Delta
Environmental
Consultants, Inc.

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

R0351

May 3, 2001

JUN 15 2001

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

Subject: *First Semi-Annual Event of March 21, 2001, Groundwater Monitoring and Sampling Report*
Chevron Service Station No. 9-3864
5101 Telegraph Avenue
Oakland, California
Delta Project No. DG93-864

Dear Ms. Hugo:

Attached for your review and comment is a letter report entitled *First Semi-Annual Event of March 21, 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 March 2001 groundwater monitoring and sampling event.

Currently, we are evaluating the need for additional assessment to identify actions necessary to complete this project.

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

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**

Jim Brownell
Portfolio Manager

JRB (1st Semi-annual 2001 QMR-9-3864.doc)
Enclosures

cc: w/o enclosure
Tom Bauhs – Chevron Product Company
Greg Gurss – Gettler-Ryan Inc.

# GETTLER-RYAN INC.

## TRANSMITTAL

April 30, 2001
G-R #: 386358

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: Former Chevron Service Station**
**# 9-3864**
**5101 Telegraph Avenue**
**Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

| COPIES | DATED | DESCRIPTION |
|---|---|---|
| 2 | April 26, 2001 | Groundwater Monitoring and Sampling Report<br>First Semi-Annual - Event of March 21, 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 ***May 11, 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
Mr. Chuck Headlee, RWQCB-San Francisco Bay Region, 1515 Clay St., Suite 1400, Oakland, CA 94612
Messrs. Howard Schindler, Saul Gevertz and Jon Eager, Temescal Triangle Investors, 4179 Piedmont Ave., Oakland, CA 94611
Mr. Breece Sloan, 2057 Vanderslice Ave., Walnut Creek, CA 94596
Mr. John Gwynn, Gwynn-Schields & Associates, 300 Lakeside Dr., Ste. 1980, Oakland, CA 94612

Enclosures

trans/9-3864-TB

# GETTLER-RYAN INC.

April 26, 2001
G-R Job #386358

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

**RE: First Semi-Annual Event of March 21, 2001**
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-3864
5101 Telegraph Avenue
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
Project Coordinator

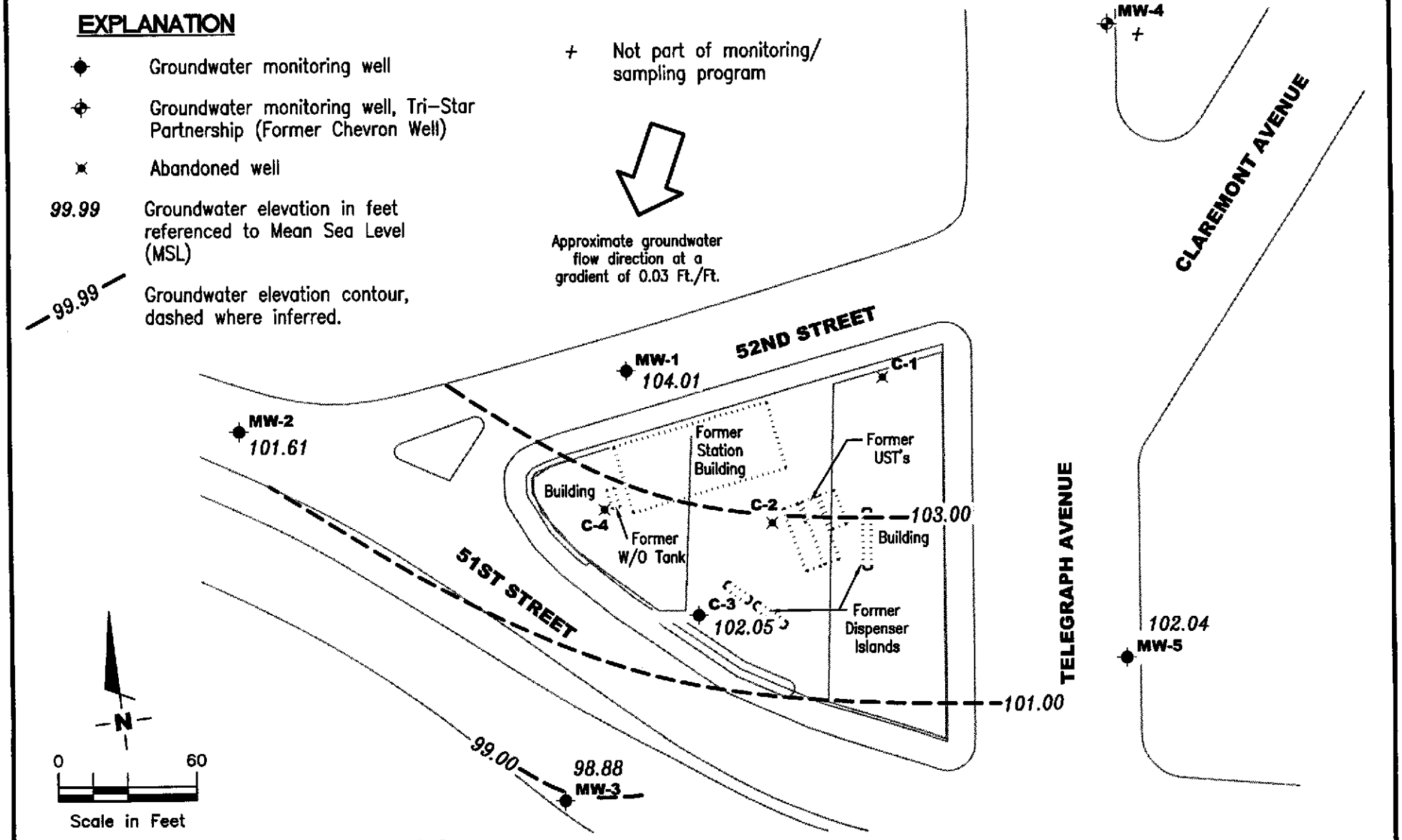
Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

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

## EXPLANATION

- Groundwater monitoring well
- Groundwater monitoring well, Tri-Star Partnership (Former Chevron Well)
- Abandoned well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- 99.99 Groundwater elevation contour, dashed where inferred.
- \+ Not part of monitoring/ sampling program




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**
Former Chevron Service Station #9-3864
5101 Telegraph Avenue
Oakland, California

