**Environmental Management Company**
6001 Bollinger Canyon Rd, K2256
P.O. Box 6012
San Ramon, CA 94583-2324
Tel 925-842-1589
Fax 925-842-8370

**Karen Streich**
Project Manager

Bdt

RO-439

**ChevronTexaco**

January 24, 2005

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



Re: Chevron Service Station #9-0917

Address: 5280 Hopyard Road, Pleasanton, California

I have reviewed the attached routine groundwater monitoring report dated January 7, 2005.

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

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

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

Sincerely,

Karen Streich

Karen Streich
Project Manager

Enclosure: Report

# GETTLER-RYAN INC.

## TRANSMITTAL

January 7, 2005
G-R #385242

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

CC: Mr. Robert Foss
Cambria Environmental, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608



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

RE: **Chevron Service Station**
**#9-0917**
**5280 Hopyard Road**
**Pleasanton, California**

WE HAVE ENCLOSED THE FOLLOWING:

| COPIES | DATED | DESCRIPTION |
|---|---|---|
| 1 | January 5, 2005 | Groundwater Monitoring and Sampling Report<br>Fourth Quarter - Event of November 30, 2004 |

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***January 21, 2005,*** at which time the final report will be distributed to the following:

cc: Mr. Eddie So, RWQCB - San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612
Mr. Dan Christopoulos, Christopoulos Properties, 43 Panoramic Way, Walnut Creek, CA 94595-1605
Lamorinda Development and Investment, 89 Davis Road, Suite 160, Orinda, CA 94563
Mr. Bill Hurtido, Accor North America, 4001 International Parkway, Carrollton, TX 75007
Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Enclosures



6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • **Rancho Cordova**, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • **Petaluma**, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

# GETTLER-RYAN INC.

January 5, 2005
G-R Job #385242

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

**RE: Fourth Quarter Event of November 30, 2004**
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

Dear Ms. Streich:

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

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

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

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

Sincerely,

Anamarie Nevcau
-FOR-

Deanna L. Harding
Project Coordinator

REGISTERED GEOLOGIST • ROBERT A. LAURITZEN • No. 7504 • STATE OF CALIFORNIA

Robert A. Lauritzen
Senior Geologist, R.G. No. 7504

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

6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
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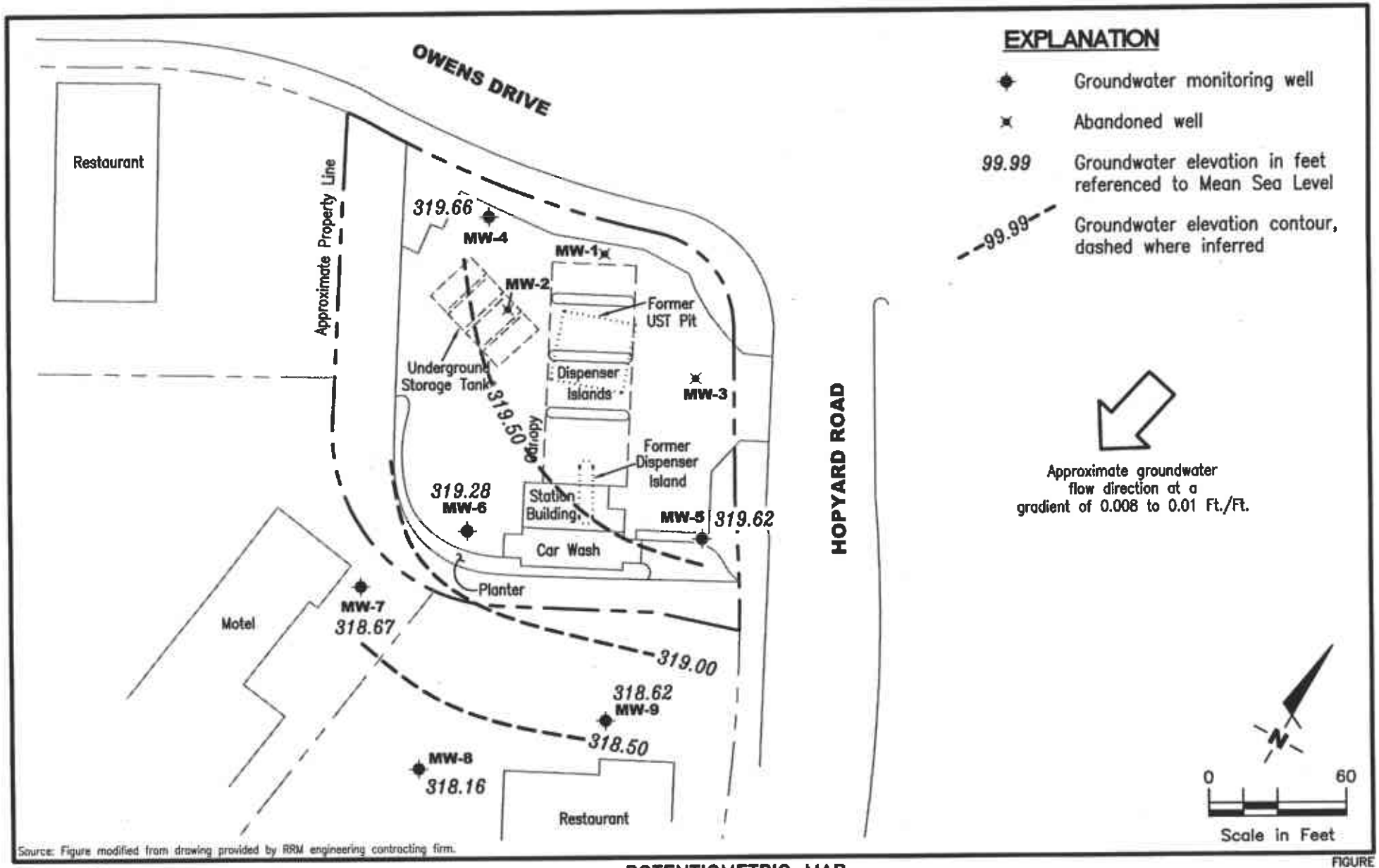


Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

**POTENTIOMETRIC MAP**
Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

FIGURE
1

| PROJECT NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 385242 | | November 30, 2004 | |

