    |
| <u>MW8</u>  |               |                |               |            | <u>Motor Oil</u>  |
|             |               |                |               |            |                   |

COMMENTS: Replaced lock & cap

Chevron Products Co.  
P.O. BOX 6004  
San Ramon, CA 94583  
FAX (925)842-8370

Chevron Facility Number #9-1583  
Facility Address 5509 MARTIN LUTHER KING, OAKLAND, CA  
Consultant Project Number 386506  
Consultant Name GETTLER-RYAN INC.  
Address 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568  
Project Contact (Name) DEANNA L. HARDING  
(Phone) 925-551-7555 (Fax Number) 925-551-7899

Chevron Contact (Name) MR. TOM BAUHS  
(Phone) (925) 842-8898  
Laboratory Name SEQUOIA  
Laboratory Service Order  
Laboratory Service Code  
Samples Collected by (Name) Ben Newton  
Signature Ben Newton

State Method:  CA  OR  WA  NW Series  CO  UT IDAHO

Remarks

| Sample Number | Number of Containers | Matrix<br>S = Soil<br>W = Water<br>A = Air<br>C = Charcoal | Sample Preservation | Date/Time | State Method: <input checked="" type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT IDAHO |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                | Lab Sample No. |           |  |          |   |
|---------------|----------------------|--|---------------------|-----------|---|--------------------------------|----------------------|------------------------|----------------------------------|------------------------------|--------------------------------|--------------------------|---|---------------|--------------------------|-----------|----------------|----------------|-----------|--|----------|---|
|               |                      |  |                     |           | BTX/NITB+TPH GAS<br>(8020 + 8015)   | BTX + TPH GAS<br>(8020 + 8015) | TPH Diesel<br>(8015) | Oxyaromatics<br>(8260) | Purgeable Hydrocarbons<br>(8010) | Purgeable Organics<br>(8260) | Extractable Organics<br>(8270) | Oil and Grease<br>(8500) | Metals (ICAP or AA)<br>Cd, Cr, Pb, Zn, Ni | BTX<br>(8020) | BTX/NITB/Naph.<br>(8020) | TPH - HCD | TPH-D Extended |                | Motor Oil |  |          |   |
| TB-LB         | 1                    | W  | HCL                 | 1-15-01   | X   |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                |                |           |  | 10145401 |   |
| MW 1          | 3                    |  |                     | 14:45     | X   |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                |                |           |  |          | 2 |
| MW 2          | 3                    |  |                     | 14:55     | X   |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                |                |           |  |          | 3 |
| MW 3          | 3                    |  |                     | 14:00     | X   |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                |                |           |  |          | 4 |
| MW 4          | 3                    |  |                     | 13:20     | X   |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                |                |           |  |          | 5 |
| MW 5          | 3                    |  |                     | 16:10     | X   |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                |                |           |  |          | 6 |
| MW 7          | 4                    |  |                     | 15:40     | X   |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                |                |           |  |          | 7 |
| MW 8          | 4                    | ↓  | ↓                   | 15:15     | X   |                                |                      |                        |                                  |                              |                                |                          |   |               |                          |           |                |                |           |  |          | 8 |

COOLER CUSTODY SEALS INTACT

NOT INTACT

COOLER TEMPERATURE 8.2°C

|   |                          |                            |   |                          |                            |          |  |
|---|--------------------------|----------------------------|---|--------------------------|----------------------------|----------|--|
| Relinquished By (Signature)<br>Ben Newton | Organization<br>G-R INC. | Date/Time<br>1-16-01 15:40 | Received By (Signature)<br>Carol Hummer | Organization<br>Sequoyia | Date/Time<br>1/16/01 15:40 | Iced Y/N | Turn Around Time (Circle Choice)<br>24 Hrs.<br>48 Hrs.<br>5 Days<br>10 Days<br>As Contracted |
| Relinquished By (Signature)               | Organization             | Date/Time                  | Received By (Signature)                 | Organization             | Date/Time                  | Iced Y/N |  |
| Relinquished By (Signature)               | Organization             | Date/Time                  | Received For Laboratory By (Signature)  |                          | Date/Time                  | Iced Y/N |  |



