

STWD

87 / 0.4

ENVIRONMENTAL PROTECTION



Chevron

00 APR 27 AM 8:57

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd. Bldg. L
P. O. Box 6004
San Ramon, CA 94583-0804

Site Assessment and
Remediation Group
Phone (510) 842-2500
Fax (510) 842-3370

Date: 4-24-00
To: Distribution
Re: Groundwater Monitoring Report, 9-9708

The enclosed groundwater monitoring report has been properly reviewed by a Chevron authorized representative. Agency guidelines have been followed. Blaine Tech Services is authorized to distribute the report directly to interested parties.

If you have any questions, please call me at (510) 842-3695.

Sincerely,

Brett Hunter
Site Assessment and Remediation
Project Manager

BLAINE
TECH SERVICES, INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

April 24, 2000

Brett Hunter
Chevron U.S.A. Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

1st Quarter 2000 Monitoring at 9-9708

First Quarter 2000 Groundwater Monitoring at
Chevron Service Station Number 9-9708
5910 MacArthur Blvd.
Oakland, CA

Monitoring Performed on March 1, 2000

Groundwater Sampling Report 000301-C-2

This report covers the routine monitoring of groundwater wells at this Chevron facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three-case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to McKittrick Waste Treatment Site for disposal.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix**.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,



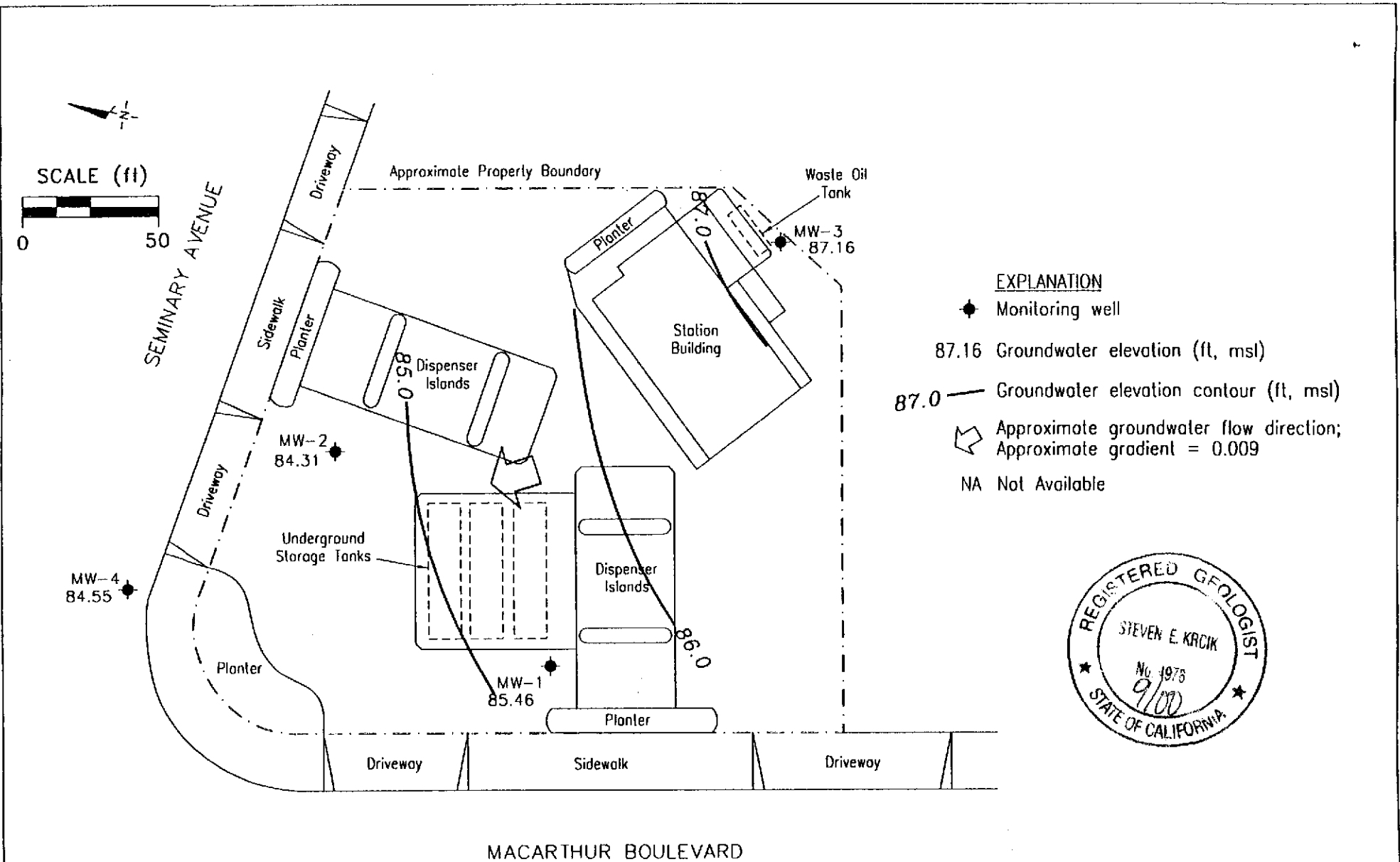
Scott Boor
Project Coordinator

SDB/pb

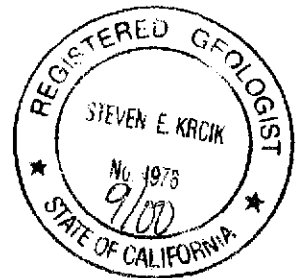
attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

cc: **Thomas Peacock, Alameda County Health Care Services**
Nisson Saidion

Professional Engineering Appendix



- EXPLANATION**
- ◆ Monitoring well
 - 87.16 Groundwater elevation (ft, msl)
 - 87.0 — Groundwater elevation contour (ft, msl)
 - ↙ Approximate groundwater flow direction; Approximate gradient = 0.009
 - NA Not Available



Ref. 9708-qm.dwg
 Basemap from Gettler-Ryan, Inc.