FILE NAME: P:\Enviro\Chevron\9-0917\Q04-9-0917.DWG | Layout Tab: Pot4

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| MW-4 | | | | | | | | | |
| 09/16/91 | 327.28 | 317.69 | 9.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/22/92 | 327.28 | 317.79 | 9.49 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/26/92 | 327.28 | 318.39 | 8.89 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/05/92 | 327.28 | 318.06 | 9.22 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/23/92 | 327.28 | 317.93 | 9.35 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/30/92 | 327.28 | 319.00 | 8.28 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/22/93 | 327.28 | 319.03 | 8.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/14/93 | 327.28 | 318.12 | 9.16 | -- | -- | -- | -- | -- | -- |
| 07/25/93 | 327.28 | 318.18 | 9.10 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/23/93 | 327.28 | 318.58 | 8.70 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/28/93 | 327.28 | 317.38 | 9.90 | <50 | <0.5 | <0.5 | <0.5 | 0.5 | -- |
| 03/21/94 | 327.28 | 318.03 | 9.25 | <50 | 1.0 | 2.0 | 0.5 | 1.9 | -- |
| 06/07/94 | 327.28 | 318.23 | 9.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/07/94 | 327.28 | 318.31 | 8.97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/29/94 | 327.28 | 318.06 | 9.22 | <50 | <0.5 | 1.1 | 0.8 | 2.7 | -- |
| 03/06/95 | 327.28 | 318.26 | 9.02 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/14/95 | 327.28 | 318.47 | 8.81 | 170 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/14/95 | 327.28 | 318.00 | 9.28 | <50 | 1.0 | <0.5 | 1.6 | <0.5 | -- |
| 12/16/95 | 327.28 | 319.42 | 7.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 150 |
| 03/28/96 | 327.28 | 318.94 | 8.34 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 53 |
| 06/28/96 | 327.28 | 318.79 | 8.49 | 70 | <0.5 | <0.5 | <0.5 | <0.5 | 92 |
| 09/26/96 | 327.28 | 318.84 | 8.44 | -- | -- | -- | -- | -- | -- |
| 12/30/96 | 327.28 | 319.10 | 8.18 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 100 |
| 03/13/97 | 327.28 | 318.43 | 8.85 | -- | -- | -- | -- | -- | -- |
| 06/30/97 | 327.28 | 318.79 | 8.49 | 260 | <0.5 | <0.5 | <0.5 | <0.5 | 330 |
| 09/30/97 | 326.93 | 318.32 | 8.61 | -- | -- | -- | -- | -- | -- |
| 12/31/97 | 326.93 | 318.40 | 8.53 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 170 |
| 04/02/98 | 326.93 | 317.98 | 8.95 | -- | -- | -- | -- | -- | -- |
| 06/29/98 | 326.93 | 318.21 | 8.72 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 150 |
| 09/16/98 | 326.93 | 317.59 | 9.34 | -- | -- | -- | -- | -- | -- |
| 12/23/98 | 326.93 | 318.18 | 8.75 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 210 |
| 03/26/99 | 326.93 | 317.79 | 9.14 | <100 | <1.0 | <1.0 | <1.0 | <1.0 | 303 |
| 06/25/99 | 326.93 | 317.72 | 9.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 228/237[1] |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-4 (cont)** | | | | | | | | | |
| 09/16/99 | 326.93 | 317.01 | 9.92 | -- | -- | -- | -- | -- | -- |
| 12/15/99 | 326.93 | 318.32 | 8.61 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 310 |
| 03/07/00 | 326.93 | 318.59 | 8.34 | -- | -- | -- | -- | -- | -- |
| 06/19/00 | 326.93 | 318.84 | 8.09 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 370 |
| 09/18/00 | 326.93 | 318.21 | 8.72 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 326 |
| 12/01/00 | 326.93 | 318.03 | 8.90 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 478 |
| 03/13/01 | 326.93 | 318.96 | 7.97 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 9.53 |
| 06/01/01 | 326.93 | 318.62 | 8.31 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5/<2.0[7] |
| 09/07/01 | 326.94 | 318.49 | 8.45 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | 400 |
| 12/05/01 | 326.94 | 319.44 | 7.50 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | 350 |
| 03/26/02 | 326.94 | 318.96 | 7.98 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | 340 |
| 06/14/02 | 326.94 | 319.10 | 7.84 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | 290 |
| 09/20/02 | 326.94 | 319.66 | 7.28 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | 420 |
| 12/12/02 | 326.94 | 320.18 | 6.76 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | 43/42[7] |
| 03/07/03 | 326.94 | 320.78 | 6.16 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | 550/430[7] |
| 06/06/03[9] | 326.94 | 321.33 | 5.61 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3 |
| 09/05/03[9] | 326.94 | 319.29 | 7.65 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 11 |
| 12/15/03[9] | 326.94 | 319.63 | 7.31 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 5 |
| 03/15/04[9] | 326.94 | 319.02 | 7.92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 06/14/04[9] | 326.94 | 318.69 | 8.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 17 |
| 09/02/04[9] | 326.94 | 319.55 | 7.39 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 0.5 |
| **11/30/04[9]** | **326.94** | **319.66** | **7.28** | **<50** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** |
| **MW-5** | | | | | | | | | |
| 09/16/91 | 327.82 | 317.76 | 10.06 | 12,000 | 4,000 | 29 | 1,600 | 92 | -- |
| 01/22/92 | 327.82 | 317.24 | 10.58 | 44,000 | 2,000 | 320 | 5,700 | 2,400 | -- |
| 03/26/92 | 327.82 | 318.64 | 9.18 | 39,000 | 3,200 | 210 | 5,700 | 2,400 | -- |
| 06/05/92 | 327.82 | 317.92 | 9.90 | 28,000 | 3,800 | 140 | 4,000 | 2,000 | -- |
| 09/23/92 | 327.82 | 317.85 | 9.97 | 40,000 | 2,000 | 290 | 2,900 | 1,800 | -- |
| 12/30/92 | 327.82 | 319.02 | 8.80 | 44,000 | 9,000 | 190 | 3,100 | 1,600 | -- |
| 03/22/93 | 327.82 | 318.49 | 9.33 | 43,000 | 6,500 | 170 | 2,400 | 2,400 | -- |
| 06/14/93 | 327.82 | 318.04 | 9.78 | -- | -- | -- | -- | -- | -- |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-5 (cont)** | | | | | | | | | |
| 07/25/93 | 327.82 | 318.10 | 9.72 | 43,000 | 550 | 45 | 2,700 | 1,100 | -- |
| 09/23/93 | 327.82 | 318.40 | 9.42 | 44,000 | 14,000 | 640 | 3,700 | 1,800 | -- |
| 12/28/93 | 327.82 | 318.15 | 9.67 | 56,000 | 12,000 | 590 | 4,100 | 1,600 | -- |
| 03/21/94 | 327.82 | 318.11 | 9.71 | 48,000 | 12,000 | 600 | 4,700 | 1,600 | -- |
| 06/07/94 | 327.82 | 318.10 | 9.72 | 42,000 | 13,000 | 480 | 3,700 | 1,200 | -- |
| 10/07/94 | 327.82 | 318.27 | 9.55 | 15,000 | 1,100 | 41 | 950 | 34 | -- |
| 12/29/94 | 327.82 | 317.90 | 9.92 | 45,000 | 12,000 | 460 | 3,600 | 1,400 | -- |
| 03/06/95 | 327.82 | 318.50 | 9.32 | 40,000 | 9,700 | 210 | 3,500 | 700 | -- |
| 06/14/95 | 327.82 | 318.41 | 9.41 | 42,000 | 8,000 | 170 | 3,700 | 640 | -- |
| 09/14/95 | 327.82 | 317.30 | 10.52 | 26,000 | 4,100 | 85 | 2,000 | 270 | -- |
| 12/16/95 | 327.82 | 319.48 | 8.34 | 35,000 | 7,300 | <0.5 | 2,900 | 420 | <500 |
| 03/28/96 | 327.82 | 318.09 | 9.73 | 30,000 | 5,200 | 160 | 3,500 | 600 | <250 |
| 06/28/96 | 327.82 | 318.37 | 9.45 | 26,000 | 4,300 | 60 | 2,100 | 200 | 680 |
| 09/26/96 | 327.82 | 317.95 | 9.87 | 15,000 | 2,700 | 59 | 1,300 | 140 | 400 |
| 12/30/96 | 327.82 | 318.82 | 9.00 | 34,000 | 4,600 | 120 | 2,800 | 660 | 310 |
| 03/13/97 | 327.82 | 318.33 | 9.49 | 13,000 | 1,900 | 34 | 1,300 | 220 | 76 |
| 06/30/97 | 327.82 | 318.19 | 9.63 | 11,000 | 1,800 | 19 | 84 | 94 | 160 |
| 10/01/97 | 327.82 | 318.08 | 9.74 | 27,000 | 4,700 | 120 | 3,700 | 330 | 310 |
| 12/31/97 | 327.82 | 318.34 | 9.48 | 34,000 | 8,000 | 130 | 3,400 | 3,900 | <500 |
| 04/02/98 | 327.82 | 317.44 | 10.38 | 27,000 | 4,600 | 65 | 3,400 | 270 | 270 |
| 06/29/98 | 327.82 | 317.79 | 10.03 | 16,000 | 3,000 | <50 | 1,800 | 220 | 290 |
| 09/16/98 | 327.82 | 318.84 | 8.98 | 9,700 | 2,700 | 52 | 1,400 | 210 | <250 |
| 12/23/98 | 327.82 | 318.00 | 9.82 | 5,100 | 1,600 | 18 | 570 | 39 | 130 |
| 03/26/99[2] | 327.82 | 318.26 | 9.56 | 25,800 | 4,410 | 58.4 | 2,550 | 57.2 | 137 |
| 06/25/99 | 327.82 | INACCESSIBLE | -- | -- | -- | -- | -- | -- | -- |
| 09/16/99 | 327.82 | 317.51 | 10.31 | 8,850 | 1,310 | 20.3 | 802 | 120 | 155 |
| 12/15/99 | 327.82 | 317.52 | 10.30 | 10,000 | 2,800 | 33 | 1,600 | 160 | 250 |
| 03/07/00 | 327.82 | 318.29 | 9.53 | 18,700 | 3,830 | 95.6 | 1,900 | 305 | 309 |
| 06/19/00[3] | 327.82 | 318.90 | 8.92 | 1,000[4] | 290 | 3.4 | <1.0 | 14 | 52 |
| 09/18/00[3,6] | 327.82 | 318.18 | 9.64 | 924[5] | 205 | <5.00 | <5.00 | <5.00 | 83.1 |
| 12/01/00[3] | 327.82 | 318.05 | 9.77 | <50.0 | 0.878 | <0.500 | <0.500 | <0.500 | <5.00 |
| 03/13/01[3] | 327.82 | 318.67 | 9.15 | 333 | 55.0 | 0.803 | 21.8 | 1.44 | 2.07 |
| 06/01/01[3] | 327.82 | 317.71 | 10.11 | 130[4] | 36 | <0.50 | <0.50 | <0.50 | 7.8/<2.0[7] |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-5 (cont)** | | | | | | | | | |
| 09/07/01[8] | 327.82 | 318.43 | 9.39 | 2,600 | 330 | <10 | 200 | 12 | 14 |
| 12/05/01 | 327.82 | 319.57 | 8.25 | 25,000 | 730 | 36 | 2,900 | 650 | <25 |
| 03/26/02 | 327.82 | 319.44 | 8.38 | 25,000 | 1,500 | 31 | 2,100 | 400 | <100 |
| 06/14/02 | 327.82 | 320.18 | 7.64 | 27,000 | 900 | 52 | 2,400 | 320 | <50 |
| 09/20/02 | 327.82 | 320.45 | 7.37 | 26,000 | 450 | 50 | 2,400 | 1,100 | <100 |
| 12/12/02 | 327.82 | 320.33 | 7.49 | 23,000 | 260 | 32 | 1,900 | 1,100 | <50/<2[7] |
| 03/07/03 | 327.82 | 320.38 | 7.44 | 21,000 | 270 | 39 | 2,000 | 1,100 | <25/<1[7] |
| 06/06/03[9] | 327.82 | 321.10 | 6.72 | 1,700 | 22 | 3 | 190 | 140 | <0.5 |
| 09/05/03[9] | 327.82 | 318.90 | 8.92 | 20,000 | 170 | 23 | 1,200 | 1,100 | <2 |
| 12/15/03[9] | 327.82 | 319.47 | 8.35 | 22,000 | 240 | 23 | 1,300 | 970 | <1 |
| 03/15/04[9] | 327.82 | 318.80 | 9.02 | 17,000 | 150 | 20 | 1,400 | 790 | <1 |
| 06/14/04[9] | 327.82 | 319.45 | 8.37 | 15,000 | 100 | 12 | 1,300 | 730 | <1 |
| 09/02/04[9] | 327.82 | 319.92 | 7.90 | 12,000 | 81 | 12 | 960 | 600 | <3 |