FIGURE
1

| PROJECT NUMBER | REVIEWED BY | DATE | REVISED DATE |
|---|---|---|---|
| 386358 | | March 21, 2001 | |

FILE NAME: P:\ENVIRO\CHEVRON\9-3864\Q01-9-3864.DWG | Layout Tab: Pot1

# Table 1

## Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| C-1 | | | | | | | | | |
| 12/06/90 | 117.45 | 102.11 | 15.34 | 1900 | 17 | 11 | 3.0 | 21 | -- |
| 06/06/91 | 117.45 | 102.83 | 14.62 | 3400 | 21 | 15 | 11 | 18 | -- |
| 12/04/91 | 117.45 | 102.97 | 14.48 | 2700 | 22 | 16 | 13 | 23 | -- |
| 06/02/92 | 117.45 | 102.92 | 14.53 | 1900 | 170 | 170 | 13 | 83 | -- |
| 09/16/92 | 117.45 | 102.52 | 14.93 | 810 | 5.8 | 5.7 | 2.0 | 6.3 | -- |
| 12/21/92 | 117.45 | 103.72 | 13.73 | 75 | 2.4 | 2.9 | 1.4 | 4.7 | -- |
| 03/11/93 | 117.45 | 103.62 | 13.83 | 150 | 2.4 | 20 | 3.3 | 23 | -- |
| 06/11/93 | 117.45 | 103.26 | 14.19 | 400 | 4.3 | 2.3 | 1.0 | 3.5 | -- |
| 09/13/93 | 117.45 | 102.85 | 14.60 | 4100 | 62 | 43 | 34 | 57 | -- |
| 12/14/93 | 117.45 | 103.67 | 13.78 | 3100 | 9.5 | 4.5 | 1.2 | 11 | -- |
| 03/16/94 | 117.45 | 103.44 | 14.01 | 410 | 6.3 | 3.1 | 1.3 | 4.5 | -- |
| 06/17/94 | 117.45 | 102.90 | 14.55 | 3700 | 100 | 42 | 30 | 91 | -- |
| 08/29/94 | 117.45 | 102.96 | 14.49 | 2600 | 15 | <0.5 | 6.7 | 9.7 | -- |
| 12/06/94 | 117.45 | 104.04 | 13.41 | 510 | 2.0 | 2.2 | 1.7 | 9.4 | -- |
| 03/31/95 | 117.45 | 105.33 | 12.12 | 5440 | 9.0 | 2.3 | 2.0 | 3.6 | -- |
| 06/24/95 | 117.45 | 103.45 | 14.00 | 260 | 5.8 | 1.0 | 0.94 | 0.88 | -- |
| 09/12/95 | 117.45 | 103.42 | 14.03 | 650 | 14 | 1.1 | 1.6 | 2.4 | -- |
| 12/29/95 | 117.45 | 104.50 | 12.95 | 990 | 32 | 6.3 | 4.0 | 3.2 | 46 |
| 02/29/96 | 117.45 | 105.27 | 12.18 | 840 | 2.5 | <1.0 | 2.6 | 7.3 | <5.0 |
| 06/26/96 | 117.45 | 103.72 | 13.73 | 290 | 3.6 | 0.73 | 1.0 | 1.1 | 9.9 |
| 09/12/96 | 117.45 | 103.32 | 14.13 | 1200 | 17 | 1.8 | 4.0 | 4.4 | 24 |
| 12/11/96 | 117.45 | 104.66 | 12.79 | 7700 | <10 | 53 | 19 | 44 | 87 |
| ABANDONED | | | | | | | | | |
| C-2 | | | | | | | | | |
| 12/06/90 | 116.16 | 100.82 | 15.34 | 210 | 140 | 9.0 | 2.0 | 11 | -- |
| 06/06/91 | 116.16 | 101.54 | 14.62 | 4800 | 340 | 23 | 19 | 23 | -- |
| 12/04/91 | 116.16 | 100.73 | 15.43 | 3900 | 85 | 15 | 9.1 | 15 | -- |
| 06/02/92 | 116.16 | 101.74 | 14.42 | 3300 | 76 | 9.2 | 14 | 15 | -- |
| 09/16/92 | 116.16 | 101.35 | 14.81 | 3000 | 16 | 15 | 3.4 | 7.5 | -- |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **C-2 (cont)** | | | | | | | | | |
| 12/21/92 | 116.16 | 102.79 | 13.37 | 2200 | 21 | 12 | 7.1 | 15 | -- |
| 03/11/93 | 116.16 | 102.69 | 13.47 | 2200 | 33 | 24 | 12 | 25 | -- |
| 06/11/93 | 116.16 | 102.18 | 13.98 | 2600 | 21 | 25 | 11 | 26 | -- |
| 09/13/93 | 116.16 | 101.61 | 14.55 | 2100 | 31 | 25 | 18 | 39 | -- |
| 12/14/93 | 116.16 | 102.46 | 13.70 | 3800 | <2.5 | 24 | 12 | 20 | -- |
| 03/16/94 | 116.16 | 102.51 | 13.65 | 2600 | 12 | 15 | 10 | 17 | -- |
| 06/17/94 | 116.16 | 102.87 | 13.29 | 2400 | 17 | 19 | 28 | 71 | -- |
| 08/29/94 | 116.16 | 111.60 | 4.56 | 3000 | 29 | 15 | 20 | 4.2 | -- |
| 12/06/94 | 116.16 | 102.98 | 13.18 | 1900 | 7.9 | 30 | 14 | 31 | -- |
| 03/31/95 | 116.16 | 104.10 | 12.06 | 890 | <1.3 | <1.3 | 2.6 | <1.3 | -- |
| 06/24/95 | 116.16 | 102.19 | 13.97 | 730 | 4.8 | <0.5 | 5.4 | 0.96 | -- |
| 09/12/95 | 116.16 | 102.28 | 13.88 | 1600 | <2.5 | <2.5 | 5.4 | <2.5 | -- |
| 12/29/95 | 116.16 | 103.31 | 12.85 | 1000 | 9.1 | 2.7 | 8.7 | 2.7 | 19 |
| 02/29/96 | 116.16 | 104.09 | 12.07 | 850 | <2.5 | <2.5 | 8.7 | 11 | <12 |
| 06/26/96 | 116.16 | 102.50 | 13.66 | 2500 | 14 | <5.0 | 13 | 6.3 | <25 |
| 09/12/96 | 116.16 | 102.25 | 13.91 | 1800 | 26 | 19 | 17 | 31 | 37 |
| 12/11/96 | 116.16 | 103.82 | 12.34 | 2800 | <5.0 | 34 | 14 | <5.0 | 41 |
| ABANDONED | | | | | | | | | |
| **C-3** | | | | | | | | | |
| 12/06/90 | 115.70 | 98.84 | 16.86 | 210 | 2.0 | <0.5 | <0.5 | 1.0 | -- |
| 12/06/90 (D) | -- | -- | -- | 220 | 2.0 | 0.6 | <0.5 | 2.0 | -- |
| 06/06/91 | 115.70 | 100.01 | 15.69 | 6400 | 310 | 21 | 16 | 21 | -- |
| 09/16/92 | 115.70 | 99.81 | 15.89 | 7100 | 130 | 26 | 12 | 30 | -- |
| 12/04/91 | 115.70 | 100.32 | 15.38 | 5100 | 120 | 18 | 17 | 20 | -- |
| 06/02/92 | 115.70 | 100.30 | 15.40 | 6700 | 140 | 44 | 17 | 37 | -- |
| 12/21/92 | 115.70 | 101.79 | 13.91 | 13,000 | 390 | 360 | 100 | 410 | -- |
| 03/11/93 | 115.70 | 101.95 | 13.75 | 5100 | 86 | 20 | 12 | 23 | -- |
| 06/11/93 | 115.70 | 101.03 | 14.67 | 7200 | 91 | 38 | 19 | 38 | -- |
| 09/13/93 | 115.70 | 100.17 | 15.53 | 6800 | 100 | 52 | 41 | 75 | -- |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **C-3 (cont)** | | | | | | | | | |
| 12/14/93 | 115.70 | 101.30 | 14.40 | 8600 | 74 | 23 | 18 | 36 | -- |