Sequoia  
Analytical

1455 McDowell Blvd. North, Ste. D  
Petaluma, CA 94954  
(707) 792-1865  
FAX (707) 792-0342  
www.sequoialabs.com

RECEIVED

FEB 02 2001

GETTLER-RYAN INC.  
GENERAL CONTRACTORS

January 30 , 2001

Deanna Harding  
Gettler-Ryan - Dublin  
6747 Sierra Ct, Suite J  
Dublin, CA 94568  
RE: Chevron / P101454

Enclosed are the results of analyses for samples received by the laboratory on 01/16/01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari  
Client Services Representative

CA ELAP Certificate Number 2374





Gettler-Ryan - Dublin  
6747 Sierra Ct, Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: 5509 Martin Luther King, Oakland, CA  
Project Manager: Deanna Harding

Reported:  
01/30/01 16:21

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|-----------|---------------|--------|----------------|----------------|
| TB-LB     | P101454-01    | Water  | 01/15/01 00:00 | 01/16/01 15:40 |
| MW-1      | P101454-02    | Water  | 01/15/01 14:45 | 01/16/01 15:40 |
| MW-2      | P101454-03    | Water  | 01/15/01 16:55 | 01/16/01 15:40 |
| MW-3      | P101454-04    | Water  | 01/15/01 14:00 | 01/16/01 15:40 |
| MW-4      | P101454-05    | Water  | 01/15/01 13:20 | 01/16/01 15:40 |
| MW-5      | P101454-06    | Water  | 01/15/01 16:10 | 01/16/01 15:40 |
| MW-7      | P101454-07    | Water  | 01/15/01 15:40 | 01/16/01 15:40 |
| MW-8      | P101454-08    | Water  | 01/15/01 15:15 | 01/16/01 15:40 |





Gettler-Ryan - Dublin  
 6747 Sierra Ct, Suite J  
 Dublin CA, 94568

Project: Chevron  
 Project Number: 5509 Martin Luther King, Oakland, CA  
 Project Manager: Deanna Harding

Reported:  
 01/30/01 16:21

## Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M Sequoia Analytical - Petaluma

| Analyte  | Result | Reporting Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method          | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------------|-------|
| <b>TB-LB (P101454-01) Water</b> Sampled: 01/15/01 00:00 Received: 01/16/01 15:40 |        |                 |        |          |         |          |          |                 |       |
| Gasoline   | ND     | 50.0            | ug/l   | 1        | 1010454 | 01/22/01 | 01/22/01 | EPA 8015M/8020M |       |
| Benzene  | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Toluene  | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Ethylbenzene   | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Xylenes (total)  | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Methyl tert-butyl ether  | ND     | 2.50            | "      | "        | "       | "        | "        | "               |       |
| Surrogate: a,a,a-Trifluorotoluene  |        | 108 %           | 65-135 |          | "       | "        | "        | "               |       |
| Surrogate: 4-Bromofluorobenzene  |        | 114 %           | 65-135 |          | "       | "        | "        | "               |       |
| <b>MW-1 (P101454-02) Water</b> Sampled: 01/15/01 14:45 Received: 01/16/01 15:40  |        |                 |        |          |         |          |          |                 |       |
| Gasoline   | 66.6   | 50.0            | ug/l   | 1        | 1010454 | 01/22/01 | 01/22/01 | EPA 8015M/8020M |       |
| Benzene  | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Toluene  | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Ethylbenzene   | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Xylenes (total)  | 0.585  | 0.500           | "      | "        | "       | "        | "        | "               | QR-04 |
| Methyl tert-butyl ether  | 22.5   | 2.50            | "      | "        | "       | "        | "        | "               |       |
| Surrogate: a,a,a-Trifluorotoluene  |        | 107 %           | 65-135 |          | "       | "        | "        | "               |       |
| Surrogate: 4-Bromofluorobenzene  |        | 115 %           | 65-135 |          | "       | "        | "        | "               |       |
| <b>MW-2 (P101454-03) Water</b> Sampled: 01/15/01 16:55 Received: 01/16/01 15:40  |        |                 |        |          |         |          |          |                 |       |
| Gasoline   | 555    | 50.0            | ug/l   | 1        | 1010454 | 01/22/01 | 01/22/01 | EPA 8015M/8020M | HC-14 |
| Benzene  | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Toluene  | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Ethylbenzene   | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Xylenes (total)  | ND     | 0.500           | "      | "        | "       | "        | "        | "               |       |
| Methyl tert-butyl ether  | ND     | 2.50            | "      | "        | "       | "        | "        | "               |       |
| Surrogate: a,a,a-Trifluorotoluene  |        | 109 %           | 65-135 |          | "       | "        | "        | "               |       |
| Surrogate: 4-Bromofluorobenzene  |        | 115 %           | 65-135 |          | "       | "        | "        | "               |       |