| **11/30/04[9]** | **327.82** | **319.62** | **8.20** | **13,000** | **54** | **8** | **750** | **280** | **<1** |
| **MW-6** | | | | | | | | | |
| 09/16/91 | 328.48 | 317.87 | 10.61 | 6,200 | 1,300 | 3.9 | 550 | 78 | -- |
| 01/22/92 | 328.48 | 318.18 | 10.30 | 18,000 | 2,800 | 48 | 2,000 | 440 | -- |
| 03/26/92 | 328.48 | 318.98 | 9.50 | 21,000 | 3,300 | 17 | 2,100 | 300 | -- |
| 06/05/92 | 328.48 | 318.14 | 10.34 | 14,000 | 2,800 | 9.2 | 1,800 | 270 | -- |
| 09/23/92 | 328.48 | 317.92 | 10.56 | 19,000 | 1,000 | 40 | 1,200 | 230 | -- |
| 12/30/92 | 328.48 | 318.71 | 9.75 | 15,000 | 1,100 | <5.0 | 1,000 | 77 | -- |
| 03/22/93 | 328.48 | 319.21 | 9.27 | 15,000 | 1,300 | 10 | 770 | 220 | -- |
| 06/14/93 | 328.48 | 318.33 | 10.15 | -- | -- | -- | -- | -- | -- |
| 07/25/93 | 328.48 | 318.23 | 10.25 | 6,400 | 630 | <2.5 | 440 | 6.0 | -- |
| 09/23/93 | 328.48 | 318.31 | 10.17 | 9,500 | 1,000 | 23 | 690 | 110 | -- |
| 12/28/93 | 328.48 | 317.96 | 10.52 | 11,000 | 890 | 31 | 730 | 48 | -- |
| 03/21/94 | 328.48 | 318.20 | 10.28 | 5,700 | 380 | 10 | 270 | 22 | -- |
| 06/07/94 | 328.48 | 318.20 | 10.28 | 5,300 | 600 | 4.4 | 370 | 26 | -- |
| 10/07/94 | 328.48 | 318.06 | 10.42 | 2,600 | 270 | <5.0 | 110 | <5.0 | -- |
| 12/29/94 | 328.48 | 318.23 | 10.25 | 4,500 | 560 | 6.2 | 360 | <5.0 | -- |
| 03/06/95 | 328.48 | 319.12 | 9.36 | 4,100 | 480 | 15 | 290 | 20 | -- |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-6 (cont)** | | | | | | | | | |
| 06/14/95 | 328.48 | 318.37 | 10.11 | 2,800 | 180 | 6.9 | 110 | 6.6 | -- |
| 09/14/95 | 328.48 | 318.21 | 10.27 | 3,100 | 370 | <0.5 | 250 | <0.5 | -- |
| 12/16/95 | 328.48 | 319.21 | 9.27 | 1,900 | 210 | <0.5 | 76 | <0.5 | <13 |
| 03/28/96 | 328.48 | 319.13 | 9.35 | 1,000 | 120 | <0.5 | 64 | <0.5 | <5.0 |
| 06/28/96 | 328.48 | 318.70 | 9.78 | 950 | 110 | 0.8 | 44 | <0.5 | 22 |
| 09/26/96 | 328.48 | 319.02 | 9.46 | 1,100 | 120 | 1.6 | 48 | <0.5 | 17 |
| 12/30/96 | 328.48 | 319.45 | 9.03 | 3,200 | 260 | 2.3 | 120 | <0.5 | 23 |
| 03/13/97 | 328.48 | 318.76 | 9.72 | 2,000 | 250 | <0.5 | 110 | <0.5 | <5.0 |
| 06/30/97 | 328.48 | 318.81 | 9.67 | 470 | <0.5 | 1.2 | <0.5 | <0.5 | <5.0 |
| 10/01/97 | 327.82 | 318.53 | 9.29 | 1,500 | 120 | 3.4 | 27 | <0.5 | 20 |
| 12/31/97 | 327.82 | 317.61 | 10.21 | 1,500 | 79 | <2.5 | 28 | <2.5 | <12 |
| 04/02/98 | 327.82 | 318.86 | 8.96 | 760 | 48 | 2.3 | 9.9 | <1.0 | 15 |
| 06/29/98 | 327.82 | 318.45 | 9.37 | 340 | 29 | <2.5 | 7.1 | <2.5 | 18 |
| 09/16/98 | 327.82 | 318.60 | 9.22 | 340 | 18 | 1.4 | 5.6 | <1.0 | 18 |
| 12/23/98 | 327.82 | 317.51 | 10.31 | 390 | 5.4 | 1.2 | 0.58 | 1.2 | 15 |
| 03/26/99[2] | 327.82 | 317.91 | 9.91 | 1,310 | 132 | 18.5 | 38.5 | 1.88 | 19.1 |
| 06/25/99 | 327.82 | 317.50 | 10.32 | 856 | 37.4 | 5.2 | 10.7 | <0.5 | <2.0/<5.0[1] |
| 09/16/99 | 327.82 | 317.28 | 10.54 | <50 | 1.19 | <0.5 | <0.5 | <0.5 | <5.0 |
| 12/15/99 | 327.82 | 319.33 | 8.49 | 1,400 | 110 | <5.0 | 35 | <5.0 | 37 |
| 03/07/00 | 327.82 | 318.60 | 9.22 | 1,200 | 97.9 | 2.16 | 44.8 | <1.25 | 26 |
| 06/19/00[3] | 327.82 | 318.42 | 9.40 | 160[1] | 1.4 | 0.73 | 5.4 | 2.4 | 7.9 |
| 09/18/00[3,6] | 327.82 | 317.74 | 10.08 | 234[5] | <0.500 | 1.72 | <0.500 | <0.500 | <5.00 |
| 12/01/00[3] | 327.82 | 317.56 | 10.26 | 79.5[5] | 1.74 | <0.500 | <0.500 | <0.500 | <5.00 |
| 03/13/01[3] | 327.82 | 318.53 | 9.29 | 180 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 |
| 06/01/01[3] | 327.82 | 317.24 | 10.58 | 280[4] | 4.1 | 0.62 | <0.50 | <0.50 | 25/<2.0[7] |
| 09/07/01[8] | 327.83 | 317.92 | 9.91 | 1,200 | 70 | <0.50 | 42 | 1.9 | <2.5 |
| 12/05/01 | 327.83 | 319.02 | 8.81 | 1,600 | 45 | <2.0 | 26 | <1.5 | <2.5 |
| 03/26/02 | 327.83 | 318.90 | 8.93 | 590 | 6.0 | <0.50 | <0.50 | <1.5 | <2.5 |
| 06/14/02 | 327.83 | 318.97 | 8.86 | 740 | 15 | <0.50 | <0.50 | <1.5 | <2.5 |
| 09/20/02 | 327.83 | 319.83 | 8.00 | 770 | 9.8 | 1.9 | 0.71 | <1.5 | <2.5 |
| 12/12/02 | 327.83 | 319.83 | 8.00 | 780 | 5.7 | <0.50 | <0.50 | <1.5 | <2.5/<2[7] |
| 03/07/03 | 327.83 | 320.05 | 7.78 | 1,100 | 130 | <0.50 | 19 | <1.5 | <2.5/<0.5[7] |
| 06/06/03[9] | 327.83 | 320.79 | 7.04 | 61 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-6 (cont)** | | | | | | | | | |
| 09/05/03[9] | 327.83 | 318.79 | 9.04 | 390 | <0.5 | <0.5 | <0.5 | <0.5 | 0.9 |
| 12/15/03[9] | 327.83 | 319.24 | 8.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 03/15/04[9] | 327.83 | 318.92 | 8.91 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 06/14/04[9] | 327.83 | 318.62 | 9.21 | 700 | <0.5 | <0.5 | <0.5 | <0.5 | 19 |
| 09/02/04[9] | 327.83 | 319.14 | 8.69 | 610 | <0.5 | <0.5 | <0.5 | <0.5 | 15 |
| **11/30/04[9]** | **327.83** | **319.28** | **8.55** | **290** | **0.9** | **<0.5** | **<0.5** | **<0.5** | **14** |
| **MW-7** | | | | | | | | | |
| 06/17/97 | 326.37 | 318.32 | 8.05 | ND | ND | ND | ND | ND | ND |
| 09/30/97 | 326.37 | 318.78 | 7.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 12/31/97 | 326.37 | 318.49 | 7.88 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/02/98 | 326.37 | 319.06 | 7.31 | <50 | 2.6 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/29/98 | 326.37 | 318.39 | 7.98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/16/98 | 326.37 | 318.55 | 7.82 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/23/98 | 326.37 | 318.37 | 8.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/26/99 | 326.37 | 318.43 | 7.94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 06/25/99 | 326.37 | 318.65 | 7.72 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 09/16/99 | 326.37 | 317.61 | 8.76 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 12/15/99 | 326.37 | 318.42 | 7.95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/07/00 | 326.37 | 319.38 | 6.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/19/00 | 326.37 | 318.64 | 7.73 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| 09/18/00[6] | 326.37 | 318.21 | 8.16 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 |
| 12/01/00 | 326.37 | 317.06 | 9.31 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 |
| 03/13/01 | 326.37 | 318.65 | 7.72 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 1.10 |
| 06/01/01 | 326.37 | 318.40 | 7.97 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5/<2.0[7] |
| 09/07/01 | 326.37 | 318.61 | 7.76 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 12/05/01 | 326.37 | 318.99 | 7.38 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 03/26/02 | 326.37 | 318.96 | 7.41 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 06/14/02 | 326.37 | 318.85 | 7.52 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 09/20/02 | 326.37 | 319.65 | 6.72 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 12/12/02 | 326.37 | 319.18 | 7.19 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5/<2[7] |
| 03/07/03 | 326.37 | 319.48 | 6.89 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5/<0.5[7] |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-7 (cont)** | | | | | | | | | |
| 06/06/03[9] | 326.37 | 319.62 | 6.75 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 09/05/03[9] | 326.37 | 318.75 | 7.62 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 12/15/03[9] | 326.37 | 319.16 | 7.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 03/15/04[9] | 326.37 | 318.48 | 7.89 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 06/14/04[9] | 326.37 | 318.56 | 7.81 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 09/02/04[9] | 326.37 | 318.59 | 7.78 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **11/30/04[9]** | **326.37** | **318.67** | **7.70** | **<50** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** |
| **MW-8** | | | | | | | | | |
| 06/17/97 | 325.89 | 318.15 | 7.74 | ND | ND | ND | ND | ND | ND |
| 09/30/97 | 325.89 | 318.16 | 7.73 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 12/31/97 | 325.89 | 318.27 | 7.62 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/02/98 | 325.89 | 318.48 | 7.41 | <50 | <0.5 | 1.3 | 0.67 | 3.5 | <2.5 |
| 06/29/98 | 325.89 | 317.98 | 7.91 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/16/98 | 325.89 | 318.42 | 7.47 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/23/98 | 325.89 | 318.28 | 7.61 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/26/99 | 325.89 | 316.81 | 9.08 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 5.01 |
| 06/25/99 | 325.89 | 315.94 | 9.95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 09/16/99 | 325.89 | 316.00 | 9.89 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 12/15/99 | 325.89 | 317.14 | 8.75 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/07/00 | 325.89 | 317.11 | 8.78 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/19/00 | 325.89 | 318.34 | 7.55 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| 09/18/00 | 325.89 | 317.64 | 8.25 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 |
| 12/01/00 | 325.89 | 317.45 | 8.44 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 |
| 03/13/01 | 325.89 | 318.32 | 7.57 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 |
| 06/01/01 | 325.89 | 317.97 | 7.92 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5/<2.0[7] |
| 09/07/01 | 325.89 | 318.11 | 7.78 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 12/05/01 | 325.89 | 318.57 | 7.32 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 03/26/02 | 325.89 | 318.18 | 7.71 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 06/14/02 | 325.89 | 318.24 | 7.65 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 09/20/02 | 325.89 | 318.53 | 7.36 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 12/12/02 | 325.89 | 319.00 | 6.89 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5/<2[7] |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-8 (cont)** | | | | | | | | | |