PREPARED BY

Chevron Station 9-9708
 5910 MacArthur Boulevard
 Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP,
 MARCH 1, 2000

FIGURE:
1
PROJECT:
 DAC04

Table of Well Data and Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE | TPH-Diesel | 1,2-DCB | 1,2-DCA | HVOCs |
|-------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|------|------------|---------|---------|-------|
| MW-1 | | | | | | | | | | | | | | |
| 05/29/97 | 96.61 | 84.41 | 12.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/04/97 | 96.61 | 84.40 | 12.21 | -- | 380 | 58 | 1.2 | 5.4 | 40 | 85 | -- | -- | -- | -- |
| 09/16/97 | 96.61 | 83.84 | 12.77 | -- | 420 | 120 | <0.5 | 19 | 2.7 | 28 | -- | -- | -- | -- |
| 12/17/97 | 96.61 | 85.43 | 11.18 | -- | 210* | 43 | 0.61 | 11 | 0.61 | 69 | -- | -- | -- | -- |
| 03/18/98 | 96.61 | 84.59 | 12.02 | -- | 210* | 47 | <0.5 | 8.2 | <0.5 | 92 | -- | -- | -- | -- |
| 06/28/98 | 96.61 | 83.99 | 12.62 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 66 | -- | -- | -- | -- |
| 09/07/98 | 96.61 | 82.32 | 14.29 | -- | <50 | 6.7 | <0.5 | <0.5 | <0.5 | 92 | -- | -- | -- | -- |
| 12/29/98 | 96.61 | 83.18 | 13.43 | -- | <100 | <1.0 | <1.0 | 2.24 | 1.14 | 278 | -- | -- | -- | -- |
| 03/11/99 | 96.61 | 83.80 | 12.81 | -- | 110 | <1.0 | <1.0 | 7.95 | <1.0 | 418 | -- | -- | -- | -- |
| 05/04/99 | 96.61 | 83.85 | 12.76 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/29/99 | 96.61 | 84.06 | 12.55 | -- | 352 | 34.6 | <2.5 | 51 | <2.5 | 780 | -- | -- | -- | -- |
| 09/29/99 | 96.61 | 83.21 | 13.40 | -- | 647 | 167 | <2.5 | 58.6 | 14.8 | 1570 | -- | -- | -- | -- |
| 12/08/99 | 96.61 | 85.70 | 10.91 | -- | 481 | 121 | 1.16 | 17.9 | 11 | 3910 | -- | -- | -- | -- |
| 03/01/00 | 96.61 | 85.46 | 11.15 | -- | 2580 | 481 | 6.84 | 86.6 | 41.9 | 5460 | -- | -- | -- | -- |

* Chromatogram pattern indicates an unidentified hydrocarbon.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE | TPH-Diesel | 1,2-DCB | 1,2-DCA | HVOCs |
|-------------|-----------------|--------------------|----------------|------------------|--------------|---------|---------|---------------|--------|--------|------------|---------|---------|-------|
| MW-2 | | | | | | | | | | | | | | |
| 05/29/97 | 96.91 | 83.85 | 13.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/04/97 | 96.91 | 83.96 | 12.95 | -- | 1600 | 120 | 5.9 | 32 | 15 | 2100 | -- | -- | -- | -- |
| 09/16/97 | 96.91 | 83.92 | 12.99 | -- | 1100 | 23 | 3.2 | 7.0 | 2.5 | 1200 | -- | -- | -- | -- |
| 12/17/97 | 96.91 | 84.73 | 12.18 | -- | 7100* | 650 | 69 | 610 | 69 | 4700 | -- | -- | -- | -- |
| 12/17/97 | 96.91 | 84.73 | 12.18 | Confirmation run | -- | -- | -- | -- | -- | 2600 | -- | -- | -- | -- |
| 03/18/98 | 96.91 | 84.21 | 12.70 | -- | 5900* | 250 | <50 | 98 | <50 | 12,000 | -- | -- | -- | -- |
| 03/18/98 | 96.91 | 84.21 | 12.70 | Confirmation run | -- | -- | -- | -- | -- | 7100 | -- | -- | -- | -- |
| 06/28/98 | 96.91 | 83.98 | 12.93 | -- | 4300 | 400 | <10 | <10 | <10 | 3000 | -- | -- | -- | -- |
| 06/28/98 | 96.91 | 83.98 | 12.93 | Confirmation run | -- | -- | -- | -- | -- | 4000 | -- | -- | -- | -- |
| 09/07/98 | 96.91 | 83.94 | 12.97 | -- | 3700 | 220 | 5.1 | 38 | 7.6 | 1300 | -- | -- | -- | -- |
| 09/07/98 | 96.91 | 83.94 | 12.97 | Confirmation run | -- | -- | -- | -- | -- | 1400 | -- | -- | -- | -- |
| 12/29/98 | 96.91 | 83.99 | 12.92 | -- | 6500 | 573 | 26.8 | 131 | 33.9 | 2660 | -- | -- | -- | -- |
| 03/11/99 | 96.91 | 84.04 | 12.87 | -- | 4970 | 651 | 30.8 | 60.3 | <5.0 | 2600 | -- | -- | -- | -- |
| 05/04/99 | 96.91 | 84.05 | 12.86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/29/99 | 96.91 | 83.98 | 12.93 | -- | 2030 | 238 | 11.6 | 8.98 | <5.0 | 540 | -- | -- | -- | -- |
| 09/29/99 | 96.91 | 84.02 | 12.89 | -- | 2000 | 320 | 10.4 | 16.5 | 20.3 | 642 | -- | -- | -- | -- |
| 12/08/99 | 96.91 | 86.18 | 10.73 | -- | 96.8 | 2.74 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 03/01/00 | 96.91 | 84.31 | 12.60 | -- | <50 | 6.92 | <0.5 | <0.5 | <0.5 | 254 | -- | -- | -- | -- |