| 03/16/94 | 115.70 | 101.44 | 14.26 | 6000 | 100 | 42 | 27 | 30 | -- |
| 06/17/94 | 115.70 | 100.60 | 15.10 | 15,000 | 170 | 120 | 120 | 270 | -- |
| 08/29/94 | 115.70 | 100.30 | 15.40 | 26,000 | 51 | <0.5 | 58 | 107 | -- |
| 12/06/94 | 115.70 | 101.90 | 13.80 | 34,000 | 88 | 140 | 98 | 390 | -- |
| 03/31/95 | 115.70 | 102.91 | 12.79 | 2800 | 42 | <5.0 | <5.0 | 6.6 | -- |
| 06/24/95 | 115.70 | 100.84 | 14.86 | 5200 | 34 | <10 | <10 | 13 | -- |
| 09/12/95 | 115.70 | 100.76 | 14.94 | 7000 | 45 | <10 | 28 | 42 | -- |
| 12/29/95 | 115.70 | 102.12 | 13.58 | 5100 | 20 | <10 | <10 | 19 | <50 |
| 02/29/96 | 115.70 | 102.88 | 12.82 | 2600 | 15 | <5.0 | 17 | 16 | <25 |
| 06/26/96 | 115.70 | 101.32 | 14.38 | 4400 | <10 | <10 | <10 | <10 | <50 |
| 09/12/96 | 115.70 | 100.75 | 14.95 | 5800 | 73 | 22 | 18 | 17 | 61 |
| 12/11/96 | 115.70 | 103.08 | 12.62 | 8800 | 81 | <20 | <20 | 37 | 200 |
| 03/31/97 | 115.70 | 100.70 | 15.00 | 8100 | 38 | 62 | 30 | 42 | 38 |
| 06/29/97 | 115.70 | 100.08 | 15.62 | 5800 | <10 | <10 | <10 | 67 | <50 |
| 09/30/97 | 115.70 | 100.70 | 15.00 | 6200 | <10 | 28 | 21 | 27 | 130 |
| 12/12/97 | 115.70 | 103.68 | 12.02 | 330 | 1.6 | 1.1 | <1.0 | 3.4 | <5.0 |
| 02/19/98 | 115.70 | 103.26 | 12.44 | 110 | 1.7 | <0.5 | <0.5 | 0.51 | <2.5 |
| 06/16/98 | 115.70 | 102.29 | 13.41 | 7400 | 63 | 16 | <10 | <10 | 170 |
| 08/31/98 | 115.70 | 101.70 | 14.00 | 4400 | 6.4 | <2.5 | 5.4 | 16 | 15 |
| 12/23/98 | 115.70 | 102.91 | 12.79 | 11,000 | 83 | 37 | 69 | 76 | 86 |
| 03/09/99 | 115.70 | 102.70 | 13.00 | 6500 | 45 | 38 | 17 | 30 | 110 |
| 06/23/99[1] | 115.70 | 101.92 | 13.78 | -- | -- | -- | -- | -- | -- |
| 09/30/99 | 115.70 | 99.70 | 16.00 | 3870 | 29.7 | 8.72 | 7.08 | 7.75 | <50 |
| 02/29/00 | 115.70 | 102.14 | 13.56 | 2660 | 22.5 | <5.0 | 11.2 | 11.6 | <50 |
| 09/18/00[3] | 115.70 | 103.25 | 12.45 | 740[4] | 6.0 | 4.5 | <2.5 | 6.0 | <13 |
| **03/21/01[3]** | **115.70** | **102.05** | **13.65** | **1,700[4]** | **21** | **12** | **14** | **19** | **59** |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **C-4** | | | | | | | | | |
| 12/06/90 | 116.10 | 98.42 | 17.68 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/18/90 | 116.10 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/06/91 | 116.10 | 99.61 | 16.49 | <50 | 1.0 | 1.0 | <0.5 | 0.7 | -- |
| 12/04/91 | 116.10 | 99.28 | 16.82 | 70 | 6.5 | 9.8 | 1.7 | 8.6 | -- |
| 06/02/92 | 116.10 | 99.18 | 16.92 | 70 | 3.0 | 4.4 | 1.8 | 9.0 | -- |
| 09/16/92 | 116.10 | 98.39 | 17.71 | <50 | 1.4 | 1.8 | <0.5 | 1.1 | -- |
| 12/21/92 | 116.10 | 100.74 | 15.36 | <50 | 0.6 | 0.7 | <0.5 | 1.5 | -- |
| 03/11/93 | 116.10 | 100.61 | 15.49 | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 06/11/93 | 116.10 | 99.83 | 16.27 | 52 | 0.9 | 3.1 | 0.7 | 3.8 | -- |
| 09/13/93 | 116.10 | 98.92 | 17.18 | 64 | 0.9 | 1.0 | <0.5 | 1.7 | -- |
| 12/14/93 | 116.10 | 101.03 | 15.07 | <50 | <0.5 | 0.8 | <0.5 | 0.7 | -- |
| 03/16/94 | 116.10 | 100.19 | 15.91 | <50 | <0.5 | 1.0 | <0.5 | 0.8 | -- |
| 06/17/94 | 116.10 | 99.46 | 16.64 | 230 | 0.6 | 2.2 | 2.2 | 11 | -- |
| 08/29/94 | 116.10 | 99.05 | 17.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/06/94 | 116.10 | 101.52 | 14.58 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/31/95 | 116.10 | 102.26 | 13.84 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/24/95 | 116.10 | 100.05 | 16.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/12/95 | 116.10 | 99.87 | 16.23 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/29/95 | 116.10 | 101.35 | 14.75 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/29/96 | 116.10 | 102.40 | 13.70 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/26/96 | 116.10 | 100.30 | 15.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/12/96 | 116.10 | 99.67 | 16.43 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/11/96 | 116.10 | 103.18 | 12.92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| ABANDONED | | | | | | | | | |
| **MW-1** | | | | | | | | | |
| 09/20/93 | 115.05 | 102.37 | 12.68 | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 12/14/93 | 115.05 | 105.01 | 10.04 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/16/94 | 115.05 | 103.10 | 11.95 | <50 | <0.5 | 1.7 | <0.5 | 2.1 | -- |
| 06/17/94 | 115.05 | 102.51 | 12.54 | 350 | 1.2 | 3.7 | 2.0 | 12 | -- |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864
5101 Telegraph Avenue
Oakland, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-1 (cont)** | | | | | | | | | |
| 08/29/94 | 115.05 | 101.98 | 13.07 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/06/94 | 115.05 | 104.45 | 10.60 | 140 | 0.9 | 2.8 | 1.1 | 4.2 | -- |