| 03/07/03 | 325.89 | 318.94 | 6.95 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5/<0.5[7] |
| 06/06/03[9] | 325.89 | 319.09 | 6.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 09/05/03[9] | 325.89 | 317.24 | 8.65 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 12/15/03[9] | 325.89 | 317.62 | 8.27 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 03/15/04[9] | 325.89 | 318.64 | 7.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 06/14/04[9] | 325.89 | 318.03 | 7.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 09/02/04[9] | 325.89 | 318.05 | 7.84 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **11/30/04[9]** | **325.89** | **318.16** | **7.73** | **<50** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** |
| **MW-9** | | | | | | | | | |
| 06/20/97 | 325.73 | 317.88 | 7.85 | ND | ND | ND | ND | ND | ND |
| 10/01/97 | 325.73 | 318.10 | 7.63 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 12/31/97 | 325.73 | 318.53 | 7.20 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/02/98 | 325.73 | 318.52 | 7.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/29/98 | 325.73 | 315.31 | 10.42 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/16/98 | 325.73 | 315.99 | 9.74 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/23/98 | 325.73 | 317.59 | 8.14 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/26/99 | 325.73 | 317.62 | 8.11 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 06/25/99 | 325.73 | 318.28 | 7.45 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 09/16/99 | 325.73 | 316.87 | 8.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 12/15/99 | 325.73 | 317.93 | 7.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/07/00 | 325.73 | 318.37 | 7.36 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/19/00 | 325.73 | 318.39 | 7.34 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| 09/18/00 | 325.73 | 317.61 | 8.12 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 |
| 12/01/00 | 325.73 | 317.46 | 8.27 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 |
| 03/13/01 | 325.73 | 318.34 | 7.39 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 |
| 06/01/01 | 325.73 | 317.92 | 7.81 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5/<2.0[7] |
| 09/07/01 | 325.73 | 317.55 | 8.18 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 12/05/01 | 325.73 | 318.58 | 7.15 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 03/26/02 | 325.73 | 318.47 | 7.26 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 06/14/02 | 325.73 | 318.62 | 7.11 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 09/20/02 | 325.73 | 318.74 | 6.99 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-9 (cont)** | | | | | | | | | |
| 12/12/02 | 325.73 | 318.92 | 6.81 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5/<2[7] |
| 03/07/03 | 325.73 | 318.95 | 6.78 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5/<0.5[7] |
| 06/06/03[9] | 325.73 | 319.09 | 6.64 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 09/05/03[9] | 325.73 | 318.30 | 7.43 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 12/15/03[9] | 325.73 | 318.65 | 7.08 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 03/15/04[9] | 325.73 | 318.43 | 7.30 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 06/14/04[9] | 325.73 | 318.28 | 7.45 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 09/02/04[9] | 325.73 | 318.48 | 7.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **11/30/04[9]** | **325.73** | **318.62** | **7.11** | **<50** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** |
| **MW-1** | | | | | | | | | |
| 07/12/89 | 326.48 | -- | -- | 100 | <0.5 | <0.5 | 6.0 | <0.5 | -- |
| 08/02/89 | 326.48 | 318.38 | 8.10 | -- | -- | -- | -- | -- | -- |
| 10/24/89 | 326.48 | 318.97 | 7.51 | <50 | 1.0 | <0.5 | 13 | <0.5 | -- |
| 03/12/90 | 326.48 | 318.07 | 8.41 | 140 | 0.8 | <0.5 | 1.0 | <0.5 | -- |
| 03/26/90 | 326.48 | 318.34 | 8.14 | -- | -- | -- | -- | -- | -- |
| 06/22/90 | 326.48 | 318.17 | 8.31 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/11/90 | 326.48 | 318.35 | 8.14 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/18/91 | 326.48 | 318.34 | 8.02 | 77 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| ABANDONED | | | | | | | | | |
| **MW-2** | | | | | | | | | |
| 07/17/89 | 327.53 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 08/02/89 | 327.53 | 318.48 | 9.05 | -- | -- | -- | -- | -- | -- |
| 10/24/89 | 327.53 | 318.29 | 9.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/12/90 | 327.53 | 317.46 | 10.07 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/26/90 | 327.53 | 317.48 | 10.05 | -- | -- | -- | -- | -- | -- |
| 06/22/90 | 327.53 | 317.48 | 10.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/11/90 | 327.53 | 317.85 | 9.68 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/18/91 | 327.53 | 318.30 | 9.23 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| ABANDONED | | | | | | | | | |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-3** | | | | | | | | | |
| 07/17/89 | 326.47 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 08/02/89 | 326.47 | 318.32 | 8.15 | -- | -- | -- | -- | -- | -- |
| 10/24/89 | 326.47 | 318.88 | 7.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/12/90 | 326.47 | 318.00 | 8.47 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/26/90 | 326.47 | 317.64 | 8.83 | -- | -- | -- | -- | -- | -- |
| 06/22/90 | 326.47 | 317.64 | 8.83 | <50 | 0.4 | <0.5 | 0.8 | <0.5 | -- |
| 09/11/90 | 326.47 | 318.06 | 8.41 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/18/91 | 326.47 | 318.49 | 7.98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| ABANDONED | | | | | | | | | |
| **BAILER BLANK** | | | | | | | | | |
| 03/22/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/25/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/23/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/28/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/21/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| **TRIP BLANK** | | | | | | | | | |
| 06/22/90 | -- | -- | -- | <50 | <0.3 | <0.3 | <0.3 | <0.6 | -- |
| 09/16/91 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/22/92 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/26/92 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/05/92 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/23/92 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/30/92 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/22/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/25/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/23/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/28/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/21/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/07/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **TRIP BLANK (cont)** | | | | | | | | | |
| 10/07/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/29/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/06/95 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/14/95 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/14/95 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/16/95 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/28/96 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 06/28/96 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 09/26/96 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 12/30/96 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 03/13/97 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 06/30/97 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 10/01/97 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/31/97 | -- | -- | -- | <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 |
| 06/29/98 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/16/98 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/23/98 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 03/26/99 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 09/16/99 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/15/99 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/07/00 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| 06/19/00 | -- | -- | -- | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 |
| 09/18/00 | -- | -- | -- | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 |
| 12/01/00 | -- | -- | -- | <50.0 | <0.500 | 1.61 | <0.500 | 0.593 | <0.500 |
| 03/13/01 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| 06/01/01 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 09/07/01 | -- | -- | -- | | | | | | |
| **QA** | | | | | | | | | |
| 12/05/01 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 03/26/02 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 06/14/02 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 09/20/02 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **QA (cont)** | | | | | | | | | |
| 12/12/02 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 03/07/03 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| 06/06/03[9] | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 09/05/03[9] | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 12/15/03[9] | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 03/15/04[9] | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 06/14/04[9] | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| 09/02/04[9] | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **11/30/04[9]** | -- | -- | -- | **<50** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to June 19, 2000, were compiled by reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
(ppb) = Parts per billion