* Chromatogram pattern indicates an unidentified hydrocarbon.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE | TPH-Diesel | 1,2-DCB | 1,2-DCA | HVOCs | |
|-------------|-----------------|--------------------|----------------|--------------|--------------|---------|---------|---------------|--------|------|------------|---------|---------|-----------|----|
| MW-3 | | | | | | | | | | | | | | | |
| 05/29/97 | 97.86 | 86.41 | 11.45 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 06/04/97 | 97.86 | 86.58 | 11.28 | ** | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 1200 | ND | 1.0 | -- | |
| 09/16/97 | 97.86 | 85.67 | 12.19 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 2700* | -- | -- | -- | |
| 12/17/97 | 97.86 | 87.06 | 10.80 | -- | <50 | 0.9 | 0.53 | <0.5 | <0.5 | <2.5 | 1200* | -- | -- | -- | |
| 03/18/98 | 97.86 | 86.98 | 10.88 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | 820* | -- | -- | -- | |
| 06/28/98 | 97.86 | 86.26 | 11.60 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | 1100* | 0.99 | ND | <0.5-<5.0 | |
| 09/07/98 | 97.86 | 85.64 | 12.22 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | 1100* | 0.79 | 0.54 | -- | |
| 12/29/98 | 97.86 | 86.06 | 11.80 | -- | 185 | <0.5 | <0.5 | <0.5 | 0.669 | <2.0 | 1760* | 1.04 | 0.578 | <0.5-<5.0 | |
| 03/11/99 | 97.86 | 86.83 | 11.03 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | 1440 | <1.0 | <1.0 | <1.0-<20 | |
| 05/04/99 | 97.86 | 86.43 | 11.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 06/29/99 | 97.86 | 85.71 | 12.15 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 690* | 0.754 | <0.5 | <0.5-<5.0 | |
| 09/29/99 | 97.86 | -- | -- | Inaccessible | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/08/99 | 97.86 | 88.43 | 9.43 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | 1000* | <0.5 | 0.66 | <0.5-<5.0 | |
| 03/01/00 | 97.86 | 87.16 | 10.70 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | 850* | 0.821 | 0.984 | <0.5-<5.0 | |
| MW-4 | | | | | | | | | | | | | | | |
| 05/04/99 | 96.25 | 83.66 | 12.59 | -- | 140 | <0.5 | 0.62 | 0.67 | 2.6 | <2.5 | -- | -- | -- | -- | |
| 06/29/99 | 96.25 | 83.64 | 12.61 | -- | 183 | <0.5 | <0.5 | 1.1 | <0.5 | <5.0 | -- | -- | -- | -- | |
| 09/29/99 | 96.25 | 83.70 | 12.55 | -- | 64.3 | <0.5 | <0.5 | <0.5 | 1.18 | <2.5 | -- | -- | -- | -- | |
| 12/08/99 | 96.25 | 83.81 | 12.44 | -- | 91.2 | 0.589 | <0.5 | 0.52 | <0.5 | 86 | -- | -- | -- | -- | |
| 03/01/00 | 96.25 | 84.55 | 11.70 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- | |

* Chromatogram pattern indicates an unidentified hydrocarbon.

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

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

| DATE | Well Head Elev. | Ground Water Elev. | Depth To Water | Notes | TPH-Gasoline | Benzene | Toluene | Ethyl-Benzene | Xylene | MTBE | TPH-Diesel | 1,2-DCB | 1,2-DCA | HVOCs |
|-------------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|------|------------|---------|---------|-------|
| TRIP BLANK | | | | | | | | | | | | | | |
| 06/04/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- | -- | -- | -- |
| 09/16/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- | -- | -- | -- |
| 12/17/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 03/18/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 06/28/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 09/07/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 09/07/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 12/29/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | -- | -- | -- | -- |
| 03/11/99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | -- | -- | -- | -- |
| 05/04/99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 06/29/99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- | -- | -- | -- |
| 09/29/99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 12/08/99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |
| 03/01/00 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | -- | -- | -- | -- |

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on December 29, 1998.

Earlier field data and analytical results were provided by Gettler-Ryan.

MW-1 through MW-3 were surveyed on June 18, 1997, by Virgil Chavez Land Surveying (PLS #6323). Benchmark Elevation =95.88' (msl).

Well MW-4 was surveyed on May 4, 1999 by Virgil Chavez Land Surveying.

Field Data and Analytical Results for the May 4, 1999 event were provided by Gettler-Ryan, Inc.

ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl tertiary-butyl ether

HVOCs= Halogenated Volatile Organic Compounds

1,2-DCB = 1,2-Dichlorobenzene

1,2-DCA = 1,2-Dichloroethane

Analytical Appendix



March 22, 2000


Scott Boor
Blaine Tech Services (Chev)
1680 Rogers Avenue
San Jose, CA 95112

RE: Chevron 5910 MacArthur Blvd., Oakland / MJC0068

Dear Scott Boor

Enclosed are the results of analyses for sample(s) received by the laboratory on March 2, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Wendy Bonnes
Project Manager

CA ELAP Certificate Number 1210





Blaine Tech Services (Chev)
1680 Rogers Avenue
San Jose, CA 95112

Project: Chevron 5910 MacArthur Blvd., Oak.
Project Number: 9-9708
Project Manager: Scott Boor

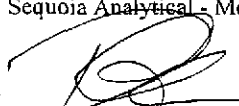
Sampled: 3/1/00
Received: 3/2/00
Reported: 3/22/00 18:45

ANALYTICAL REPORT FOR SAMPLES:

| Sample Description | Laboratory Sample Number | Sample Matrix | Date Sampled |
|--------------------|--------------------------|---------------|--------------|
| MW-1 | MJC0068-01 | Water | 3/1/00 |
| MW-2 | MJC0068-02 | Water | 3/1/00 |
| MW-3 | MJC0068-03 | Water | 3/1/00 |
| MW-4 | MJC0068-04 | Water | 3/1/00 |
| TB | MJC0068-05 | Water | 3/1/00 |

Sequoia Analytical - Morgan Hill

*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.*


Wendy Bonnes, Project Manager





| | | |
|---|--|--|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
|---|--|--|