| 03/31/95 | 115.05 | 104.74 | 10.31 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/24/95 | 115.05 | 102.44 | 12.61 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/12/95 | 115.05 | 102.00 | 13.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 02/02/96 | 115.05 | 106.19 | 8.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/29/96 | 115.05 | 105.39 | 9.66 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/26/96 | 115.05 | 102.85 | 12.20 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/12/96 | 115.05 | 101.55 | 13.50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/11/96 | 115.05 | 105.90 | 9.15 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/31/97 | 115.05 | 102.30 | 12.75 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/29/97 | 115.05 | 102.01 | 13.04 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/30/97 | 115.05 | 101.80 | 13.25 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/12/97 | 115.05 | 106.06 | 8.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/19/98 | 115.05 | 105.64 | 9.41 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/16/98 | 115.02 | 103.48 | 11.54 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 2.6 |
| 08/31/98 | 115.02 | 102.51 | 12.51 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/23/98 | 115.02 | 103.03 | 11.99 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/09/99 | 115.02 | 104.57 | 10.45 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/30/99 | 115.02 | 102.07 | 12.95 | SAMPLED ANNUALLY | | -- | -- | -- | -- |
| 02/29/00 | 115.02 | 105.90 | 9.12 | <50 | <0.5 | 0.816 | <0.5 | <0.5 | <5.0 |
| 09/18/00 | 115.02 | 104.14 | 10.88 | -- | -- | -- | -- | -- | -- |
| **03/21/01** | **115.02** | **104.01** | **11.01** | **<50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<2.5** |
| **MW-2** | | | | | | | | | |
| 09/20/93 | 112.08 | 99.93 | 12.15 | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 12/14/93 | 112.08 | 97.36 | 14.72 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/16/94 | 112.08 | 100.92 | 11.16 | <50 | <0.5 | 1.1 | <0.5 | 0.9 | -- |
| 06/17/94 | 112.08 | 100.41 | 11.67 | 330 | 1.4 | 3.3 | 1.9 | 11 | -- |
| 08/29/94 | 112.08 | 100.08 | 12.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-2 (cont)** | | | | | | | | | |
| 12/06/94 | 112.08 | 102.57 | 9.51 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/31/95 | 112.08 | 103.24 | 8.84 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/24/95 | 112.08 | 100.44 | 11.64 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/12/95 | 112.08 | 100.00 | 12.08 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/29/95 | 112.08 | 101.58 | 10.50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/29/96 | 112.08 | 104.08 | 8.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/26/96 | 112.08 | 100.58 | 11.50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/12/96 | 112.08 | 99.81 | 12.27 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/11/96 | 112.08 | 104.17 | 7.91 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/31/97 | 112.08 | 100.20 | 11.88 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/29/97 | 112.08 | 99.89 | 12.19 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/30/97 | 112.08 | 99.46 | 12.62 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/12/97 | 112.08 | 102.85 | 9.23 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/19/98 | 112.08 | 104.87 | 7.21 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/16/98 | 112.03 | 101.10 | 10.93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 08/31/98 | 112.03 | 99.69 | 12.34 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/23/98 | 112.03 | 100.59 | 11.44 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/09/99 | 112.03 | 103.23 | 8.80 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/30/99 | 112.03 | 101.22 | 10.81 | SAMPLED ANNUALLY | | -- | -- | -- | -- |
| 02/29/00 | 112.03 | 105.12 | 6.91 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 09/18/00 | 112.03 | 101.00 | 11.03 | -- | -- | -- | -- | -- | -- |
| **03/21/01** | **112.03** | **101.61** | **10.42** | **<50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<2.5** |
| **MW-3** | | | | | | | | | |
| 09/20/93 | 113.67 | 97.25 | 16.42 | 6600 | 400 | 11 | 32 | 23 | -- |
| 12/14/93 | 113.67 | 98.95 | 14.72 | 8400 | 390 | 9.4 | 13 | <2.5 | -- |
| 03/16/94 | 113.67 | 98.45 | 15.22 | 6900 | 260 | 30 | 32 | 27 | -- |
| 06/17/94 | 113.67 | 97.62 | 16.05 | 10,000 | 190 | 61 | 58 | 190 | -- |
| 08/29/94 | 113.67 | 97.44 | 16.23 | 7200 | 74 | 9.8 | 26 | 24 | -- |
| 12/06/94 | 113.67 | 99.35 | 14.32 | 13,000 | 610 | 86 | 88 | 140 | -- |