-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

1 Confirmation run.
2 ORC installed.
3 ORC present in well.
4 Laboratory report indicates gasoline C6-C12.
5 Laboratory report indicates unidentified hydrocarbons C6-C12.
6 Laboratory report indicates insufficient preservative to reduce sample pH to less than 2. Sample was analyzed within 14 days, but beyond the seventh day recommended for Benzene, Toluene, Xylenes, and Ethylbenzene.
7 MTBE by EPA Method 8260.
8 Removed ORC from well.
9 BTEX and MTBE by EPA Method 8260.

# Table 2

## Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID | DATE | ETHANOL (ppb) | TBA (ppb) | MTBE (ppb) | DIPE (ppb) | ETBE (ppb) | TAME (ppb) | 1,2-DCA (ppb) | EDB (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| MW-4 | 06/01/01 | -- | <20 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| | 12/12/02 | -- | <100 | 42 | <2 | <2 | <2 | <2 | <2 |
| | 03/07/03 | -- | <5 | 430 | <0.5 | <0.5 | 3 | <0.5 | <0.5 |
| | 06/06/03 | -- | -- | 3 | -- | -- | -- | -- | -- |
| | 09/05/03 | <50 | -- | 11 | -- | -- | -- | -- | -- |
| | 12/15/03 | <50 | -- | 5 | -- | -- | -- | -- | -- |
| | 03/15/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | 06/14/04 | <50 | <5 | 17 | <0.5 | <0.5 | <0.5 | -- | -- |
| | 09/02/04 | <50 | <5 | 0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | **11/30/04** | **<50** | **<5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | -- | -- |
| MW-5 | 06/01/01 | -- | <20 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| | 12/12/02 | -- | <100 | <2 | <2 | <2 | <2 | <2 | <2 |
| | 03/07/03 | -- | <10 | <1 | <1 | <1 | <1 | <1 | <1 |
| | 06/06/03 | -- | -- | <0.5 | -- | -- | -- | -- | -- |
| | 09/05/03 | <200 | -- | <2 | -- | -- | -- | -- | -- |
| | 12/15/03 | <130 | -- | <1 | -- | -- | -- | -- | -- |
| | 03/15/04 | <130 | <13 | <1 | <1 | <1 | <1 | -- | -- |
| | 06/14/04 | <100 | <10 | <1 | <1 | <1 | <1 | -- | -- |
| | 09/02/04 | <250 | <25 | <3 | <3 | <3 | <3 | -- | -- |
| | **11/30/04** | **<130** | **<13** | **<1** | **<1** | **<1** | **<1** | -- | -- |
| MW-6 | 06/01/01 | -- | <20 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| | 12/12/02 | -- | <100 | <2 | <2 | <2 | <2 | 4 | <2 |
| | 03/07/03 | -- | <5 | <0.5 | <0.5 | <0.5 | <0.5 | 1 | <0.5 |
| | 06/06/03 | -- | -- | <0.5 | -- | -- | -- | -- | -- |
| | 09/05/03 | <50 | -- | 0.9 | -- | -- | -- | -- | -- |
| | 12/15/03 | <50 | -- | <0.5 | -- | -- | -- | -- | -- |
| | 03/15/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | 06/14/04 | <50 | <5 | 19 | <0.5 | <0.5 | <0.5 | -- | -- |
| | 09/02/04 | <50 | <5 | 15 | <0.5 | <0.5 | <0.5 | -- | -- |
| | **11/30/04** | **<50** | **<5** | **14** | **<0.5** | **<0.5** | **<0.5** | -- | -- |

# Table 2

## Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID | DATE | ETHANOL (ppb) | TBA (ppb) | MTBE (ppb) | DIPE (ppb) | ETBE (ppb) | TAME (ppb) | 1,2-DCA (ppb) | EDB (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| MW-7 | 06/01/01 | -- | <20 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| | 12/12/02 | -- | <100 | <2 | <2 | <2 | <2 | <2 | <2 |
| | 03/07/03 | -- | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 06/06/03 | -- | -- | <0.5 | -- | -- | -- | -- | -- |
| | 09/05/03 | <50 | -- | <0.5 | -- | -- | -- | -- | -- |
| | 12/15/03 | <50 | -- | <0.5 | -- | -- | -- | -- | -- |
| | 03/15/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | 06/14/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | 09/02/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | **11/30/04** | **<50** | **<5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | -- | -- |
| MW-8 | 06/01/01 | -- | <20 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| | 12/12/02 | -- | <100 | <2 | <2 | <2 | <2 | <2 | <2 |
| | 03/07/03 | -- | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 06/06/03 | -- | -- | <0.5 | -- | -- | -- | -- | -- |
| | 09/05/03 | <50 | -- | <0.5 | -- | -- | -- | -- | -- |
| | 12/15/03 | <50 | -- | <0.5 | -- | -- | -- | -- | -- |
| | 03/15/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | 06/14/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | 09/02/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | **11/30/04** | **<50** | **<5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | -- | -- |
| MW-9 | 06/01/01 | -- | <20 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| | 12/12/02 | -- | <100 | <2 | <2 | <2 | <2 | <2 | <2 |
| | 03/07/03 | -- | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 06/06/03 | -- | -- | <0.5 | -- | -- | -- | -- | -- |
| | 09/05/03 | <50 | -- | <0.5 | -- | -- | -- | -- | -- |
| | 12/15/03 | <50 | -- | <0.5 | -- | -- | -- | -- | -- |
| | 03/15/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |

# Table 2

## Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-0917

5280 Hopyard Road

Pleasanton, California

| WELL ID | DATE | ETHANOL (ppb) | TBA (ppb) | MTBE (ppb) | DIPE (ppb) | ETBE (ppb) | TAME (ppb) | 1,2-DCA (ppb) | EDB (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| MW-9 | 06/14/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| (cont) | 09/02/04 | <50 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| | **11/30/04** | **<50** | **<5** | **<0.5** | **<0.5** | **<0.5** | **<0.5** | -- | -- |

# Table 2

## Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

**EXPLANATIONS:**

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide/1,2-Dibromoethane
(ppb) = Parts per billion
-- = Not Analyzed

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

# Table 3

**Dissolved Oxygen Concentrations**
Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID | DATE | Before Purging *(mg/L)* | After Purging *(mg/L)* |
|---|---|---|---|
| **MW-4** | 09/07/01 | 1.96 | -- |
| | 12/05/01 | 1.96 | -- |
| | 03/26/02 | 2.10 | -- |
| | 06/14/02 | 3.10 | -- |
| | 09/20/02 | 2.30 | -- |
| | 12/12/02 | 2.10 | -- |
| | 03/07/03 | 0.40 | -- |
| | 06/06/03 | 2.10 | -- |
| | 09/05/03 | 2.00 | -- |
| | 12/15/03 | 2.46 | -- |
| | 03/15/04 | 1.20 | -- |
| | 06/14/04 | 1.80 | -- |
| | 09/02/04 | 1.60 | -- |
| | **11/30/04** | **1.80** | -- |
| **MW-5** | 06/19/00 | 9.65 | -- |
| | 09/18/00 | 3.59 | -- |
| | 12/01/00 | 3.76 | -- |
| | 03/13/01 | 3.59 | -- |
| | 06/01/01 | 3.36 | -- |
| | 09/07/01 | 4.02 | -- |
| | 12/05/01 | 1.04 | -- |
| | 03/26/02 | 1.00 | -- |
| | 06/14/02 | 0.90 | -- |
| | 09/20/02 | 1.00 | -- |
| | 12/12/02 | 1.10 | -- |
| | 03/07/03 | 0.10 | -- |
| | 06/06/03 | 0.80 | -- |
| | 09/05/03 | 1.00 | -- |
| | 12/15/03 | 1.78 | -- |
| | 03/15/04 | 1.60 | -- |
| | 06/14/04 | 2.40 | -- |
| | 09/02/04 | 1.90 | -- |
| | **11/30/04** | **2.00** | -- |
| **MW-6** | 06/19/00 | 5.88 | -- |
| | 09/18/00 | 4.81 | -- |
| | 12/01/00 | 4.27 | -- |
| | 03/13/01 | 4.12 | -- |
| | 06/01/01 | 3.84 | -- |
| | 09/07/01 | 4.26 | -- |
| | 12/05/01 | 1.26 | -- |
| | 03/26/02 | 1.30 | -- |
| | 06/14/02 | 1.40 | -- |
| | 09/20/02 | 1.30 | -- |
| | 12/12/02 | 1.40 | -- |

# Table 3

**Dissolved Oxygen Concentrations**
Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID | DATE | Before Purging (mg/L) | After Purging (mg/L) |
|---|---|---|---|
| MW-6 (cont) | 03/07/03 | 0.90 | -- |
| | 06/06/03 | 1.20 | -- |
| | 09/05/03 | 1.30 | -- |
| | 12/15/03 | 1.91 | -- |
| | 03/15/04 | 1.40 | -- |
| | 06/14/04 | 1.50 | -- |
| | 09/02/04 | 1.70 | -- |
| | **11/30/04** | **1.80** | -- |
| **MW-7** | 09/07/01 | 2.04 | -- |
| | 12/05/01 | 1.84 | -- |
| | 03/26/02 | 2.00 | -- |
| | 06/14/02 | 2.00 | -- |
| | 09/20/02 | 2.10 | -- |
| | 12/12/02 | 2.00 | -- |
| | 03/07/03 | 0.10 | -- |
| | 06/06/03 | 1.50 | -- |
| | 09/05/03 | 1.80 | -- |
| | 12/15/03 | 3.02 | -- |
| | 03/15/04 | 1.70 | -- |
| | 06/14/04 | 1.10 | -- |
| | 09/02/04 | 1.00 | -- |
| | **11/30/04** | **0.90** | -- |
| **MW-8** | 09/07/01 | 2.17 | -- |
| | 12/05/01 | 2.10 | -- |
| | 03/26/02 | 2.10 | -- |
| | 06/14/02 | 2.00 | -- |
| | 09/20/02 | 2.10 | -- |
| | 12/12/02 | 2.20 | -- |
| | 03/07/03 | 0.60 | -- |
| | 06/06/03 | 1.70 | -- |
| | 09/05/03 | 2.00 | -- |
| | 12/15/03 | 2.93 | -- |
| | 03/15/04 | 1.30 | -- |
| | 06/14/04 | 1.60 | -- |
| | 09/02/04 | 1.20 | -- |
| | **11/30/04** | **1.30** | -- |
| **MW-9** | 09/07/01 | 1.72 | -- |
| | 12/05/01 | 2.21 | -- |
| | 03/26/02 | 2.20 | -- |
| | 06/14/02 | 1.90 | -- |
| | 09/20/02 | 2.00 | -- |
| | 12/12/02 | 2.10 | -- |

# Table 3

## Dissolved Oxygen Concentrations

Chevron Service Station #9-0917
5280 Hopyard Road
Pleasanton, California

| WELL ID | DATE | Before Purging *(mg/L)* | After Purging *(mg/L)* |
|---|---|---|---|
| MW-9 | 03/07/03 | 0.60 | -- |
| (cont) | 06/06/03 | 1.80 | -- |
| | 09/05/03 | 1.90 | -- |
| | 12/15/03 | 3.15 | -- |
| | 03/15/04 | 1.80 | -- |
| | 06/14/04 | 1.00 | -- |
| | 09/02/04 | 1.10 | -- |
| | **11/30/04** | **1.20** | -- |

**EXPLANATIONS:**

(mg/L) = Milligrams per liter
-- = Not Measured

# STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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

# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0917 Job Number: 385242
Site Address: 5280 Hopyard Road Event Date: 11-30-04 (inclusive)
City: Pleasanton, CA Sampler: Joe

Well ID MW-4 Date Monitored: 11-30-04 Well Condition: O.K
Well Diameter 2 in.
Total Depth 24.74 ft.
Depth to Water 7.28 ft.

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

17.46 xVF 0.17 = 2.97 x3 case volume= Estimated Purge Volume: 9 ✓ gal.