Gettler-Ryan - Dublin  
6747 Sierra Ct, Suite J  
Dublin CA, 94568

Project: Chevron  
Project Number: 5509 Martin Luther King, Oakland, CA  
Project Manager: Deanna Harding

Reported:  
01/30/01 16:21

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M**  
**Sequoia Analytical - Petaluma**

| Analyte   | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method          | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|-----------------|-------|
| <b>MW-3 (P101454-04) Water</b> Sampled: 01/15/01 14:00 Received: 01/16/01 15:40 |        |                 |       |          |         |          |          |                 |       |
| Gasoline  | 206    | 50.0            | ug/l  | 1        | 1010454 | 01/22/01 | 01/22/01 | EPA 8015M/8020M |       |
| Benzene   | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Toluene   | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Ethylbenzene  | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Xylenes (total)   | 1.09   | 0.500           | "     | "        | "       | "        | "        | "               | QR-04 |
| Methyl tert-butyl ether   | 4.04   | 2.50            | "     | "        | "       | "        | "        | "               |       |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene                                       |        | 109 %           |       | 65-135   | "       | "        | "        | "               |       |
| Surrogate: 4-Bromofluorobenzene   |        | 117 %           |       | 65-135   | "       | "        | "        | "               |       |
| <b>MW-4 (P101454-05) Water</b> Sampled: 01/15/01 13:20 Received: 01/16/01 15:40 |        |                 |       |          |         |          |          |                 |       |
| Gasoline  | ND     | 50.0            | ug/l  | 1        | 1010454 | 01/22/01 | 01/22/01 | EPA 8015M/8020M |       |
| Benzene   | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Toluene   | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Ethylbenzene  | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Xylenes (total)   | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Methyl tert-butyl ether   | ND     | 2.50            | "     | "        | "       | "        | "        | "               |       |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene                                       |        | 109 %           |       | 65-135   | "       | "        | "        | "               |       |
| Surrogate: 4-Bromofluorobenzene   |        | 115 %           |       | 65-135   | "       | "        | "        | "               |       |
| <b>MW-5 (P101454-06) Water</b> Sampled: 01/15/01 16:10 Received: 01/16/01 15:40 |        |                 |       |          |         |          |          |                 |       |
| Gasoline  | 423    | 50.0            | ug/l  | 1        | 1010454 | 01/22/01 | 01/22/01 | EPA 8015M/8020M | HC-14 |
| Benzene   | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Toluene   | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Ethylbenzene  | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Xylenes (total)   | ND     | 0.500           | "     | "        | "       | "        | "        | "               |       |
| Methyl tert-butyl ether   | ND     | 2.50            | "     | "        | "       | "        | "        | "               |       |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene                                       |        | 107 %           |       | 65-135   | "       | "        | "        | "               |       |
| Surrogate: 4-Bromofluorobenzene   |        | 117 %           |       | 65-135   | "       | "        | "        | "               |       |