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill**

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method | Reporting Limit | Result | Units | Notes* |
|-----------------------------------|--------------|---------------|---------------|-------------------|-----------------|-------------|--------------|--------|
| MW-1 | | | | MJC0068-01 | | | Water | |
| Purgeable Hydrocarbons | 0C15003 | 3/15/00 | 3/15/00 | DHS LUFT | 500 | 2580 | ug/l | P-01 |
| Benzene | " | " | " | DHS LUFT | 5.00 | 481 | " | |
| Toluene | " | " | " | DHS LUFT | 5.00 | 6.84 | " | |
| Ethylbenzene | " | " | " | DHS LUFT | 5.00 | 86.6 | " | |
| Xylenes (total) | " | " | " | DHS LUFT | 5.00 | 41.9 | " | |
| Methyl tert-butyl ether | " | " | " | DHS LUFT | 125 | 5460 | " | M-03 |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70-130 | | 112 | % | |
| MW-2 | | | | MJC0068-02 | | | Water | |
| Purgeable Hydrocarbons | 0C15003 | 3/15/00 | 3/15/00 | DHS LUFT | 50.0 | ND | ug/l | |
| Benzene | " | " | " | DHS LUFT | 0.500 | 6.92 | " | |
| Toluene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | DHS LUFT | 2.50 | 254 | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70-130 | | 86.0 | % | |
| MW-3 | | | | MJC0068-03 | | | Water | |
| Purgeable Hydrocarbons | 0C15003 | 3/15/00 | 3/15/00 | DHS LUFT | 50.0 | ND | ug/l | |
| Benzene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Toluene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | DHS LUFT | 2.50 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70-130 | | 97.3 | % | |
| MW-4 | | | | MJC0068-04 | | | Water | |
| Purgeable Hydrocarbons | 0C12002 | 3/12/00 | 3/12/00 | DHS LUFT | 50.0 | ND | ug/l | |
| Benzene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Toluene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | DHS LUFT | 2.50 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70-130 | | 88.8 | % | |
| TB | | | | MJC0068-05 | | | Water | |
| Purgeable Hydrocarbons | 0C12002 | 3/12/00 | 3/12/00 | DHS LUFT | 50.0 | ND | ug/l | |
| Benzene | " | " | " | DHS LUFT | 0.500 | ND | " | |





| | | |
|---|--|--|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
|---|--|--|

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill**

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method | Reporting Limit | Result | Units | Notes* |
|---|--------------|---------------|---------------|-------------------|-----------------|--------|--------------|--------|
| TB (continued) | | | | MJC0068-05 | | | Water | |
| Toluene | 0C12002 | 3/12/00 | 3/12/00 | DHS LUFT | 0.500 | ND | ug/l | |
| Ethylbenzene | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | DHS LUFT | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | DHS LUFT | 2.50 | ND | " | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | " | " | " | 70-130 | | 83.7 | % | |





| | | |
|---|--|--|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
|---|--|--|

Volatile Organic Compounds by EPA Method 8010B
Sequoia Analytical - Morgan Hill

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method | Reporting Limit | Result | Units | Notes* |
|---------------------------------|--------------|---------------|---------------|-------------------|-----------------|--------------|--------------|--------|
| MW-3 | | | | MJC0068-03 | | | Water | |
| Bromodichloromethane | 0C01010 | 3/3/00 | 3/3/00 | EPA 8010B | 0.500 | ND | ug/l | |
| Bromoform | " | " | " | EPA 8010B | 0.500 | ND | " | |
| Bromomethane | " | " | " | EPA 8010B | 1.00 | ND | " | |
| Carbon tetrachloride | " | " | " | EPA 8010B | 0.500 | ND | " | |
| Chlorobenzene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| Chloroethane | " | " | " | EPA 8010B | 1.00 | ND | " | |
| Chloroform | " | " | " | EPA 8010B | 0.500 | ND | " | |
| Chloromethane | " | " | " | EPA 8010B | 1.00 | ND | " | |
| Dibromochloromethane | " | " | " | EPA 8010B | 0.500 | ND | " | |
| 1,3-Dichlorobenzene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| 1,4-Dichlorobenzene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| 1,2-Dichlorobenzene | " | " | " | EPA 8010B | 0.500 | 0.821 | " | |
| 1,1-Dichloroethane | " | " | " | EPA 8010B | 0.500 | ND | " | |
| 1,2-Dichloroethane | " | " | " | EPA 8010B | 0.500 | 0.984 | " | |
| 1,1-Dichloroethene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| cis-1,2-Dichloroethene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| trans-1,2-Dichloroethene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| 1,2-Dichloropropane | " | " | " | EPA 8010B | 0.500 | ND | " | |
| cis-1,3-Dichloropropene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| trans-1,3-Dichloropropene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| Methylene chloride | " | " | " | EPA 8010B | 5.00 | ND | " | |
| 1,1,2,2-Tetrachloroethane | " | " | " | EPA 8010B | 0.500 | ND | " | |
| Tetrachloroethene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| 1,1,1-Trichloroethane | " | " | " | EPA 8010B | 0.500 | ND | " | |
| 1,1,2-Trichloroethane | " | " | " | EPA 8010B | 0.500 | ND | " | |
| 1,1,2-Trichlorotrifluoroethane | " | " | " | EPA 8010B | 1.00 | ND | " | |
| Trichloroethene | " | " | " | EPA 8010B | 0.500 | ND | " | |
| Trichlorofluoromethane | " | " | " | EPA 8010B | 0.500 | ND | " | |
| Vinyl chloride | " | " | " | EPA 8010B | 1.00 | ND | " | |
| 1,2-Dibromoethane | " | " | " | EPA 8010B | 1.00 | ND | " | |
| Surrogate: 4-Bromofluorobenzene | " | " | " | 70-130 | | 91.0 | % | |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
|---|--|--|

**Diesel Hydrocarbons (C9-C24) by DHS LUFT
Sequoia Analytical - Walnut Creek**

| Analyte | Batch Number | Date Prepared | Date Analyzed | Specific Method | Reporting Limit | Result | Units | Notes* |
|----------------------------------|--------------|---------------|---------------|-------------------|-----------------|------------|--------------|--------|
| MW-3 | | | | MJC0068-03 | | | Water | |
| Diesel Range Hydrocarbons | 0C15024 | 3/15/00 | 3/17/00 | EPA 8015M | 50 | 850 | ug/l | D-12 |
| <i>Surrogate: n-Pentacosane</i> | " | " | " | 50-150 | | NR | % | D-07 |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill**

