

ENVIRONMENTAL
PROTECTION

00 JAN -6 PM 4:07



Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd. Bldg. L
P. O. Box 6004
San Ramon, CA 94583-0604

Site Assessment and
Remediation Group
Phone (510) 842-9500
Fax (510) 842-8370

Date: December 27, 1999
To: Distribution
Re: Groundwater Monitoring Report, 9-0329

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) 842-8695.

Sincerely,

A handwritten signature in cursive script that reads "Brett L. Hunter".

Brett Hunter
Site Assessment and Remediation
Project Manager

BLAINE
TECH SERVICES INC.



1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0556 PHONE

December 27, 1999

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

4th Quarter 1999 Monitoring at 9-0329

Fourth Quarter 1999 Groundwater Monitoring at
Chevron Service Station Number 9-0329
340 Highland Ave.
Piedmont, CA

Monitoring Performed on October 27, 1999

Groundwater Sampling Report 991027-D-1

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,



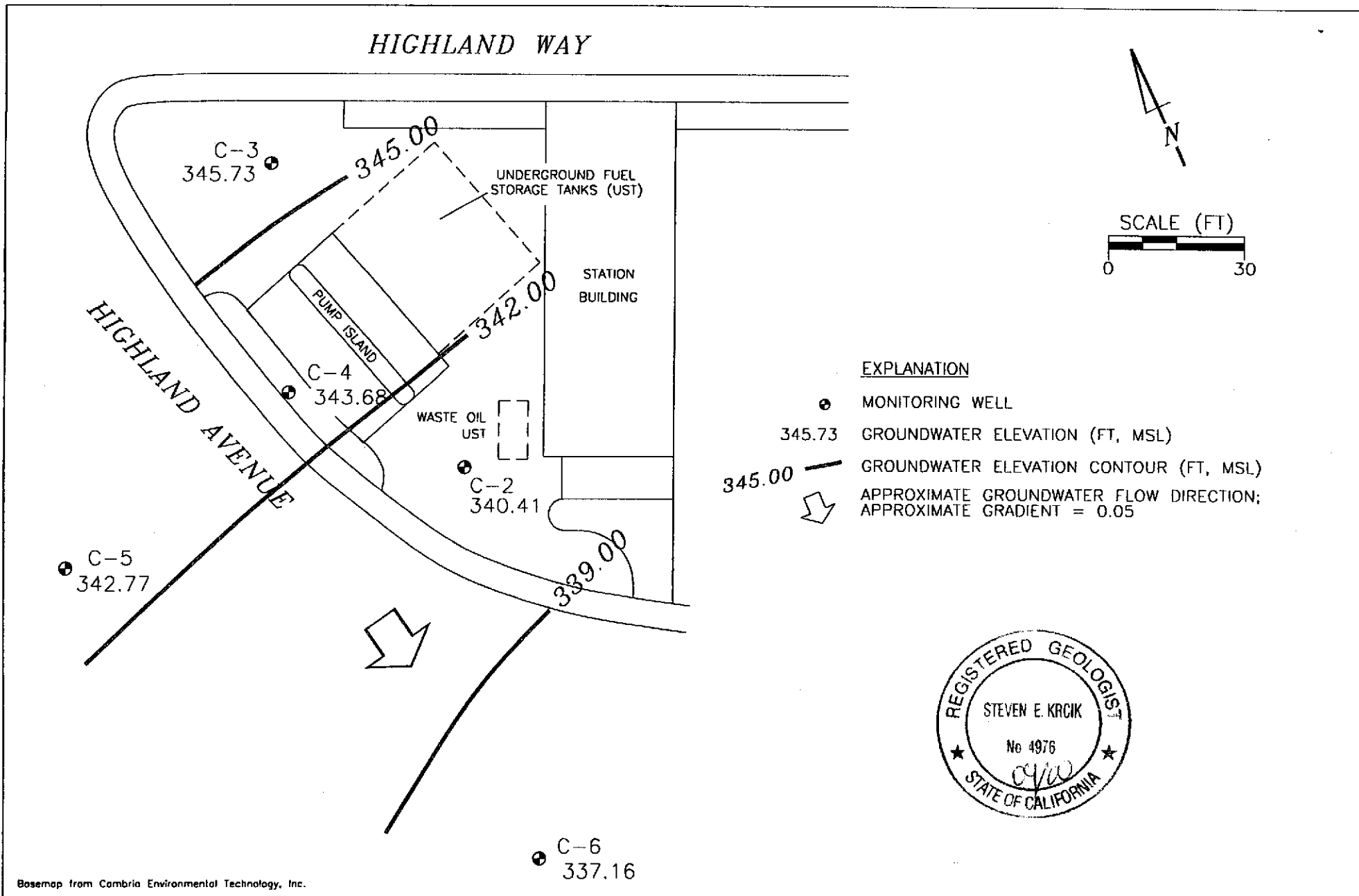
Scott Boor
Project Coordinator

SDB/jbt

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

cc: Scott Seery, Alameda County Health Care Services
Chuck Headlee, RWQCB-S.F. Bay Region
Frank Hoffman, Hoffman Investment Company
Mir Ghafari & Fred Manoucheri, Service Station
Suzanne McClurkin-Nelson, Pacific Environmental Group/ IT Corp.
Greg Gurss, Gettler-Ryan, Inc.
Anne Payne, Chevron (w/o enclosure)
Bette Owen, Chevron (w/o enclosure)

Professional Engineering Appendix



Basemap from Cambria Environmental Technology, Inc.

PREPARED BY

RRM
engineering contracting firm

Chevron Station 9-0329
340 Highland Avenue
Piedmont, California

GROUNDWATER ELEVATION CONTOUR MAP,
OCTOBER 27, 1999

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 |
|------------|-----------------|--------------------|----------------|------------------|--------------|---------|---------|---------------|--------|---------|
| C-2 | | | | | | | | | | |
| 08/07/89 | 94.19 | 91.33 | 2.88 | -- | 34,000 | 580 | 60 | 170 | 270 | -- |
| 11/15/89 | 94.19 | 91.39 | 2.80 | -- | 8100 | 500 | 36 | 420 | 180 | -- |
| 02/01/91 | 94.19 | 90.41 | 3.75 | -- | 6800 | 490 | 21 | 310 | 86 | -- |
| 04/16/91 | 94.19 | 91.64 | 2.55 | -- | 9600 | 810 | 43 | 550 | 270 | -- |
| 10/16/91 | 94.19 | 90.67 | 3.52 | -- | 7100 | 320 | 23 | 200 | 60 | -- |