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

**Sampling Equipment:**
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

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

Start Time (purge): 1148 Weather Conditions: clear
Sample Time/Date: 1220 / 11-30-04 Water Color: clear Odor: none
Purging Flow Rate: 1 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

| Time (2400 hr.) | Volume (gal.) | pH | Conductivity (umhos/cm) X100 | Temperature (C°) | D.O. (mg/L) Pre | ORP (mV) |
|---|---|---|---|---|---|---|
| 1200 | 3 | 7.99 | 5.04 | 71.2 | 1.80 | |
| 1203 | 6 | 7.50 | 4.91 | 70.5 | | |
| 1209 | 9 | 7.42 | 4.93 | 70.3 | | |
| | | | | | | |
| | | | | | | |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|---|---|---|---|---|---|
| MW-4 | 6 x voa vial | YES | HCL | LANCASTER | TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260) |
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COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING
## FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0917 Job Number: 385242
Site Address: 5280 Hopyard Road Event Date: 11-30-04 (inclusive)
City: Pleasanton, CA Sampler: Joe

Well ID MW-~~8~~5 Date Monitored: 11-30-04 Well Condition: o.k.
Well Diameter 2 in.
Total Depth 23.90 ft.
Depth to Water 8.20 ft.
15.70 xVF 0.17 = 2.67 x3 case volume= Estimated Purge Volume: 8 gal.

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

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

**Sampling Equipment:**
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

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

Start Time (purge): 1450 Weather Conditions: clear
Sample Time/Date: 1520 11-30-04 Water Color: clear Odor: yes
Purging Flow Rate: 1 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

| Time (2400 hr.) | Volume (gal.) | pH | Conductivity (umhos/cm) @ 100 | Temperature (C/F) | D.O. (mg/L) pre | ORP (mV) |
|---|---|---|---|---|---|---|
| 1506 | 3 | 6.50 | 0.77 | 71.2 | 2.00 | |
| 1509 | 5 | 6.48 | 0.70 | 71.4 | | |
| 1512 | 8 | 6.54 | 0.65 | 71.6 | | |
| | | | | | | |
| | | | | | | |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|---|---|---|---|---|---|
| MW-~~8~~5 | 6 x voa vial | YES | HCL | LANCASTER | TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260) |
| | | | | | |
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COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0917 Job Number: 385242
Site Address: 5280 Hopyard Road Event Date: 11-30-04 (inclusive)
City: Pleasanton, CA Sampler: Joe

Well ID MW-6 Date Monitored: 11-30-04 Well Condition: O.K.
Well Diameter 2 in.
Total Depth 25.21 ft.
Depth to Water 8.55 ft.

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

16.66 xVF 0.17 = 2.83 x3 case volume= Estimated Purge Volume: 8.5 gal.

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

**Sampling Equipment:**
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

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

Start Time (purge): 1103 Weather Conditions: clear
Sample Time/Date: 1135 / 11-30-04 Water Color: clear Odor: mild
Purging Flow Rate: 1 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

| Time (2400 hr.) | Volume (gal.) | pH | Conductivity (umhos/cm) x1000 | Temperature (C/F) | D.O. (mg/L) pre | ORP (mV) |
|---|---|---|---|---|---|---|
| 1116 | 3 | 6.86 | 1.11 | 69.9 | 1.82 | |
| 1119 | 5.5 | 6.85 | 1.06 | 70.9 | | |
| 1122 | 8.5 | 6.86 | 1.12 | 71.0 | | |
| | | | | | | |
| | | | | | | |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|---|---|---|---|---|---|
| MW-6 | 6 x voa vial | YES | HCL | LANCASTER | TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260) |
| | | | | | |
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COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0917 Job Number: 385242
Site Address: 5280 Hopyard Road Event Date: 11-30-04 (inclusive)
City: Pleasanton, CA Sampler: Joe

Well ID MW-7 Date Monitored: 11-30-04 Well Condition: O.K
Well Diameter 2 in.
Total Depth 20.04 ft.
Depth to Water 7.70 ft.
12.34 xVF 0.17 = 2.09 x3 case volume= Estimated Purge Volume: 6.5 gal.

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

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

**Sampling Equipment:**
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

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

Start Time (purge): 1235 Weather Conditions: clear
Sample Time/Date: 1305 11-30-04 Water Color: clear Odor: none
Purging Flow Rate: 1 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

| Time (2400 hr.) | Volume (gal.) | pH | Conductivity (umhos/cm) x 10^3 | Temperature (C/F) | pre D.O. (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 1250 | 2 | 7.66 | 5.55 | 69.5 | 0.90 | |
| 1252 | 4 | 7.55 | 5.50 | 70.5 | | |
| 1255 | 6.5 | 7.42 | 5.49 | 70.8 | | |
| | | | | | | |
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**LABORATORY INFORMATION**

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|---|---|---|---|---|---|
| MW-7 | 6 x voa vial | YES | HCL | LANCASTER | TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260) |
| | | | | | |
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COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0917 Job Number: 385242
Site Address: 5280 Hopyard Road Event Date: 11-30-04 (inclusive)
City: Pleasanton, CA Sampler: Jon

Well ID MW-8 Date Monitored: 11-30-04 Well Condition: O.K.
Well Diameter 2 in.
Total Depth 20.35 ft.
Depth to Water 7.73 ft.

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

12.62 xVF 0.17 = 2.15 x3 case volume= Estimated Purge Volume: 6.5 gal.

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

**Sampling Equipment:**
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

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

Start Time (purge): 1320 Weather Conditions: clear
Sample Time/Date: 1355 11.30.04 Water Color: clear Odor: none
Purging Flow Rate: 1 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.
Pre

| Time (2400 hr.) | Volume (gal.) | pH | Conductivity (umhos/cm) X 100 | Temperature (C/F) | D.O. (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 1338 | 2 | 7.28 | 4.42 | 70.5 | 1.30 | |
| 1340 | 4 | 7.39 | 4.57 | 71.0 | | |
| 1342 | 6.5 | 7.40 | 4.60 | 71.4 | | |
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**LABORATORY INFORMATION**

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|---|---|---|---|---|---|
| MW-8 | 6 x voa vial | YES | HCL | LANCASTER | TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260) |
| | | | | | |
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COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0917 Job Number: 385242
Site Address: 5280 Hopyard Road Event Date: 11-30-04 (inclusive)
City: Pleasanton, CA Sampler: Joe

Well ID MW-9 Date Monitored: 11-30-04 Well Condition: o.k.
Well Diameter 2 in.
Total Depth 19.96 ft.
Depth to Water 7.11 ft.

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

12.85 xVF 0.17 = 2.18 x3 case volume= Estimated Purge Volume: 6.5 gal.

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

**Sampling Equipment:**
Disposable Bailer ✓
Pressure Bailer
Discrete Bailer
Other:

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

Start Time (purge): 1404 Weather Conditions: clear
Sample Time/Date: 1435 / 11-30-04 Water Color: clear Odor: none
Purging Flow Rate: 0.5 gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal.

| Time (2400 hr.) | Volume (gal.) | pH | Conductivity (umhos/cm) X $10^2$ | Temperature (C/F) | D.O. (mg/L) Pre | ORP (mV) |
|---|---|---|---|---|---|---|
| 1416 | 2 | 7.80 | 6.31 | 64.2 | 1.20 | |
| 1420 | 4 | 7.42 | 6.22 | 63.9 | | |
| 1424 | 6.5 | 7.47 | 6.28 | 64.5 | | |
| | | | | | | |
| | | | | | | |

**LABORATORY INFORMATION**

| SAMPLE ID | (#) CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|---|---|---|---|---|---|
| MW-09 | 6 x voa vial | YES | HCL | LANCASTER | TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260) |
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COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

# Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

121404-16

Acct. #: 10904

For Lancaster Laboratories use only Group# 923062
Sample #: 9417695-701 SCR#:

**Analyses Requested**

**Preservation Codes**

**Preservative Codes**
H = HCl T = Thiosulfate
N = $HNO_3$ B = NaOH
S = $H_2SO_4$ O = Other

Facility #: SS#9-0917 G-R#385242 Global ID#T0600100345
Site Address: 5280 HOPYARD ROAD, PLEASANTON, CA
Chevron PM: KS Lead Consultant: CAMBRIA
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: JOE AJEMIAN
Service Order #: ☐ Non SAR:

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Matrix: Soil | Matrix: Water (☐ Potable ☐ NPDES) | Matrix: Oil ☐ Air ☐ | Total Number of Containers | BTEX + MTBE 8260 ☒ 8021 ☐ (H) | TPH 8015 MOD GRO (H) | TPH 8015 MOD DRO ☐ Silica Gel Cleanup | 8260 full scan | 5 Oxygenates (8260) (H) | Lead 7420 ☐ 7421 ☐ | Ethanol (8260) (H) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QA | — | — | ✓ | | | ✓ | | 2 | ✓ | ✓ | | | | | |
| MW-4 | 11-30-04 | 1220 | | | | | | 6 | ✓ | ✓ | | | ✓ | | ✓ |
| MW-5 | ↓ | 1520 | | | | | | 6 | ✓ | ✓ | | | ✓ | | ✓ |
| MW-6 | | 1135 | | | | | | 6 | ✓ | ✓ | | | ✓ | | ✓ |
| MW-7 | | 1308 | | | | | | 6 | ✓ | ✓ | | | ✓ | | ✓ |
| MW-8 | | 1355 | | | | | | 6 | ✓ | ✓ | | | ✓ | | ✓ |
| MW-9 | ↓ | 1435 | ↓ | | | ↓ | | 6 | ✓ | ✓ | | | ✓ | | ✓ |

☐ J value reporting needed
☒ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

**Comments / Remarks**

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

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

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| Relinquished by: | 12-1-04 | 0945 | Received by: | | |
| Relinquished by: Diana | 12/1/04 | 1435 | Received by: Cindy Amaya | 12-1-04 | 1435 |
| Relinquished by: Cindy Amaya | 12/1/04 | 1550 | Received by: DHL | 12/1/04 | |
| Relinquished by Commercial Carrier: UPS FedEx Other | | | Received by: | 12-2-04 | 0930 |
| Temperature Upon Receipt 2.0-2.0 C° | | | Custody Seals Intact? Yes No | | |