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Reporting Units | Limit | Recovery % | RPD Limit | RPD % | Notes* |
|-----------------------------------|---------------|-------------|--------------------------------|-----------|---|--------|------------|-----------|-------|--------|
| Batch: 0C12002 | | | Date Prepared: 3/12/00 | | Extraction Method: EPA 5030B [P/T] | | | | | |
| Blank | | | 0C12002-BLK1 | | | | | | | |
| Purgeable Hydrocarbons | 3/12/00 | | | ND | ug/l | 50.0 | | | | |
| Benzene | " | | | ND | " | 0.500 | | | | |
| Toluene | " | | | ND | " | 0.500 | | | | |
| Ethylbenzene | " | | | ND | " | 0.500 | | | | |
| Xylenes (total) | " | | | ND | " | 0.500 | | | | |
| Methyl tert-butyl ether | " | | | ND | " | 2.50 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.78 | " | 70-130 | 97.8 | | | |
| LCS | | | 0C12002-BS1 | | | | | | | |
| Purgeable Hydrocarbons | 3/12/00 | 250 | | 222 | ug/l | 70-130 | 88.8 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.45 | " | 70-130 | 94.5 | | | |
| Matrix Spike | | | 0C12002-MS1 MJC0068-04 | | | | | | | |
| Purgeable Hydrocarbons | 3/12/00 | 250 | ND | 235 | ug/l | 60-140 | 94.0 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 7.59 | " | 70-130 | 75.9 | | | |
| Matrix Spike Dup | | | 0C12002-MSD1 MJC0068-04 | | | | | | | |
| Purgeable Hydrocarbons | 3/12/00 | 250 | ND | 251 | ug/l | 60-140 | 100 | 25 | 6.58 | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.69 | " | 70-130 | 96.9 | | | |
| Batch: 0C15003 | | | Date Prepared: 3/15/00 | | Extraction Method: EPA 5030B [P/T] | | | | | |
| Blank | | | 0C15003-BLK1 | | | | | | | |
| Purgeable Hydrocarbons | 3/15/00 | | | ND | ug/l | 50.0 | | | | |
| Benzene | " | | | ND | " | 0.500 | | | | |
| Toluene | " | | | ND | " | 0.500 | | | | |
| Ethylbenzene | " | | | ND | " | 0.500 | | | | |
| Xylenes (total) | " | | | ND | " | 0.500 | | | | |
| Methyl tert-butyl ether | " | | | ND | " | 2.50 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 8.78 | " | 70-130 | 87.8 | | | |
| LCS | | | 0C15003-BS1 | | | | | | | |
| Benzene | 3/15/00 | 10.0 | | 8.41 | ug/l | 70-130 | 84.1 | | | |
| Toluene | " | 10.0 | | 7.97 | " | 70-130 | 79.7 | | | |
| Ethylbenzene | " | 10.0 | | 8.43 | " | 70-130 | 84.3 | | | |
| Xylenes (total) | " | 30.0 | | 25.0 | " | 70-130 | 83.3 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.36 | " | 70-130 | 93.6 | | | |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill**

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|---|---------------|---------------------|-------------------|-----------|-------|----------------------------------|-------------|--------------|----------|--------|
| Matrix Spike | | 0C15003-MS1 | MJC0068-03 | | | | | | | |
| Benzene | 3/15/00 | 10.0 | ND | 8.40 | ug/l | 60-140 | 84.0 | | | |
| Toluene | " | 10.0 | ND | 7.84 | " | 60-140 | 78.4 | | | |
| Ethylbenzene | " | 10.0 | ND | 8.38 | " | 60-140 | 83.8 | | | |
| Xylenes (total) | " | 30.0 | ND | 25.2 | " | 60-140 | 84.0 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | " | 10.0 | | 9.69 | " | 70-130 | 96.9 | | | |
| Matrix Spike Dup | | 0C15003-MSD1 | MJC0068-03 | | | | | | | |
| Benzene | 3/15/00 | 10.0 | ND | 8.06 | ug/l | 60-140 | 80.6 | 25 | 4.13 | |
| Toluene | " | 10.0 | ND | 7.43 | " | 60-140 | 74.3 | 25 | 5.37 | |
| Ethylbenzene | " | 10.0 | ND | 7.88 | " | 60-140 | 78.8 | 25 | 6.15 | |
| Xylenes (total) | " | 30.0 | ND | 23.6 | " | 60-140 | 78.7 | 25 | 6.56 | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | " | 10.0 | | 9.06 | " | 70-130 | 90.6 | | | |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
|---|--|--|

**Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Morgan Hill**

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Reporting Limit Units | Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|---------|---------------|-------------|---------------|-----------|-----------------------|---------------|----------|-----------|-------|--------|
|---------|---------------|-------------|---------------|-----------|-----------------------|---------------|----------|-----------|-------|--------|

Batch: 0C01010

Date Prepared: 3/1/00

Extraction Method: EPA 5030B (P/T)

Blank

0C01010-BLK1

| | | | | | | | | | | |
|---------------------------------|--------|------|--|------|------|--------|-----|--|--|--|
| Bromodichloromethane | 3/3/00 | | | ND | ug/l | 0.500 | | | | |
| Bromoform | " | | | ND | " | 0.500 | | | | |
| Bromomethane | " | | | ND | " | 0.500 | | | | |
| Carbon tetrachloride | " | | | ND | " | 0.500 | | | | |
| Chlorobenzene | " | | | ND | " | 0.500 | | | | |
| Chloroethane | " | | | ND | " | 0.500 | | | | |
| Chloroform | " | | | ND | " | 0.500 | | | | |
| Chloromethane | " | | | ND | " | 0.500 | | | | |
| Dibromochloromethane | " | | | ND | " | 0.500 | | | | |
| 1,3-Dichlorobenzene | " | | | ND | " | 0.500 | | | | |
| 1,4-Dichlorobenzene | " | | | ND | " | 0.500 | | | | |
| 1,2-Dichlorobenzene | " | | | ND | " | 0.500 | | | | |
| 1,1-Dichloroethane | " | | | ND | " | 0.500 | | | | |
| 1,2-Dichloroethane | " | | | ND | " | 0.500 | | | | |
| 1,1-Dichloroethene | " | | | ND | " | 0.500 | | | | |
| cis-1,2-Dichloroethene | " | | | ND | " | 0.500 | | | | |
| trans-1,2-Dichloroethene | " | | | ND | " | 0.500 | | | | |
| 1,2-Dichloropropane | " | | | ND | " | 0.500 | | | | |
| cis-1,3-Dichloropropene | " | | | ND | " | 0.500 | | | | |
| trans-1,3-Dichloropropene | " | | | ND | " | 0.500 | | | | |
| Methylene chloride | " | | | ND | " | 5.00 | | | | |
| 1,1,2,2-Tetrachloroethane | " | | | ND | " | 0.500 | | | | |
| Tetrachloroethene | " | | | ND | " | 0.500 | | | | |
| 1,1,1-Trichloroethane | " | | | ND | " | 0.500 | | | | |
| 1,1,2-Trichloroethane | " | | | ND | " | 0.500 | | | | |
| 1,1,2-Trichlorotrifluoroethane | " | | | ND | " | 0.500 | | | | |
| Trichloroethene | " | | | ND | " | 0.500 | | | | |
| Trichlorofluoromethane | " | | | ND | " | 0.500 | | | | |
| Vinyl chloride | " | | | ND | " | 0.500 | | | | |
| 1,2-Dibromoethane | " | | | ND | " | 0.500 | | | | |
| Surrogate: 4-Bromofluorobenzene | " | 10.0 | | 10.4 | " | 70-130 | 104 | | | |