| 01/08/92 | 94.19 | 90.04 | 4.15 | -- | 2400 | 190 | 9.0 | 83 | 22 | -- |
| 04/10/92 | 94.19 | 91.23 | 2.96 | -- | 6600 | 550 | 33 | 340 | 170 | -- |
| 07/14/92 | 94.19 | 91.36 | 2.83 | -- | 9000 | 680 | 330 | 580 | 690 | -- |
| 10/05/92 | 94.19 | 89.81 | 4.38 | -- | 5500 | 250 | 17 | 130 | 82 | -- |
| 01/06/93 | 94.19 | 90.25 | 3.94 | -- | 5500 | 190 | 32 | 41 | 54 | -- |
| 03/29/93 | 94.19 | 92.10 | 2.09 | -- | 19,000 | 670 | 40 | 180 | 370 | -- |
| 07/02/93 | 94.19 | 92.10 | 2.09 | -- | 8000 | 1100 | 41 | 420 | 500 | -- |
| 10/11/93 | 94.19 | 91.43 | 2.76 | -- | 42,000 | 940 | 34 | 140 | 87 | -- |
| 01/10/94 | 94.19 | 89.37 | 4.82 | -- | 12,000 | 770 | 20 | 220 | 74 | -- |
| 04/06/94 | 94.19 | 91.70 | 2.49 | -- | 40,000 | 820 | 33 | 190 | 110 | -- |
| 07/06/94 | 94.19 | 91.72 | 2.47 | -- | 8800 | 870 | 28 | 140 | 95 | -- |
| 11/11/94 | 94.19 | 91.32 | 2.87 | -- | 8600 | 460 | 81 | 180 | 120 | -- |
| 01/06/95 | 94.19 | 91.64 | 2.55 | -- | 15,000 | 880 | 48 | 270 | 140 | -- |
| 04/13/95 | 94.19 | 92.13 | 2.06 | -- | 56,000 | 2500 | 130 | 730 | 360 | -- |
| 07/25/95 | 94.19 | 92.05 | 2.14 | -- | 11,000 | 1000 | 34 | 540 | 160 | -- |
| 10/05/95 | 94.19 | 91.68 | 2.51 | -- | 13,000 | 1000 | <20 | 160 | 170 | -- |
| 01/02/96 | 94.19 | 91.97 | 2.22 | -- | 9500 | 1300 | <50 | 380 | 87 | 64,000 |
| 04/11/96 | 94.19 | 92.27 | 1.92 | -- | <10,000 | 1300 | <100 | <100 | <100 | 74,000 |
| 07/08/96 | 94.19 | 92.14 | 2.05 | -- | <20,000 | 1200 | <200 | <200 | <200 | 110,000 |
| 10/03/96 | 94.19 | 91.90 | 2.29 | -- | <25,000 | 1200 | <250 | <250 | <250 | 140,000 |
| 01/23/97 | 343.39 | 341.49 | 1.90 | -- | 20,000 | 1100 | <200 | 460 | <200 | 110,000 |
| 02/14/97 | 343.39 | 341.42 | 1.97 | Confirmation run | -- | -- | -- | -- | -- | 150,000 |
| 04/08/97 | 343.39 | 341.12 | 2.27 | -- | <50,000 | 1100 | <500 | <500 | <500 | 160,000 |
| 07/09/97 | 343.39 | 341.41 | 1.98 | -- | <50,000 | 1300 | <500 | <500 | <500 | 210,000 |
| 10/08/97 | 343.39 | 341.09 | 2.30 | -- | 18,000 | 1400 | <50 | 300 | 95 | 160,000 |
| 01/22/98 | 343.39 | 341.71 | 1.68 | -- | 10,000 | 860 | 10 | 140 | 37 | 70,000 |
| 04/15/98 | 343.39 | 342.19 | 1.20 | -- | <10,000 | 1400 | <100 | 510 | <100 | 46,000 |
| 07/09/98 | 343.39 | 341.92 | 1.47 | -- | 33,000 | 1700 | <50 | 650 | <50 | 120,000 |
| 10/02/98 | 343.39 | 341.26 | 2.13 | -- | 11,000 | 920 | 11 | 130 | 76 | 100,000 |