Gettler-Ryan - Dublin  
6747 Sierra Ct, Suite J  
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Project: Chevron  
Project Number: 5509 Martin Luther King, Oakland, CA  
Project Manager: Deanna Harding

Reported:  
01/30/01 16:21

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M**  
**Sequoia Analytical - Petaluma**

| Analyte   | Result | Reporting Limit | Units | Dilution | Batch   | Prepared | Analyzed | Method             | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|--------------------|-------|
| <b>MW-7 (P101454-07) Water</b> <b>Sampled: 01/15/01 15:40</b> <b>Received: 01/16/01 15:40</b> |        |                 |       |          |         |          |          |                    |       |
| Gasoline  | ND     | 50.0            | ug/l  | 1        | 1010454 | 01/22/01 | 01/22/01 | EPA<br>8015M/8020M |       |
| Benzene   | ND     | 0.500           | "     | "        | "       | "        | "        | "                  | "     |
| Toluene   | ND     | 0.500           | "     | "        | "       | "        | "        | "                  | "     |
| Ethylbenzene  | ND     | 0.500           | "     | "        | "       | "        | "        | "                  | "     |
| Xylenes (total)   | ND     | 0.500           | "     | "        | "       | "        | "        | "                  | "     |
| Methyl tert-butyl ether   | 84.3   | 2.50            | "     | "        | "       | "        | "        | "                  | "     |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene   |        | 108 %           |       | 65-135   | "       | "        | "        | "                  | "     |
| Surrogate: 4-Bromofluorobenzene   |        | 114 %           |       | 65-135   | "       | "        | "        | "                  | "     |
| <b>MW-8 (P101454-08) Water</b> <b>Sampled: 01/15/01 15:15</b> <b>Received: 01/16/01 15:40</b> |        |                 |       |          |         |          |          |                    |       |
| Gasoline  | 2820   | 100             | ug/l  | 2        | 1010454 | 01/22/01 | 01/22/01 | EPA<br>8015M/8020M |       |
| Benzene   | ND     | 1.00            | "     | "        | "       | "        | "        | "                  | "     |
| Toluene   | ND     | 1.00            | "     | "        | "       | "        | "        | "                  | "     |
| Ethylbenzene  | 5.13   | 1.00            | "     | "        | "       | "        | "        | "                  | "     |
| Xylenes (total)   | 3.90   | 1.00            | "     | "        | "       | "        | "        | "                  | "     |
| Methyl tert-butyl ether   | 110    | 5.00            | "     | "        | "       | "        | "        | "                  | "     |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene   |        | 93.3 %          |       | 65-135   | "       | "        | "        | "                  | "     |
| Surrogate: 4-Bromofluorobenzene   |        | 122 %           |       | 65-135   | "       | "        | "        | "                  | "     |





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Project: Chevron  
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Project Manager: Deanna Harding

Reported:  
01/30/01 16:21

**Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M**

**Sequoia Analytical - Petaluma**

| Analyte   | Result | Reporting Limit | Units  | Dilution | Batch   | Prepared | Analyzed | Method            | Notes |
|---|--------|-----------------|--------|----------|---------|----------|----------|-------------------|-------|
| <b>MW-7 (P101454-07) Water</b> <b>Sampled: 01/15/01 15:40</b> <b>Received: 01/16/01 15:40</b> |        |                 |        |          |         |          |          |                   |       |
| Motor Oil (C24-C36)   | 2.70   | 0.250           | mg/l   | 1        | 1010576 | 01/25/01 | 01/27/01 | EPA<br>8015M-SVOA |       |
| Surrogate: o-Terphenyl  |        | 90.4 %          | 50-150 |          | "       | "        | "        | "                 |       |
| <b>MW-8 (P101454-08) Water</b> <b>Sampled: 01/15/01 15:15</b> <b>Received: 01/16/01 15:40</b> |        |                 |        |          |         |          |          |                   |       |
| Motor Oil (C24-C36)   | ND     | 0.250           | mg/l   | 1        | 1010576 | 01/25/01 | 01/27/01 | EPA<br>8015M-SVOA |       |
| Surrogate: o-Terphenyl  |        | 88.9 %          | 50-150 |          | "       | "        | "        | "                 |       |