Blank

0C01010-BLK2

| | | | | | | | | | | |
|----------------------|--------|--|--|----|------|-------|--|--|--|--|
| Bromodichloromethane | 3/6/00 | | | ND | ug/l | 0.500 | | | | |
| Bromoform | " | | | ND | " | 0.500 | | | | |
| Bromomethane | " | | | ND | " | 0.500 | | | | |
| Carbon tetrachloride | " | | | ND | " | 0.500 | | | | |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
|---|--|--|

Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Morgan Hill

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|---------------------------------|---------------|---------------------|---------------|-----------|-------|-------------------------------|----------|-----------|-------|--------|
| Blank (continued) | | 0C01010-BLK2 | | | | | | | | |
| Chlorobenzene | 3/6/00 | | | ND | ug/l | 0.500 | | | | |
| Chloroethane | " | | | ND | " | 0.500 | | | | |
| Chloroform | " | | | ND | " | 0.500 | | | | |
| Chloromethane | " | | | ND | " | 0.500 | | | | |
| Dibromochloromethane | " | | | ND | " | 0.500 | | | | |
| 1,3-Dichlorobenzene | " | | | ND | " | 0.500 | | | | |
| 1,4-Dichlorobenzene | " | | | ND | " | 0.500 | | | | |
| 1,2-Dichlorobenzene | " | | | ND | " | 0.500 | | | | |
| 1,1-Dichloroethane | " | | | ND | " | 0.500 | | | | |
| 1,2-Dichloroethane | " | | | ND | " | 0.500 | | | | |
| 1,1-Dichloroethene | " | | | ND | " | 0.500 | | | | |
| cis-1,2-Dichloroethene | " | | | ND | " | 0.500 | | | | |
| trans-1,2-Dichloroethene | " | | | ND | " | 0.500 | | | | |
| 1,2-Dichloropropane | " | | | ND | " | 0.500 | | | | |
| cis-1,3-Dichloropropene | " | | | ND | " | 0.500 | | | | |
| trans-1,3-Dichloropropene | " | | | ND | " | 0.500 | | | | |
| Methylene chloride | " | | | ND | " | 5.00 | | | | |
| 1,1,2,2-Tetrachloroethane | " | | | ND | " | 0.500 | | | | |
| Tetrachloroethene | " | | | ND | " | 0.500 | | | | |
| 1,1,1-Trichloroethane | " | | | ND | " | 0.500 | | | | |
| 1,1,2-Trichloroethane | " | | | ND | " | 0.500 | | | | |
| 1,1,2-Trichlorotrifluoroethane | " | | | ND | " | 0.500 | | | | |
| Trichloroethene | " | | | ND | " | 0.500 | | | | |
| Trichlorofluoromethane | " | | | ND | " | 0.500 | | | | |
| Vinyl chloride | " | | | ND | " | 0.500 | | | | |
| 1,2-Dibromoethane | " | | | ND | " | 0.500 | | | | |
| Surrogate: 4-Bromofluorobenzene | " | 10.0 | | 8.49 | " | 70-130 | 84.9 | | | |
| LCS | | 0C01010-BS1 | | | | | | | | |
| Chlorobenzene | 3/3/00 | 25.0 | | 26.5 | ug/l | 70-130 | 106 | | | |
| 1,1-Dichloroethene | " | 25.0 | | 25.3 | " | 65-135 | 101 | | | |
| Trichloroethene | " | 25.0 | | 26.2 | " | 70-130 | 105 | | | |
| Surrogate: 4-Bromofluorobenzene | " | 10.0 | | 11.8 | " | 70-130 | 118 | | | |
| LCS | | 0C01010-BS2 | | | | | | | | |
| Chlorobenzene | 3/6/00 | 25.0 | | 19.3 | ug/l | 70-130 | 77.2 | | | |
| 1,1-Dichloroethene | " | 25.0 | | 18.3 | " | 65-135 | 73.2 | | | |
| Trichloroethene | " | 25.0 | | 19.8 | " | 70-130 | 79.2 | | | |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boo | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
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Volatile Organic Compounds by EPA Method 8010B/Quality Control
Sequoia Analytical - Morgan Hill

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|--|---------------|---------------------------------------|---------------|-----------|-------|----------------------------------|----------|-----------|-------|--------|
| <u>LCS (continued)</u> | | <u>0C01010-BS2</u> | | | | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 3/6/00 | 10.0 | | 9.49 | ug/l | 70-130 | 94.9 | | | |
| <u>Matrix Spike</u> | | <u>0C01010-MS1 MJC0046-01</u> | | | | | | | | |
| Chlorobenzene | 3/3/00 | 25.0 | ND | 24.1 | ug/l | 60-140 | 96.4 | | | |
| 1,1-Dichloroethene | " | 25.0 | ND | 24.2 | " | 60-140 | 96.8 | | | |
| Trichloroethene | " | 25.0 | ND | 24.4 | " | 60-140 | 97.6 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | " | 10.0 | | 10.5 | " | 70-130 | 105 | | | |
| <u>Matrix Spike Dup</u> | | <u>0C01010-MSD1 MJC0046-01</u> | | | | | | | | |
| Chlorobenzene | 3/3/00 | 25.0 | ND | 26.5 | ug/l | 60-140 | 106 | 25 | 9.49 | |
| 1,1-Dichloroethene | " | 25.0 | ND | 24.9 | " | 60-140 | 99.6 | 25 | 2.85 | |
| Trichloroethene | " | 25.0 | ND | 26.5 | " | 60-140 | 106 | 25 | 8.25 | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | " | 10.0 | | 10.8 | " | 70-130 | 108 | | | |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
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Diesel Hydrocarbons (C9-C24) by DHS LUFT/Quality Control
Sequoia Analytical - Walnut Creek