# Table 1

**Groundwater Monitoring Data and Analytical Results**

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, 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 (cont)** | | | | | | | | | |
| 03/31/95 | 113.67 | 99.98 | 13.69 | 4300 | 120 | <10 | 12 | <10 | -- |
| 06/24/95 | 113.67 | 98.02 | 15.65 | 6200 | 210 | 24 | 29 | 12 | -- |
| 09/12/95 | 113.67 | 97.68 | 15.99 | 7200 | 190 | <20 | <20 | <20 | -- |
| 12/29/95 | 113.67 | 99.67 | 14.00 | 7100 | 200 | <10 | 45 | 24 | <50 |
| 02/29/96 | 113.67 | 100.91 | 12.76 | 1200 | 30 | <5.0 | <5.0 | <5.0 | <25 |
| 06/26/96 | 113.67 | 98.44 | 15.23 | 7900 | 180 | <20 | 35 | 28 | 240 |
| 09/12/96 | 113.67 | 97.73 | 15.94 | 11,000 | 150 | <5.0 | 35 | 28 | 170 |
| 12/11/96 | 113.67 | 99.86 | 13.81 | 7500 | 75 | 8.8 | 30 | 45 | 110 |
| 03/31/97 | 113.67 | 98.23 | 15.44 | 8700 | 100 | <10 | 20 | 23 | 50 |
| 06/29/97 | 113.67 | 97.99 | 15.68 | 9300 | 120 | 28 | 22 | 19 | 150 |
| 09/30/97 | 113.67 | 97.76 | 15.91 | 8200 | 78 | <10 | 22 | 25 | 96 |
| 12/12/97 | 113.67 | 100.82 | 12.85 | 68 | 1.8 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/19/98 | 113.67 | 100.41 | 13.26 | 220 | 5.6 | 1.5 | <0.5 | <0.5 | 6.1 |
| 06/16/98 | 113.63 | 99.12 | 14.51 | 7500 | 97 | 21 | 21 | 27 | 160 |
| 08/31/98 | 113.63 | 98.62 | 15.01 | 7600 | 24 | <2.5 | 9.5 | 16 | 38 |
| 12/23/98 | 113.63 | 100.03 | 13.60 | 5800 | 69 | <50 | <50 | <50 | <250 |
| 03/09/99 | 113.63 | 99.59 | 14.04 | 5300 | <10 | <10 | 16 | 20 | 88 |
| 06/23/99[1] | 113.63 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/19/99[1] | 113.63 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/30/99 | 113.63 | 96.74 | 16.89 | 8660 | 53.7 | 16.9 | 17 | 19.6 | 132 |
| 02/29/00 | 113.63 | INACCESSIBLE | -- | -- | -- | -- | -- | -- | -- |
| 09/18/00[3] | 113.63 | 100.41 | 13.22 | 2,400[4] | 14 | 6.8 | 4.7 | 7.4 | 28 |
| **03/21/01[3]** | **113.63** | **98.88** | **14.75** | **7,600[4]** | **41** | **30** | **<25** | **50** | **160** |
| **MW-4** | | | | | | | | | |
| 09/20/93 | 118.10 | 107.17 | 10.93 | 5800 | 16 | 4.2 | 35 | 48 | -- |
| 12/14/93 | 118.10 | 108.33 | 9.77 | 7100 | 19 | 6.5 | 24 | 35 | -- |
| 03/16/94 | 118.10 | 107.99 | 10.11 | 8500 | 83 | 43 | 60 | 70 | -- |
| 06/17/94 | 118.10 | 107.20 | 10.90 | 21,000 | 150 | 20 | 140 | 350 | -- |
| 08/29/94 | 118.10 | 107.28 | 10.82 | 10,000 | 86 | 71 | 44 | 85 | -- |

# Table 1

**Groundwater Monitoring Data and Analytical Results**

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, 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)** | | | | | | | | | |
| 12/06/94 | 118.10 | 108.70 | 9.40 | 13,000 | 68 | 56 | 67 | 110 | -- |
| 03/31/95 | 118.10 | 109.31 | 8.79 | 6700 | 100 | 9.4 | 26 | 23 | -- |
| 06/24/95 | 118.10 | 107.60 | 10.50 | 6300 | <20 | <20 | <20 | 24 | -- |
| 09/12/95 | 118.10 | 107.90 | 10.20 | 7100 | 65 | 16 | <10 | 21 | -- |
| 12/29/95 | 118.10 | 108.86 | 9.24 | 3300 | <10 | <10 | 12 | 14 | 720 |
| 02/29/96 | 118.10 | 111.85 | 6.25 | 5100 | <10 | 37 | 23 | 21 | 85 |
| 06/26/96 | 118.10 | 107.92 | 10.18 | 6800 | <20 | <20 | <20 | <20 | <100 |
| 09/12/96 | 118.10 | 107.53 | 10.57 | 13,000 | 150 | <10 | 38 | 35 | 240 |
| 12/11/96 | 118.10 | 109.39 | 8.71 | 26,000 | <20 | <20 | <20 | 170 | <100 |
| 03/31/97 | 118.10 | 107.18 | 10.92 | 12,000 | 120 | 74 | 45 | 70 | 240 |
| 06/29/97 | 118.10 | 106.43 | 11.67 | 8800 | 24 | <10 | 35 | 36 | 62 |
| 09/30/97 | 118.10 | 107.20 | 10.90 | 10,000 | <10 | <10 | 37 | 35 | 72 |
| 12/12/97 | 118.10 | 105.16 | 12.94 | 4600 | 95 | 41 | 20 | 25 | 91 |
| 02/19/98 | 118.10 | 110.33 | 7.77 | 5400 | 87 | 16 | 32 | 31 | 110 |
| 06/16/98[2] | 118.08 | 107.82 | 10.26 | 10,000 | <20 | <20 | 35 | 37 | 150 |
| NOT MONITORED/SAMPLED | | | | | | | | | |
| **MW-5** | | | | | | | | | |
| 09/20/93 | 116.74 | 101.43 | 15.31 | 590 | 25 | 1.8 | 0.6 | 2.0 | -- |
| 12/14/93 | 116.74 | 102.19 | 14.55 | 210 | 11 | 6.3 | 2.3 | 6.1 | -- |
| 03/16/94 | 116.74 | 101.77 | 14.97 | 270 | 12 | 16 | 4.8 | 17 | -- |
| 06/17/94 | 116.74 | 101.36 | 15.38 | 220 | 24 | 17 | 6.7 | 28 | -- |
| 08/29/94 | 116.74 | 101.54 | 15.20 | 1000 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/06/94 | 116.74 | 102.09 | 14.65 | 110 | 9.2 | 9.7 | 2.2 | 11 | -- |
| 03/31/95 | 116.74 | 103.04 | 13.70 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/24/95 | 116.74 | 101.95 | 14.79 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/12/95 | 116.74 | 102.15 | 14.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/29/95 | 116.74 | 101.76 | 14.98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/29/96 | 116.74 | 103.07 | 13.67 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/26/96 | 116.74 | 102.50 | 14.24 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, 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)** | | | | | | | | | |
| 09/12/96 | 116.74 | 102.12 | 14.62 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/11/96 | 116.74 | 102.93 | 13.81 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/31/97 | 116.74 | 101.29 | 15.45 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/29/97 | 116.74 | 102.07 | 14.67 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/30/97 | 116.74 | 101.89 | 14.85 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/12/97 | 116.74 | 102.99 | 13.75 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/19/98 | 116.74 | 103.68 | 13.06 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/16/98 | 116.70 | 102.35 | 14.35 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 08/31/98 | 116.70 | 101.54 | 15.16 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/23/98 | 116.70 | 102.15 | 14.55 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/09/99 | 116.70 | 102.63 | 14.07 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/30/99 | 116.70 | 100.80 | 15.90 | SAMPLED ANNUALLY | | -- | -- | -- | -- |
| 02/29/00 | 116.70 | 103.40 | 13.30 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 09/18/00 | 116.70 | 101.62 | 15.08 | -- | -- | -- | -- | -- | -- |
| **03/21/01** | **116.70** | **102.04** | **14.66** | **<50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<2.5** |
| **TRIP BLANK** | | | | | | | | | |
| 12/06/90 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/18/90 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/06/91 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/04/91 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/02/92 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/16/92 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/21/92 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/11/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 06/11/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 09/13/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 12/14/93 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/16/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/17/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |

# Table 1

**Groundwater Monitoring Data and Analytical Results**

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, 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)** | | | | | | | | | |
| 08/29/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/06/94 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/31/95 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/24/95 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/12/95 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/29/95 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 02/29/96 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/26/96 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/12/96 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/11/96 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 03/31/97 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/29/97 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/30/97 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/12/97 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 02/19/98 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 06/16/98 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 08/31/98 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 12/23/98 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 2.9 |
| 03/09/99 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 09/30/99 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 02/29/00 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 09/18/00 | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| **03/21/01** | **--** | **--** | **--** | **<50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<2.5** |

# Table 1

## Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to February 9, 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

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

(D) = Duplicate

[1] ORC installed.

[2] Transfer of title to Tri-Star Partnership, Inc. effective July 14, 1998.

[3] ORC in well.

[4] Laboratory report indicates gasoline C6-C12.

# Table 2

**Dissolved Oxygen Concentrations**

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

| WELL ID | DATE | Before Purging *(mg/L)* | After Purging *(mg/L)* |
|---|---|---|---|
| C-3 | 09/18/00 | 3.64 | -- |
| | **03/21/01** | **1.0** | -- |
| MW-3 | 09/18/00 | 4.01 | -- |
| | **03/21/01** | **1.3** | -- |

**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, 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 9-3864 Job#: 386358

Address: 5101 Telegraph Ave. Date: 3-21-01

City: Oakland, CA Sampler: T.C

Well ID C-3 Well Condition: O.K

Well Diameter 2" in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 28.95 ft.

Depth to Water 13.65 ft.

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

15.30 X VF .17 = 2.6 X 3 (case volume) = Estimated Purge Volume: 8.0 (gal.)

Purge Equipment: (Disposable Bailer), Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: (Disposable Bailer), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 12:00 Weather Conditions: Clear

Sampling Time: 12:15 Water Color: Grey / Sheen Odor: Y

Purging Flow Rate: — gpm. Sediment Description:

Did well de-water? N If yes; Time: Volume: (gal.)

| Time | Volume (gal.) | pH | Conductivity µmhos/cm | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|---|---|---|---|---|---|---|---|
| 12:03 | 2.5 | 7.91 | 781 | 70.1 pac- | 1.0 | | |
| 12:06 | 5.0 | 7.32 | 762 | 70.2 | | | |
| 12:10 | 8.0 | 7.18 | 706 | 70.2 | | | |
| | | | | | | | |
| | | | | | | | |

## LABORATORY INFORMATION

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

COMMENTS: ORC in well

# WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-3864 Job#: 386358

Address: 5101 Telegraph Ave. Date: 3-21-01

City: Oakland, CA Sampler: J.C

Well ID MW-1 Well Condition: O.K

Well Diameter 2" in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 22.60 ft.

Depth to Water 11.01 ft.

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

11.59 X VF .17 = 1.9 X 3 (case volume) = Estimated Purge Volume: 6.0 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 12:30 Weather Conditions: Clear

Sampling Time: 12:40 Water Color: Clear Odor: MILD

Purging Flow Rate: — gpm. Sediment Description: BLACK SILT

Did well de-water? N If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity µmhos/cm | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|---|---|---|---|---|---|---|---|
| 12:32 | 2.0 | 7.14 | 406 | 69.6 | | | |
| 12:34 | 4.0 | 7.21 | 431 | 69.9 | | | |
| 12:36 | 6.0 | 7.32 | 482 | 70.1 | | | |
| | | | | | | | |
| | | | | | | | |

## LABORATORY INFORMATION

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

COMMENTS: _____

9/97-fieldst.fm

# WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-3864 Job#: 386358

Address: 5101 Telegraph Ave. Date: 3-21-01

City: Oakland, CA Sampler: J.C

Well ID MW-2 Well Condition: O.K

Well Diameter 2" in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 24.00 ft.

Depth to Water 10.42 ft.

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

13.58 X VF .17 = 2.3 X 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

**Purge Equipment:** (Disposable Bailer) / Bailer / Stack / Suction / Grundfos / Other:

**Sampling Equipment:** (Disposable Bailer) / Bailer / Pressure Bailer / Grab Sample / Other:

Starting Time: 12:50

Sampling Time: 1:00

Purging Flow Rate: — gpm.

Did well de-water? N

Weather Conditions: Clear

Water Color: Light Brown Odor: N

Sediment Description:

If yes; Time: Volume: (gal.)

| Time | Volume (gal.) | pH | Conductivity µmhos/cm | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|---|---|---|---|---|---|---|---|
| 12:52 | 2.5 | 7.81 | 521 | 70.1 | | | |
| 12:54 | 5.0 | 7.71 | 501 | 70.6 | | | |
| 12:56 | 7.0 | 223 | 463 | 70.3 | | | |
| | | | | | | | |
| | | | | | | | |

## LABORATORY INFORMATION

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

COMMENTS:

# WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-3864 Job#: 386358

Address: 5101 Telegraph Ave. Date: 3-21-01

City: Oakland, CA Sampler: J.C

Well ID MW-3 Well Condition: o.k

Well Diameter 2" in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 26.45 ft.

Depth to Water 14.75 ft.