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Reported:  
01/30/01 16:21

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M - Quality Control  
Sequoia Analytical - Petaluma**

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

**Batch 1010454 - EPA 5030, waters**

**Blank (1010454-BLK1)**

Prepared & Analyzed: 01/22/01

|                                   |     |       |      |     |  |     |        |  |  |  |
|-----------------------------------|-----|-------|------|-----|--|-----|--------|--|--|--|
| Gasoline                          | ND  | 50.0  | ug/l |     |  |     |        |  |  |  |
| Benzene                           | ND  | 0.500 | "    |     |  |     |        |  |  |  |
| Toluene                           | ND  | 0.500 | "    |     |  |     |        |  |  |  |
| Ethylbenzene                      | ND  | 0.500 | "    |     |  |     |        |  |  |  |
| Xylenes (total)                   | ND  | 0.500 | "    |     |  |     |        |  |  |  |
| Methyl tert-butyl ether           | ND  | 2.50  | "    |     |  |     |        |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 319 |       | "    | 300 |  | 106 | 65-135 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 339 |       | "    | 300 |  | 113 | 65-135 |  |  |  |

**LCS (1010454-BS1)**

Prepared & Analyzed: 01/22/01

|                                   |      |       |      |      |  |      |        |  |  |  |
|-----------------------------------|------|-------|------|------|--|------|--------|--|--|--|
| Gasoline                          | 2120 | 50.0  | ug/l | 2750 |  | 77.1 | 65-135 |  |  |  |
| Benzene                           | 28.5 | 0.500 | "    | 32.0 |  | 89.1 | 65-135 |  |  |  |
| Toluene                           | 161  | 0.500 | "    | 193  |  | 83.4 | 65-135 |  |  |  |
| Ethylbenzene                      | 40.8 | 0.500 | "    | 46.0 |  | 88.7 | 65-135 |  |  |  |
| Xylenes (total)                   | 209  | 0.500 | "    | 231  |  | 90.5 | 65-135 |  |  |  |
| Methyl tert-butyl ether           | 58.6 | 2.50  | "    | 52.0 |  | 113  | 65-135 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 345  |       | "    | 300  |  | 115  | 65-135 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 348  |       | "    | 300  |  | 116  | 65-135 |  |  |  |

**Matrix Spike (1010454-MS1)**

Source: P101454-02

Prepared & Analyzed: 01/22/01

|                                   |      |       |      |      |       |      |        |  |  |  |
|-----------------------------------|------|-------|------|------|-------|------|--------|--|--|--|
| Gasoline                          | 2340 | 50.0  | ug/l | 2750 | 66.6  | 82.7 | 65-135 |  |  |  |
| Benzene                           | 29.0 | 0.500 | "    | 32.0 | ND    | 90.6 | 65-135 |  |  |  |
| Toluene                           | 164  | 0.500 | "    | 193  | ND    | 85.0 | 65-135 |  |  |  |
| Ethylbenzene                      | 42.4 | 0.500 | "    | 46.0 | ND    | 92.2 | 65-135 |  |  |  |
| Xylenes (total)                   | 215  | 0.500 | "    | 231  | 0.585 | 92.8 | 65-135 |  |  |  |
| Methyl tert-butyl ether           | 79.9 | 2.50  | "    | 52.0 | 22.5  | 110  | 65-135 |  |  |  |
| Surrogate: a,a,a-Trifluorotoluene | 338  |       | "    | 300  |       | 113  | 65-135 |  |  |  |
| Surrogate: 4-Bromofluorobenzene   | 361  |       | "    | 300  |       | 120  | 65-135 |  |  |  |