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax:717-656-2681• www.lancasterlabs.com

# Analysis Report



ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 923062. Samples arrived at the laboratory on Thursday, December 02, 2004. The PO# for this group is 99011184 and the release number is STREICH.

| Client Description | | | Lancaster Labs Number |
|---|---|---|---|
| QA-T-041130 | NA | Water | 4417695 |
| MW-4-W-041130 | Grab | Water | 4417696 |
| MW-5-W-041130 | Grab | Water | 4417697 |
| MW-6-W-041130 | Grab | Water | 4417698 |
| MW-7-W-041130 | Grab | Water | 4417699 |
| MW-8-W-041130 | Grab | Water | 4417700 |
| MW-9-W-041130 | Grab | Water | 4417701 |

| | | |
|---|---|---|
| 1 COPY TO | Cambria C/O Gettler- Ryan | Attn: Deanna L. Harding |
| ELECTRONIC COPY TO | Gettler-Ryan | Attn: Cheryl Hansen |

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax:717-656-2681• www.lancasterlabs.com

# Analysis Report

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

Dana M Kauffman

Dana M. Kauffman
Group Leader

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

# Analysis Report



**Lancaster Laboratories Sample No. WW 4417695**

**QA-T-041130 NA Water**
**Facility# 90917 Job# 385242 GRD**
**5280 Hopyard-Pleasanton T0600100345 QA**
Collected:11/30/2004

Account Number: 10904

Submitted: 12/02/2004 09:30
Reported: 12/12/2004 at 21:24
Discard: 01/12/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPQA

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | n.a. | N.D. | 50. | ug/l | 1 |
| | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. | | | | | |
| 06054 | BTEX+MTBE by 8260B | | | | | |
| 02010 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.5 | ug/l | 1 |
| 05401 | Benzene | 71-43-2 | N.D. | 0.5 | ug/l | 1 |
| 05407 | Toluene | 108-88-3 | N.D. | 0.5 | ug/l | 1 |
| 05415 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | ug/l | 1 |
| 06310 | Xylene (Total) | 1330-20-7 | N.D. | 0.5 | ug/l | 1 |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 12/03/2004 10:07 | Michael F Barrow | 1 |
| 06054 | BTEX+MTBE by 8260B | SW-846 8260B | 1 | 12/09/2004 01:49 | Dawn M Harle | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 12/03/2004 10:07 | Michael F Barrow | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 12/09/2004 01:49 | Dawn M Harle | n.a. |

Lancaster Laboratories

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# Analysis Report



**Lancaster Laboratories Sample No. WW 4417696**

**MW-4-W-041130 Grab Water**
**Facility# 90917 Job# 385242 GRD**
**5280 Hopyard-Pleasanton T0600100345 MW-4**
Collected:11/30/2004 12:20 by JA

Account Number: 10904

Submitted: 12/02/2004 09:30
Reported: 12/12/2004 at 21:24
Discard: 01/12/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPM4

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | n.a. | N.D. | 50. | ug/l | 1 |
| | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. | | | | | |
| 06059 | BTEX+5 Oxygenates+ETOH | | | | | |
| 01587 | Ethanol | 64-17-5 | N.D. | 50. | ug/l | 1 |
| 02010 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.5 | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 0.5 | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 0.5 | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 0.5 | ug/l | 1 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 5. | ug/l | 1 |
| 05401 | Benzene | 71-43-2 | N.D. | 0.5 | ug/l | 1 |
| 05407 | Toluene | 108-88-3 | N.D. | 0.5 | ug/l | 1 |
| 05415 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | ug/l | 1 |
| 06310 | Xylene (Total) | 1330-20-7 | N.D. | 0.5 | ug/l | 1 |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 12/03/2004 10:36 | Michael F Barrow | 1 |
| 06059 | BTEX+5 Oxygenates+ETOH | SW-846 8260B | 1 | 12/09/2004 23:30 | Dawn M Harle | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 12/03/2004 10:36 | Michael F Barrow | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 12/09/2004 23:30 | Dawn M Harle | n.a. |

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# Analysis Report



**Lancaster Laboratories Sample No. WW 4417697**

**MW-5-W-041130 Grab Water**
**Facility# 90917 Job# 385242 GRD**
**5280 Hopyard-Pleasanton T0600100345 MW-5**
Collected:11/30/2004 15:20 by JA

Account Number: 10904

Submitted: 12/02/2004 09:30
Reported: 12/12/2004 at 21:24
Discard: 01/12/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPM5

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | n.a. | 13,000. | 250. | ug/l | 5 |
| | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. | | | | | |
| 06059 | BTEX+5 Oxygenates+ETOH | | | | | |
| 01587 | Ethanol | 64-17-5 | N.D. | 130. | ug/l | 2.5 |
| 02010 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 1. | ug/l | 2.5 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 1. | ug/l | 2.5 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 1. | ug/l | 2.5 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 1. | ug/l | 2.5 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 13. | ug/l | 2.5 |
| 05401 | Benzene | 71-43-2 | 54. | 1. | ug/l | 2.5 |
| 05407 | Toluene | 108-88-3 | 8. | 1. | ug/l | 2.5 |
| 05415 | Ethylbenzene | 100-41-4 | 750. | 13. | ug/l | 25 |
| 06310 | Xylene (Total) | 1330-20-7 | 280. | 1. | ug/l | 2.5 |
| | The reporting limits for the GC/MS volatile compounds were raised due to the level of target and non-target compounds. | | | | | |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 12/03/2004 11:05 | Michael F Barrow | 5 |
| 06059 | BTEX+5 Oxygenates+ETOH | SW-846 8260B | 1 | 12/09/2004 23:55 | Dawn M Harle | 2.5 |
| 06059 | BTEX+5 Oxygenates+ETOH | SW-846 8260B | 1 | 12/10/2004 00:20 | Dawn M Harle | 25 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 12/03/2004 11:05 | Michael F Barrow | 5 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 12/09/2004 23:55 | Dawn M Harle | n.a. |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 2 | 12/10/2004 00:20 | Dawn M Harle | n.a. |

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# Analysis Report



**Lancaster Laboratories Sample No. WW 4417698**

**MW-6-W-041130 Grab Water**
**Facility# 90917 Job# 385242 GRD**
**5280 Hopyard-Pleasanton T0600100345 MW-6**
Collected:11/30/2004 11:35 by JA

Account Number: 10904

Submitted: 12/02/2004 09:30
Reported: 12/12/2004 at 21:24
Discard: 01/12/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPM6

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | n.a. | 290. | 50. | ug/l | 1 |
| | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. | | | | | |
| 06059 | BTEX+5 Oxygenates+ETOH | | | | | |
| 01587 | Ethanol | 64-17-5 | N.D. | 50. | ug/l | 1 |
| 02010 | Methyl Tertiary Butyl Ether | 1634-04-4 | 14. | 0.5 | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 0.5 | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 0.5 | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 0.5 | ug/l | 1 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 5. | ug/l | 1 |
| 05401 | Benzene | 71-43-2 | 0.9 | 0.5 | ug/l | 1 |
| 05407 | Toluene | 108-88-3 | N.D. | 0.5 | ug/l | 1 |
| 05415 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | ug/l | 1 |
| 06310 | Xylene (Total) | 1330-20-7 | N.D. | 0.5 | ug/l | 1 |
| | The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7. | | | | | |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 12/03/2004 11:34 | Michael F Barrow | 1 |
| 06059 | BTEX+5 Oxygenates+ETOH | SW-846 8260B | 1 | 12/10/2004 00:45 | Dawn M Harle | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 12/03/2004 11:34 | Michael F Barrow | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 12/10/2004 00:45 | Dawn M Harle | n.a. |

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# Analysis Report



Lancaster Laboratories Sample No. WW 4417699

MW-7-W-041130 Grab Water
Facility# 90917 Job# 385242 GRD
5280 Hopyard-Pleasanton T0600100345 MW-7
Collected:11/30/2004 13:08 by JA

Account Number: 10904

Submitted: 12/02/2004 09:30
Reported: 12/12/2004 at 21:24
Discard: 01/12/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPM7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | n.a. | N.D. | 50. | ug/l | 1 |
| | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. | | | | | |
| 06059 | BTEX+5 Oxygenates+ETOH | | | | | |
| 01587 | Ethanol | 64-17-5 | N.D. | 50. | ug/l | 1 |
| 02010 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.5 | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 0.5 | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 0.5 | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 0.5 | ug/l | 1 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 5. | ug/l | 1 |
| 05401 | Benzene | 71-43-2 | N.D. | 0.5 | ug/l | 1 |
| 05407 | Toluene | 108-88-3 | N.D. | 0.5 | ug/l | 1 |
| 05415 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | ug/l | 1 |
| 06310 | Xylene (Total) | 1330-20-7 | N.D. | 0.5 | ug/l | 1 |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 12/03/2004 12:03 | Michael F Barrow | 1 |
| 06059 | BTEX+5 Oxygenates+ETOH | SW-846 8260B | 1 | 12/10/2004 01:59 | Dawn M Harle | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 12/03/2004 12:03 | Michael F Barrow | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 12/10/2004 01:59 | Dawn M Harle | n.a. |

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# Analysis Report



**Lancaster Laboratories Sample No. WW 4417700**

**MW-8-W-041130 Grab Water**
**Facility# 90917 Job# 385242 GRD**
**5280 Hopyard-Pleasanton T0600100345 MW-8**
Collected:11/30/2004 13:55 by JA