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

11.70 X VF .17 = 1.9 X 3 (case volume) = Estimated Purge Volume: 6.0 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 1315 Weather Conditions: Clear

Sampling Time: 1325 Water Color: LIGHT BROWN Odor: Y

Purging Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? N If yes; Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity µmhos/cm | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|---|---|---|---|---|---|---|---|
| 1313 | 2.0 | 7.91 | 404 | 70.0 | pre 1.3 | | |
| 1321 | 4.0 | 7.61 | 391 | 70.0 | | | |
| 1323 | 6.0 | 7.53 | 376 | 70.1 | | | |
| | | | | | | | |
| | | | | | | | |

## LABORATORY INFORMATION

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

COMMENTS: ORC in well

9/97-fieldat.frm

# WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-3864 Job#: 386358

Address: 5101 Telegraph Ave. Date: 3-21-01

City: Oakland, CA Sampler: T.C

Well ID MW-5 Well Condition: O.K

Well Diameter 2" in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 21.57 ft.

Depth to Water 14.66 ft.

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

6.90 X VF .17 = 1.1 X 3 (case volume) = Estimated Purge Volume: 5.5 (gal.)

Purge Equipment: (Disposable Bailer), Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: (Disposable Bailer), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1140 Weather Conditions: Clear

Sampling Time: 1145 Water Color: LIGHT BROWN Odor: N

Purging Flow Rate: — gpm. Sediment Description:

Did well de-water? N If yes; Time: Volume: (gal.)

| Time | Volume (gal.) | pH | Conductivity µmhos/cm | Temperature °F | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|---|---|---|---|---|---|---|---|
| 1142 | 1.0 | 7.63 | 682 | 69.8 | | | |
| 1148 | 2.0 | 7.21 | 631 | 69.9 | | | |
| 1144 | 3.5 | 7.46 | 598 | 70.0 | | | |
| | | | | | | | |
| | | | | | | | |

## LABORATORY INFORMATION

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

COMMENTS:

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

# Chain-of-Custody-Record

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

Chevron Facility Number #9-3864
Facility Address 5101 TELEGRAPH AVE., OAKLAND, CA.
Consultant Project Number 386358
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 W103541
Laboratory Service Order
Laboratory Service Code
Samples Collected by (Name) Tony CAMARDA
Signature Tony C. Camarda

State Method: ☑ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT IDAHO

| Sample Number | Number of Containers | Matrix S = Soil A = Air W = Water C = Charcoal | Sample Preservation | Date/Time | BTEX/MTBE+TPH GAS (8020 + 8015) | BTEX + TPH GAS (8020 + 8015) | TPH Diesel (8015) | Oxygenates (8260) | Purgeable Halocarbons (8010) | Purgeable Organics (8260) | Extractable Organics (8270) | Oil and Grease (5520) | Metals (CAM or AA) Cd,Cr,Pb,Zn,Ni | BTEX (8020) | BTEX/MTBE/Naph. (8020) | TPH - HOD | TPH-D Extended | | | | | | Remarks / Lab Sample No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TB-LB | 1 | W | HCL | 3-21-01 | X | | | | | | | | | | | | | | | | | | |
| MW-1 | 3 | | | 1240 | X | | | | | | | | | | | | | | | | | | |
| MW-2 | | | | 1100 | X | | | | | | | | | | | | | | | | | | |
| MW-3 | | | | 1125 | X | | | | | | | | | | | | | | | | | | |
| MW-5 | | | | 1115 | X | | | | | | | | | | | | | | | | | | |
| C-3 | ↓ | ↓ | ↓ | 1215 | X | | | | | | | | | | | | | | | | | | |

| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time | Iced Y/N |
|---|---|---|---|---|---|---|
| Tony C. Camarda | G-R INC. | 3-22-01 | Mika Gollin | Sequoia | 3/23/01 | 1340 |
| 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 |

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia
Analytical

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Walnut Creek, CA 94598
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6 April, 2001

Deanna L. Harding
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Chevron
Sequoia Report: W103541

Enclosed are the results of analyses for samples received by the laboratory on 23-Mar-01 13:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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| | | |
|---|---|---|
| Gettler Ryan, Inc. - Dublin | Project: Chevron | |
| 6747 Sierra Court Suite J | Project Number: Chevron # 9-3864 | **Reported:** |
| Dublin CA, 94568 | Project Manager: Deanna L. Harding | 06-Apr-01 11:11 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| TB-LB | W103541-01 | Water | 21-Mar-01 00:00 | 23-Mar-01 13:40 |
| MW-1 | W103541-02 | Water | 21-Mar-01 12:40 | 23-Mar-01 13:40 |
| MW-2 | W103541-03 | Water | 21-Mar-01 13:00 | 23-Mar-01 13:40 |
| MW-3 | W103541-04 | Water | 21-Mar-01 13:25 | 23-Mar-01 13:40 |
| MW-5 | W103541-05 | Water | 21-Mar-01 13:15 | 23-Mar-01 13:40 |
| C-3 | W103541-06 | Water | 21-Mar-01 12:15 | 23-Mar-01 13:40 |

Sequoia Analytical - Walnut Creek

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Charlie Westwater, Project Manager

Sequoia Analytical

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| | | |
|---|---|---|
| Gettler Ryan, Inc. - Dublin | Project: Chevron | |
| 6747 Sierra Court Suite J | Project Number: Chevron # 9-3864 | **Reported:** |
| Dublin CA, 94568 | Project Manager: Deanna L. Harding | 06-Apr-01 11:11 |

## Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

### Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **TB-LB (W103541-01) Water Sampled: 21-Mar-01 00:00 Received: 23-Mar-01 13:40** | | | | | | | | | |
| Purgeable Hydrocarbons | ND | 50 | ug/l | 1 | 1D02001 | 02-Apr-01 | 02-Apr-01 | EPA 8015M/8020 | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | CC-3 |
| *Surrogate: a,a,a-Trifluorotoluene* | | *115 %* | *70-130* | | " | " | " | " | |
| **MW-1 (W103541-02) Water Sampled: 21-Mar-01 12:40 Received: 23-Mar-01 13:40** | | | | | | | | | |
| Purgeable Hydrocarbons | ND | 50 | ug/l | 1 | 1D02001 | 02-Apr-01 | 02-Apr-01 | EPA 8015M/8020 | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | CC-3 |
| *Surrogate: a,a,a-Trifluorotoluene* | | *100 %* | *70-130* | | " | " | " | " | |
| **MW-2 (W103541-03) Water Sampled: 21-Mar-01 13:00 Received: 23-Mar-01 13:40** | | | | | | | | | |
| Purgeable Hydrocarbons | ND | 50 | ug/l | 1 | 1D02001 | 02-Apr-01 | 02-Apr-01 | EPA 8015M/8020 | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | CC-3 |
| *Surrogate: a,a,a-Trifluorotoluene* | | *101 %* | *70-130* | | " | " | " | " | |