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Project: Chevron  
Project Number: 5509 Martin Luther King, Oakland, CA  
Project Manager: Deanna Harding

Reported:  
01/30/01 16:21

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M - Quality Control  
Sequoia Analytical - Petaluma**

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

**Batch 1010454 - EPA 5030, waters**

**Matrix Spike Dup (1010454-MSD1)**

Source: P101454-02

Prepared & Analyzed: 01/22/01

|                                   |      |       |      |      |       |      |        |       |    |  |
|-----------------------------------|------|-------|------|------|-------|------|--------|-------|----|--|
| Gasoline                          | 2370 | 50.0  | ug/l | 2750 | 66.6  | 83.8 | 65-135 | 1.27  | 20 |  |
| Benzene                           | 29.2 | 0.500 | "    | 32.0 | ND    | 91.3 | 65-135 | 0.687 | 20 |  |
| Toluene                           | 165  | 0.500 | "    | 193  | ND    | 85.5 | 65-135 | 0.608 | 20 |  |
| Ethylbenzene                      | 44.2 | 0.500 | "    | 46.0 | ND    | 96.1 | 65-135 | 4.16  | 20 |  |
| Xylenes (total)                   | 219  | 0.500 | "    | 231  | 0.585 | 94.6 | 65-135 | 1.84  | 20 |  |
| Methyl tert-butyl ether           | 81.5 | 2.50  | "    | 52.0 | 22.5  | 113  | 65-135 | 1.98  | 20 |  |
| Surrogate: a,a,a-Trifluorotoluene | 339  |       | "    | 300  |       | 113  | 65-135 |       |    |  |
| Surrogate: 4-Bromofluorobenzene   | 366  |       | "    | 300  |       | 122  | 65-135 |       |    |  |





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Project: Chevron  
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Project Manager: Deanna Harding

Reported:  
01/30/01 16:21

**Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M - Quality Control  
Sequoia Analytical - Petaluma**

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

**Batch 1010576 - EPA 3510B**

**Blank (1010576-BLK1)**

Prepared: 01/25/01 Analyzed: 01/27/01

|                        |        |        |      |       |  |      |        |  |  |  |
|------------------------|--------|--------|------|-------|--|------|--------|--|--|--|
| Diesel (C10-C24)       | ND     | 0.0500 | mg/l |       |  |      |        |  |  |  |
| Motor Oil (C24-C36)    | ND     | 0.250  | "    |       |  |      |        |  |  |  |
| Surrogate: o-Terphenyl | 0.0920 |        | "    | 0.100 |  | 92.0 | 50-150 |  |  |  |

**LCS (1010576-BS1)**

Prepared: 01/25/01 Analyzed: 01/27/01

|                        |        |        |      |       |  |      |        |  |  |  |
|------------------------|--------|--------|------|-------|--|------|--------|--|--|--|
| Diesel (C10-C24)       | 0.752  | 0.0500 | mg/l | 1.00  |  | 75.2 | 50-150 |  |  |  |
| Surrogate: o-Terphenyl | 0.0902 |        | "    | 0.100 |  | 90.2 | 50-150 |  |  |  |

**LCS Dup (1010576-BSD1)**

Prepared: 01/25/01 Analyzed: 01/27/01

|                        |        |        |      |       |  |      |        |      |    |  |
|------------------------|--------|--------|------|-------|--|------|--------|------|----|--|
| Diesel (C10-C24)       | 0.764  | 0.0500 | mg/l | 1.00  |  | 76.4 | 50-150 | 1.58 | 20 |  |
| Surrogate: o-Terphenyl | 0.0896 |        | "    | 0.100 |  | 89.6 | 50-150 |      |    |  |





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Dublin CA, 94568

Project: Chevron  
Project Number: 5509 Martin Luther King, Oakland, CA  
Project Manager: Deanna Harding

Reported:  
01/30/01 16:21

**Notes and Definitions**

- HC-14 Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier fuel.
- QR-04 Results between the primary and confirmation columns varied by greater than 40% RPD.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