Account Number: 10904

Submitted: 12/02/2004 09:30
Reported: 12/12/2004 at 21:24
Discard: 01/12/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPM8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | n.a. | N.D. | 50. | ug/l | 1 |
| | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. | | | | | |
| 06059 | BTEX+5 Oxygenates+ETOH | | | | | |
| 01587 | Ethanol | 64-17-5 | N.D. | 50. | ug/l | 1 |
| 02010 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.5 | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 0.5 | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 0.5 | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 0.5 | ug/l | 1 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 5. | ug/l | 1 |
| 05401 | Benzene | 71-43-2 | N.D. | 0.5 | ug/l | 1 |
| 05407 | Toluene | 108-88-3 | N.D. | 0.5 | ug/l | 1 |
| 05415 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | ug/l | 1 |
| 06310 | Xylene (Total) | 1330-20-7 | N.D. | 0.5 | ug/l | 1 |

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## Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 12/03/2004 12:31 | Michael F Barrow | 1 |
| 06059 | BTEX+5 Oxygenates+ETOH | SW-846 8260B | 1 | 12/10/2004 02:23 | Dawn M Harle | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 12/03/2004 12:31 | Michael F Barrow | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 12/10/2004 02:23 | Dawn M Harle | n.a. |

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# Analysis Report



**Lancaster Laboratories Sample No. WW 4417701**

**MW-9-W-041130 Grab Water**
**Facility# 90917 Job# 385242 GRD**
**5280 Hopyard-Pleasanton T0600100345 MW-9**
Collected:11/30/2004 14:35 by JA

Account Number: 10904

Submitted: 12/02/2004 09:30
Reported: 12/12/2004 at 21:24
Discard: 01/12/2005

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOPM9

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | n.a. | N.D. | 50. | ug/l | 1 |
| | The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. | | | | | |
| 06059 | BTEX+5 Oxygenates+ETOH | | | | | |
| 01587 | Ethanol | 64-17-5 | N.D. | 50. | ug/l | 1 |
| 02010 | Methyl Tertiary Butyl Ether | 1634-04-4 | N.D. | 0.5 | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 0.5 | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 0.5 | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 0.5 | ug/l | 1 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 5. | ug/l | 1 |
| 05401 | Benzene | 71-43-2 | N.D. | 0.5 | ug/l | 1 |
| 05407 | Toluene | 108-88-3 | N.D. | 0.5 | ug/l | 1 |
| 05415 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | ug/l | 1 |
| 06310 | Xylene (Total) | 1330-20-7 | N.D. | 0.5 | ug/l | 1 |

State of California Lab Certification No. 2116

## Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|
| 01728 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 12/03/2004 13:48 | Brian C Veety | 1 |
| 06059 | BTEX+5 Oxygenates+ETOH | SW-846 8260B | 1 | 12/10/2004 02:48 | Dawn M Harle | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 12/03/2004 13:48 | Brian C Veety | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 12/10/2004 02:48 | Dawn M Harle | n.a. |

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# Analysis Report



## Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/12/04 at 09:24 PM

Group Number: 923062

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

## Laboratory Compliance Quality Control

| Analysis Name | Blank Result | Blank MDL | Report Units | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---|---|---|---|---|---|---|---|---|
| Batch number: 04337A08C | Sample number(s): 4417695-4417701 | | | | | | | |
| TPH-GRO - Waters | N.D. | 50. | ug/l | 112 | 112 | 70-130 | 0 | 30 |
| Batch number: Z043434AA | Sample number(s): 4417695 | | | | | | | |
| Methyl Tertiary Butyl Ether | N.D. | 0.5 | ug/l | 87 | | 77-127 | | |
| Benzene | N.D. | 0.5 | ug/l | 90 | | 85-117 | | |
| Toluene | N.D. | 0.5 | ug/l | 95 | | 85-115 | | |
| Ethylbenzene | N.D. | 0.5 | ug/l | 93 | | 82-119 | | |
| Xylene (Total) | N.D. | 0.5 | ug/l | 91 | | 83-113 | | |
| Batch number: Z043443AA | Sample number(s): 4417696-4417701 | | | | | | | |
| Ethanol | N.D. | 50. | ug/l | 85 | | 46-145 | | |
| Methyl Tertiary Butyl Ether | N.D. | 0.5 | ug/l | 94 | | 77-127 | | |
| di-Isopropyl ether | N.D. | 0.5 | ug/l | 104 | | 67-130 | | |
| Ethyl t-butyl ether | N.D. | 0.5 | ug/l | 97 | | 74-120 | | |
| t-Amyl methyl ether | N.D. | 0.5 | ug/l | 92 | | 79-113 | | |
| t-Butyl alcohol | N.D. | 5. | ug/l | 90 | | 57-141 | | |
| Benzene | N.D. | 0.5 | ug/l | 98 | | 85-117 | | |
| Toluene | N.D. | 0.5 | ug/l | 99 | | 85-115 | | |
| Ethylbenzene | N.D. | 0.5 | ug/l | 98 | | 82-119 | | |
| Xylene (Total) | N.D. | 0.5 | ug/l | 96 | | 83-113 | | |

## Sample Matrix Quality Control

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| Batch number: 04337A08C | Sample number(s): 4417695-4417701 | | | | | | | | |
| TPH-GRO - Waters | 125 | | 63-154 | | | | | | |
| Batch number: Z043434AA | Sample number(s): 4417695 | | | | | | | | |
| Methyl Tertiary Butyl Ether | 90 | 93 | 69-134 | 3 | 30 | | | | |
| Benzene | 98 | 98 | 83-128 | 0 | 30 | | | | |
| Toluene | 100 | 100 | 83-127 | 0 | 30 | | | | |
| Ethylbenzene | 99 | 100 | 82-129 | 1 | 30 | | | | |
| Xylene (Total) | 95 | 96 | 82-130 | 1 | 30 | | | | |
| Batch number: Z043443AA | Sample number(s): 4417696-4417701 | | | | | | | | |
| Ethanol | 96 | 82 | 33-153 | 16 | 30 | | | | |
| Methyl Tertiary Butyl Ether | 103 | 99 | 69-134 | 2 | 30 | | | | |
| di-Isopropyl ether | 111 | 111 | 75-130 | 0 | 30 | | | | |
| Ethyl t-butyl ether | 101 | 100 | 78-119 | 1 | 30 | | | | |

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

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# Analysis Report



## Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/12/04 at 09:24 PM

Group Number: 923062

### Sample Matrix Quality Control

| Analysis Name | MS %REC | MSD %REC | MS/MSD Limits | RPD | RPD MAX | BKG Conc | DUP Conc | DUP RPD | Dup RPD Max |
|---|---|---|---|---|---|---|---|---|---|
| t-Amyl methyl ether | 99 | 98 | 77-117 | 1 | 30 | | | | |
| t-Butyl alcohol | 89 | 90 | 51-147 | 1 | 30 | | | | |
| Benzene | 105 | 106 | 83-128 | 0 | 30 | | | | |
| Toluene | 106 | 107 | 83-127 | 1 | 30 | | | | |
| Ethylbenzene | 106 | 107 | 82-129 | 1 | 30 | | | | |
| Xylene (Total) | 102 | 103 | 82-130 | 1 | 30 | | | | |

### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 04337A08C

| | Trifluorotoluene-F |
|---|---|
| 4417695 | 101 |
| 4417696 | 98 |
| 4417697 | 144 |
| 4417698 | 103 |
| 4417699 | 100 |
| 4417700 | 101 |
| 4417701 | 99 |
| Blank | 104 |
| LCS | 103 |
| LCSD | 105 |
| MS | 100 |
| Limits: | 57-146 |

Analysis Name: BTEX+MTBE by 8260B
Batch number: Z043434AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 4417695 | 96 | 98 | 104 | 92 |
| Blank | 95 | 97 | 105 | 92 |
| LCS | 93 | 95 | 104 | 97 |
| MS | 95 | 96 | 104 | 96 |
| MSD | 94 | 97 | 103 | 96 |
| Limits: | 81-120 | 82-112 | 85-112 | 83-113 |

Analysis Name: BTEX+5 Oxygenates+ETOH
Batch number: Z043443AA

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---|---|---|---|---|
| 4417696 | 95 | 96 | 100 | 91 |
| 4417697 | 92 | 91 | 106 | 98 |
| 4417698 | 92 | 94 | 105 | 94 |
| 4417699 | 96 | 95 | 94 | 90 |
| 4417700 | 96 | 96 | 98 | 90 |
| 4417701 | 96 | 97 | 98 | 91 |
| Blank | 92 | 94 | 104 | 94 |
| LCS | 92 | 94 | 104 | 98 |
| MS | 94 | 94 | 104 | 97 |

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

## Quality Control Summary

Client Name: ChevronTexaco
Group Number: 923062
Reported: 12/12/04 at 09:24 PM

### Surrogate Quality Control

| | | | | |
|---|---|---|---|---|
| MSD | 93 | 94 | 105 | 96 |
| Limits: | 81-120 | 82-112 | 85-112 | 83-113 |

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

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# Explanation of Symbols and Abbreviations

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

| | | | |
|---|---|---|---|
| **N.D.** | none detected | **BMQL** | Below Minimum Quantitation Level |
| **TNTC** | Too Numerous To Count | **MPN** | Most Probable Number |
| **IU** | International Units | **CP Units** | cobalt-chloroplatinate units |
| **umhos/cm** | micromhos/cm | **NTU** | nephelometric turbidity units |
| **C** | degrees Celsius | **F** | degrees Fahrenheit |
| **meq** | milliequivalents | **lb.** | pound(s) |
| **g** | gram(s) | **kg** | kilogram(s) |
| **ug** | microgram(s) | **mg** | milligram(s) |
| **ml** | milliliter(s) | **l** | liter(s) |
| **m3** | cubic meter(s) | **ul** | microliter(s) |

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

**Dry weight basis** Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

*U.S. EPA CLP Data Qualifiers:*

**Organic Qualifiers**

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

**Inorganic Qualifiers**

| | |
|---|---|
| **B** | Value is <CRDL, but ≥IDL |
| **E** | Estimated due to interference |
| **M** | Duplicate injection precision not met |
| **N** | Spike sample not within control limits |
| **S** | Method of standard additions (MSA) used for calculation |
| **U** | Compound was not detected |
| **W** | Post digestion spike out of control limits |
| ***** | Duplicate analysis not within control limits |
| **+** | Correlation coefficient for MSA <0.995 |

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

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

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