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| | | |
|---|---|---|
| Gettler Ryan, Inc. - Dublin | Project: Chevron | |
| 6747 Sierra Court Suite J | Project Number: Chevron # 9-3864 | **Reported:** |
| Dublin CA, 94568 | Project Manager: Deanna L. Harding | 06-Apr-01 11:11 |

## Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

## Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **MW-3 (W103541-04) Water Sampled: 21-Mar-01 13:25 Received: 23-Mar-01 13:40** | | | | | | | | | **P-01** |
| **Purgeable Hydrocarbons** | **7600** | 2500 | ug/l | 50 | 1D02001 | 02-Apr-01 | 02-Apr-01 | EPA 8015M/8020 | |
| **Benzene** | **41** | 25 | " | " | " | " | " | " | |
| **Toluene** | **30** | 25 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 25 | " | " | " | " | " | " | |
| **Xylenes (total)** | **50** | 25 | " | " | " | " | " | " | |
| **Methyl tert-butyl ether** | **160** | 130 | " | " | " | " | " | " | CC-3 |
| *Surrogate: a,a,a-Trifluorotoluene* | | *93.7 %* | *70-130* | | " | " | " | " | |
| **MW-5 (W103541-05) Water Sampled: 21-Mar-01 13:15 Received: 23-Mar-01 13:40** | | | | | | | | | |
| Purgeable Hydrocarbons | ND | 50 | ug/l | 1 | 1D02001 | 02-Apr-01 | 02-Apr-01 | EPA 8015M/8020 | |
| Benzene | ND | 0.50 | " | " | " | " | " | " | |
| Toluene | ND | 0.50 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.50 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.50 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 2.5 | " | " | " | " | " | " | CC-3 |
| *Surrogate: a,a,a-Trifluorotoluene* | | *100 %* | *70-130* | | " | " | " | " | |
| **C-3 (W103541-06) Water Sampled: 21-Mar-01 12:15 Received: 23-Mar-01 13:40** | | | | | | | | | **P-01** |
| **Purgeable Hydrocarbons** | **1700** | 500 | ug/l | 10 | 1D02001 | 02-Apr-01 | 02-Apr-01 | EPA 8015M/8020 | |
| **Benzene** | **21** | 5.0 | " | " | " | " | " | " | |
| **Toluene** | **12** | 5.0 | " | " | " | " | " | " | |
| **Ethylbenzene** | **14** | 5.0 | " | " | " | " | " | " | |
| **Xylenes (total)** | **19** | 5.0 | " | " | " | " | " | " | |
| **Methyl tert-butyl ether** | **59** | 25 | " | " | " | " | " | " | CC-3 |
| *Surrogate: a,a,a-Trifluorotoluene* | | *94.3 %* | *70-130* | | " | " | " | " | |

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| | | |
|---|---|---|
| Gettler Ryan, Inc. - Dublin | Project: Chevron | |
| 6747 Sierra Court Suite J | Project Number: Chevron # 9-3864 | **Reported:** |
| Dublin CA, 94568 | Project Manager: Deanna L. Harding | 06-Apr-01 11:11 |

## Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

## Sequoia Analytical - Walnut Creek

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1D02001 - EPA 5030B P/T** | | | | | | | | | | |
| **Blank (1D02001-BLK1)** | | | | Prepared & Analyzed: 02-Apr-01 | | | | | | |
| Purgeable Hydrocarbons | ND | 50 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | " | | | | | | | |
| Toluene | ND | 0.50 | " | | | | | | | |
| Ethylbenzene | ND | 0.50 | " | | | | | | | |
| Xylenes (total) | ND | 0.50 | " | | | | | | | |
| Methyl tert-butyl ether | ND | 2.5 | " | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *32.9* | | " | *30.0* | | *110* | *70-130* | | | |
| **LCS (1D02001-BS1)** | | | | Prepared & Analyzed: 02-Apr-01 | | | | | | |
| Benzene | 18.6 | 0.50 | ug/l | 20.0 | | 93.0 | 70-130 | | | |
| Toluene | 19.5 | 0.50 | " | 20.0 | | 97.5 | 70-130 | | | |
| Ethylbenzene | 20.2 | 0.50 | " | 20.0 | | 101 | 70-130 | | | |
| Xylenes (total) | 60.5 | 0.50 | " | 60.0 | | 101 | 70-130 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *29.8* | | " | *30.0* | | *99.3* | *70-130* | | | |
| **Matrix Spike (1D02001-MS1)** | **Source: W103541-02** | | | Prepared & Analyzed: 02-Apr-01 | | | | | | |
| Benzene | 18.6 | 0.50 | ug/l | 20.0 | ND | 93.0 | 70-130 | | | |
| Toluene | 19.1 | 0.50 | " | 20.0 | ND | 95.5 | 70-130 | | | |
| Ethylbenzene | 20.0 | 0.50 | " | 20.0 | ND | 100 | 70-130 | | | |
| Xylenes (total) | 59.8 | 0.50 | " | 60.0 | ND | 99.7 | 70-130 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *30.1* | | " | *30.0* | | *100* | *70-130* | | | |
| **Matrix Spike Dup (1D02001-MSD1)** | **Source: W103541-02** | | | Prepared & Analyzed: 02-Apr-01 | | | | | | |
| Benzene | 19.9 | 0.50 | ug/l | 20.0 | ND | 99.5 | 70-130 | 6.75 | 20 | |
| Toluene | 19.8 | 0.50 | " | 20.0 | ND | 99.0 | 70-130 | 3.60 | 20 | |
| Ethylbenzene | 21.7 | 0.50 | " | 20.0 | ND | 109 | 70-130 | 8.15 | 20 | |
| Xylenes (total) | 65.2 | 0.50 | " | 60.0 | ND | 109 | 70-130 | 8.64 | 20 | |
| *Surrogate: a,a,a-Trifluorotoluene* | *30.8* | | " | *30.0* | | *103* | *70-130* | | | |

Sequoia Analytical

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| | | |
|---|---|---|
| Gettler Ryan, Inc. - Dublin | Project: Chevron | |
| 6747 Sierra Court Suite J | Project Number: Chevron # 9-3864 | **Reported:** |
| Dublin CA, 94568 | Project Manager: Deanna L. Harding | 06-Apr-01 11:11 |

## Notes and Definitions

| | |
|---|---|
| CC-3 | Continuing Calibration indicates that the quantitative result for this analyte includes a greater than 15% degree of uncertainty. The value as reported is within method acceptance. |
| P-01 | Chromatogram Pattern: Gasoline C6-C12 |
| 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 |