| Analyte | Date Analyzed | Spike Level | Sample Result | QC Result | Units | Reporting Limit Recov. Limits | Recov. % | RPD Limit | RPD % | Notes* |
|----------------------------------|---------------|-------------|-------------------------------|-----------|-------|-------------------------------------|----------|-----------|-------|--------|
| Batch: 0C15024 | | | Date Prepared: 3/15/00 | | | Extraction Method: EPA 3510B | | | | |
| Blank | | | 0C15024-BLK1 | | | | | | | |
| Diesel Range Hydrocarbons | 3/16/00 | | | ND | ug/l | 50 | | | | |
| Surrogate: <i>n</i> -Pentacosane | " | 33.3 | | 36.3 | " | 50-150 | 109 | | | |
| LCS | | | 0C15024-BS1 | | | | | | | |
| Diesel Range Hydrocarbons | 3/16/00 | 500 | | 350 | ug/l | 60-140 | 70.0 | | | |
| Surrogate: <i>n</i> -Pentacosane | " | 33.3 | | 43.0 | " | 50-150 | 129 | | | |
| LCS Dup | | | 0C15024-BSD1 | | | | | | | |
| Diesel Range Hydrocarbons | 3/16/00 | 500 | | 345 | ug/l | 60-140 | 69.0 | 50 | 1.44 | |
| Surrogate: <i>n</i> -Pentacosane | " | 33.3 | | 39.7 | " | 50-150 | 119 | | | |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 5910 MacArthur Blvd., Oak. Project Number: 9-9708 Project Manager: Scott Boor | Sampled: 3/1/00 Received: 3/2/00 Reported: 3/22/00 18:45 |
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Notes and Definitions

| # | Note |
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- D-07 Surrogate out of control limits because of peak coelution with the sample.
- D-12 Chromatogram Pattern: Unidentified Hydrocarbons > C16
- M-03 Sample was analyzed at a second dilution per clients request.
- 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
- Recov. Recovery
- RPD Relative Percent Difference



Fax copy of Lab Report and COC to Chevron Contact:

Yes
 No

Chain-of-Custody-Record

| | | |
|---|---|---|
| Chevron Products Co. P.O. BOX 6004 San Ramon, CA 94583 FAX (925)842-8370 | Chevron Facility Number <u>9-9708</u> | Chevron Contact Name) <u>Brett Hunter</u> |
| | Facility Address <u>5910 MacArthur Blvd., Oakland</u> | (Phone) <u>(925) 842-8695</u> |
| | Consultant Project Number <u>000301 C2</u> | Laboratory Name <u>Sequoia</u> |
| | Consultant Name <u>Blaine Tech Services, Inc.</u> | Laboratory Service Order <u>9144488</u> # 2 1 10 |
| | Address <u>1680 Rogers Ave., San Jose</u> | Laboratory Service Code <u>ZZ02790</u> |
| | Project Contact (Name) <u>Scott Boor</u> | Samples collected by (Name) <u>JEFF Smyly</u> |
| | (Phone) <u>408-573-0555</u> (Fax) <u>408-573-7771</u> | Signature <u>[Signature]</u> |

| Sample Number | Number of Containers | Matrix S = Soil W = Water A = Air C = Charcoal | Sample Preservation | Date/Time | State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT | | | | | | | | | | | | | | Remarks | | |
|--|----------------------|--|--------------------------------|--|--|------------------------------|-------------------------------|-------------------|---|---------------------------|-----------------------------|-----------------------|--|-------------|------------------------|------------|------------------|----------------|---------|---|---|
| | | | | | BTEX/MTBE + TPH GAS (8020 + 8015) | BTEX + TPH GAS (8020 + 8015) | TPH Diesel (8015) | Oxygenates (5260) | Purgeable Halocarbons (8010) | Purgeable Organics (8270) | Extractable Organics (8270) | Oil and Grease (5520) | Metals (ICAP or AA) Cd, Cr, Pb, Zn, Ni | BTEX (8020) | BTEX/MTBE/Naph. (8020) | TPH - HClD | TPH - D Extended | Lab Sample No. | | | |
| ✓ MW1 | 3 | W | | 3/10/11 1115 | X | | | | | | | | | | | | | | | 1 | |
| ✓ MW2 | 3 | | | 1135 | X | | | | | | | | | | | | | | | | 2 |
| ✓ MW3 | 8 | | | 1200 | X | | X | | X | | | | | | | | | | | | 3 |
| ✓ MW4 | 3 | | | 1050 | X | | | | | | | | | | | | | | | | 4 |
| ✓ TB | 2 | | | | X | | | | | | | | | | | | | | | | 5 |
| MTC 0068 | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By (Signature) <u>[Signature]</u> | | Organization <u>BTS</u> | Date/Time <u>3/20/12 12:45</u> | Received By (Signature) <u>[Signature]</u> | | Organization | Date/Time <u>3-2-12 12:43</u> | Iced Y/N | Turn Around Time (Circle One) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted | | | | | | | | | | | | |
| Relinquished By (Signature) <u>[Signature]</u> | | Organization | Date/Time | Received By (Signature) <u>[Signature]</u> | | Organization | Date/Time <u>3/2/12 13:18</u> | Iced Y/N | | | | | | | | | | | | | |
| Relinquished By (Signature) | | Organization | Date/Time | Received For Laboratory By (Signature) | | | Date/Time | Iced Y/N | | | | | | | | | | | | | |

Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

| | |
|--------------------------|-----------------------------------|
| Project #: 000301C2 | Station #: 9-9708 |
| Sampler: Jeff | Date: 3/1/00 |
| Well I.D.: MW-1 | Well Diameter: ② 3 4 6 8 |
| Total Well Depth: 20.07 | Depth to Water: 11.15 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: PVC Grade | D.O. Meter (if req'd): YSI HACH |

Purge Method: Bailer Waterra
 Disposable Bailer Peristaltic
 Middleburg Extraction Pump
 Electric Submersible Other _____

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

| | | | | | |
|---------------|-----------|-------------------|---|-------------------|-------|
| 1.4 | (Gals.) X | _____ | = | 4.3 | Gals. |
| 1 Case Volume | | Specified Volumes | | Calculated Volume | |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius ² * 0.163 |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|------|-----------|-----|-------|---------------|--------------|
| 1100 | 64.9 | 6.6 | 1066 | 1.5 | |
| 1105 | 65.2 | 6.7 | 1099 | 3.0 | |
| 1110 | 65.2 | 6.7 | 1104 | 4.5 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 5

Sampling Time: 1115 Sampling Date: 3/1/00

Sample I.D.: MW-1 Laboratory: STL Sequoia Other

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ _____ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

| | | | | |
|--------------------|------------|------|-------------|------|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |

CHEVRON WELL MONITORING DATA SHEET

| | |
|---------------------------------|-----------------------------------|
| Project #: <u>000301C2</u> | Station #: <u>9-9708</u> |
| Sampler: <u>Jeff</u> | Date: <u>3/1/00</u> |
| Well I.D.: <u>MW-2</u> | Well Diameter: <u>(2)</u> 3 4 6 8 |
| Total Well Depth: <u>19.98</u> | Depth to Water: <u>12.60</u> |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>PVO</u> Grade | D.O. Meter (if req'd): YSI HACH |

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

| | | | | | |
|-------------|-----------|-------------------|---|-------------------|-------|
| <u>1.2</u> | (Gals.) X | <u>3</u> | = | <u>3.5</u> | Gals. |
| Case Volume | | Specified Volumes | | Calculated Volume | |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius ² * 0.163 |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|-------------|-------------|------------|------------|---------------|--------------|
| <u>1120</u> | <u>61.4</u> | <u>7.2</u> | <u>370</u> | <u>1</u> | |
| <u>1125</u> | <u>60.2</u> | <u>7.0</u> | <u>339</u> | <u>2</u> | |
| <u>1130</u> | <u>60.0</u> | <u>6.9</u> | <u>339</u> | <u>3.5</u> | |
| | | | | | |
| | | | | | |

| | |
|---|---|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Gallons actually evacuated: <u>4</u> |
| Sampling Time: <u>1135</u> | Sampling Date: <u>3/1/00</u> |
| Sample I.D.: <u>MW-2</u> | Laboratory: STL <input checked="" type="checkbox"/> Other |
| Analyzed for: <u>TPH-G BTEX MTBE</u> TPH-D Other: | |
| EB I.D. (if applicable): @ _____ Time | Duplicate I.D. (if applicable): |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: | |
| D.O. (if req'd): | Pre-purge: <u>mg/L</u> Post-purge: <u>mg/L</u> |
| O.R.P. (if req'd): | Pre-purge: <u>mV</u> Post-purge: <u>mV</u> |

CHEVRON WELL MONITORING DATA SHEET

| | |
|---------------------------------|-----------------------------------|
| Project #: 000301C2 | Station #: 9-9708 |
| Sampler: Jeff | Date: 3/1/00 |
| Well I.D.: mw-3 | Well Diameter: <u>2</u> 3 4 6 8 |
| Total Well Depth: 19.95 | Depth to Water: 10.70 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>PVC</u> Grade | D.O. Meter (if req'd): YSI HACH |

Purge Method:

Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Waterra
 Peristaltic
 Extraction Pump
 Other: _____

Sampling Method:

Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

| | | | | | |
|---------------|-----------|-------------------|---|-------------------|-------|
| 1.5 | (Gals.) X | 3 | = | 4.4 | Gals. |
| 1 Case Volume | | Specified Volumes | | Calculated Volume | |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius ² * 0.163 |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|------|-----------|-----|-------|---------------|--------------|
| 1145 | 68.3 | 6.6 | 1010 | 1.5 | |
| 1150 | 68.1 | 6.5 | 1045 | 3.0 | |
| 1155 | 68.0 | 6.5 | 1057 | 4.5 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 5

Sampling Time: 1200 Sampling Date: 3/1/00

Sample I.D.: mw-3 Laboratory: STL Sequoia Other

Analyzed for: TPH-G BTEX MTBE TPH-D Other: EPA 8010

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

| | | | | |
|------------------|------------|------|-------------|------|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
|------------------|------------|------|-------------|------|

| | | | | |
|--------------------|------------|----|-------------|----|
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |
|--------------------|------------|----|-------------|----|

CHEVRON WELL MONITORING DATA SHEET

| | |
|---------------------------------|-----------------------------------|
| Project #: <u>000301C2</u> | Station #: <u>G-9708</u> |
| Sampler: <u>Jeff</u> | Date: <u>3/1/00</u> |
| Well I.D.: <u>MW-4</u> | Well Diameter: <u>2</u> 3 4 6 8 |
| Total Well Depth: <u>19.35</u> | Depth to Water: <u>11.70</u> |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>PVO</u> Grade | D.O. Meter (if req'd): YSI HACH |

Purge Method:

- Bailer
- Disposible Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposible Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

| | | | |
|----------------------|-------------------|---|-------------------|
| <u>1.2</u> (Gals.) X | <u>3</u> | = | <u>3.7</u> Gals. |
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius ² * 0.163 |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|------|-----------|-----|-------|---------------|--------------|
| 1035 | 62.1 | 7.3 | 340 | 1 | |
| 1040 | 61.1 | 6.9 | 334 | 25 | |
| 1045 | 60.6 | 6.8 | 331 | 4 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Time: MW 4 - 1050 Sampling Date: 3/1/00

Sample I.D.: MW-4 Laboratory: STL Seq/ia Other

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

| | | | | |
|--------------------|------------|------|-------------|------|
| D.O. (if req'd): | Pre-purge: | mg/L | Post-purge: | mg/L |
| O.R.P. (if req'd): | Pre-purge: | mV | Post-purge: | mV |