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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 |
|---------------------|-----------------|--------------------|----------------|------------------|--------------|---------|---------|---------------|--------|--------|
| C-2 (CONT'D) | | | | | | | | | | |
| 01/18/99 | 343.39 | 341.55 | 1.84 | -- | <25,000 | 1770 | <250 | <250 | <250 | 48,400 |
| 01/18/99 | 343.39 | 341.55 | 1.84 | Confirmation run | -- | -- | -- | -- | -- | 78,300 |
| 04/19/99 | 343.39 | 342.22 | 1.17 | -- | 9900 | 1110 | 26.6 | 455 | 82 | 33,300 |
| 09/28/99 | 343.39 | 340.58 | 2.81 | -- | 11,500 | 1100 | <50 | 93.9 | 53.1 | 26,200 |
| 10/27/99 | 343.39 | 340.41 | 2.98 | -- | 9440 | 711 | <20 | 74.9 | 42.4 | 17,500 |

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 |
|------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|------|
| C-3 | | | | | | | | | | |
| 08/07/89 | 97.65 | 93.36 | 4.29 | -- | <50 | <0.5 | <1.0 | <1.0 | <3.0 | -- |
| 11/15/89 | 97.65 | 92.48 | 5.17 | -- | <500 | <0.5 | 2.8 | <0.5 | 1.1 | -- |
| 02/01/91 | 97.65 | 91.27 | 6.38 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/16/91 | 97.65 | 93.93 | 3.72 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/16/91 | 97.65 | 89.45 | 8.20 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/08/92 | 97.65 | 90.97 | 6.68 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/10/92 | 97.65 | 93.15 | 4.50 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/14/92 | 97.65 | 91.44 | 6.21 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/05/92 | 97.65 | 88.34 | 9.31 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/06/93 | 97.65 | 94.24 | 3.41 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/29/93 | 97.65 | 97.15 | 0.50 | -- | <50 | <0.5 | <0.5 | <0.5 | 0.8 | -- |
| 07/02/93 | 97.65 | 95.06 | 2.59 | -- | <50 | 4.0 | 3.0 | <0.5 | 3.0 | -- |
| 10/11/93 | 97.65 | 92.75 | 4.90 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/10/94 | 97.65 | 93.26 | 4.39 | -- | <50 | <0.5 | 1.0 | <0.5 | 0.8 | -- |
| 04/06/94 | 97.65 | 94.97 | 2.68 | -- | <50 | <0.5 | 1.0 | 0.7 | 4.5 | -- |
| 07/06/94 | 97.65 | 95.55 | 2.10 | -- | <50 | 2.2 | 4.1 | <0.5 | 2.8 | -- |
| 11/11/94 | 97.65 | 96.42 | 1.23 | -- | <50 | <0.5 | 0.8 | <0.5 | <0.5 | -- |
| 01/06/95 | 97.65 | 97.05 | 0.60 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/13/95 | 97.65 | 97.05 | 0.60 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/25/95 | 97.65 | 96.00 | 1.65 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/05/95 | 97.65 | 94.02 | 3.63 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/02/96 | 97.65 | 94.53 | 3.12 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/11/96 | 97.65 | 96.83 | 0.82 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 07/08/96 | 97.65 | 96.15 | 1.50 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/03/96 | 97.65 | 95.17 | 2.48 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 01/23/97 | 347.08 | 346.87 | 0.21 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 3.2 |
| 04/08/97 | 347.08 | 346.33 | 0.75 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 07/09/97 | 347.08 | 345.61 | 1.47 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/08/97 | 347.08 | 345.04 | 2.04 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |

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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 |
|---------------------|-----------------|--------------------|----------------|---------|--------------|---------|---------|---------------|--------|------|
| C-3 (CONT'D) | | | | | | | | | | |
| 01/22/98 | 347.08 | 347.08 | 0.00 | Flooded | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 40 |
| 04/15/98 | 347.08 | 347.08 | 0.00 | Flooded | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 05/13/98 | 347.20* | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/09/98 | 347.20 | 346.73 | 0.47 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/02/98 | 347.20 | 346.22 | 0.98 | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | <2.5 |
| 01/18/99 | 347.20 | 346.43 | 0.77 | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | <2.0 |
| 04/19/99 | 347.20 | 346.67 | 0.53 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 07/19/99 | 347.20 | 346.39 | 0.81 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 10/27/99 | 347.20 | 345.73 | 1.47 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |

* Well head elevation adjusted due to broken top of casing.

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 |
|------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|------|
| C-4 | | | | | | | | | | |
| 08/07/89 | 95.60 | -- | -- | Dry | -- | -- | -- | -- | -- | -- |
| 11/15/89 | 95.60 | 90.65 | 4.95 | -- | 1300 | 2.9 | 310 | 0.5 | 2.9 | -- |
| 02/01/91 | 95.60 | 90.82 | 4.78 | -- | 72 | <0.5 | 9.0 | <0.5 | <0.5 | -- |
| 04/16/91 | 95.60 | 95.60 | 4.83 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/16/91 | 95.60 | 91.37 | 4.23 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/08/92 | 95.60 | 90.79 | 4.81 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/10/92 | 95.60 | 91.34 | 4.26 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/14/92 | 95.60 | 91.32 | 4.28 | -- | <50 | <0.5 | 3.8 | <0.5 | <0.5 | -- |
| 10/05/92 | 95.60 | 91.31 | 4.29 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/06/93 | 95.60 | 91.31 | 4.29 | -- | <50 | 0.7 | <0.5 | <0.5 | <0.5 | -- |
| 03/29/93 | 95.60 | 91.30 | 4.30 | -- | <50 | 0.5 | 1.0 | <0.5 | 2.0 | -- |
| 07/02/93 | 95.60 | 91.38 | 4.22 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/11/93 | 95.60 | 91.30 | 4.30 | -- | <50 | 0.6 | <0.5 | <0.5 | <0.5 | -- |
| 01/10/94 | 95.60 | 91.16 | 4.44 | -- | <50 | 0.7 | 3.0 | <0.5 | 1.0 | -- |
| 04/06/94 | 95.60 | 91.36 | 4.24 | -- | 130 | 2.2 | 5.4 | 3.3 | 24 | -- |
| 07/06/94 | 95.60 | 91.36 | 4.24 | -- | 99 | 5.9 | 7.5 | 2.0 | 12 | -- |
| 11/11/94 | 95.60 | 91.39 | 4.21 | -- | <50 | <0.5 | 9.5 | <0.5 | <0.5 | -- |
| 01/06/95 | 95.60 | 91.18 | 4.42 | -- | <50 | 0.7 | 1.0 | <0.5 | 1.1 | -- |
| 04/13/95 | 95.60 | 91.36 | 4.24 | -- | 67 | 0.54 | 7.2 | <0.5 | 1.1 | -- |
| 07/25/95 | 95.60 | 91.36 | 4.24 | -- | 390 | <2.0 | 150 | <2.0 | <2.0 | -- |
| 10/05/95 | 95.60 | 91.22 | 4.38 | -- | 130 | <0.5 | 66 | <0.5 | <0.5 | -- |
| 01/02/96 | 95.60 | 91.34 | 4.26 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 34 |
| 04/11/96 | 95.60 | 91.21 | 4.39 | -- | <50 | <0.5 | 0.93 | <0.5 | <0.5 | 56 |
| 07/08/96 | 95.60 | 91.32 | 4.28 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 21 |
| 10/03/96 | 95.60 | 91.38 | 4.22 | -- | 80 | <0.5 | 31 | <0.5 | <0.5 | 9.9 |
| 01/23/97 | 344.94 | 340.55 | 4.39 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 23 |
| 04/08/97 | 344.94 | 340.69 | 4.25 | -- | 87 | <0.5 | 3.6 | <0.5 | 1.7 | 7.0 |
| 07/09/97 | 344.94 | 340.73 | 4.21 | -- | 93 | <0.5 | 32 | <0.5 | <0.5 | 26 |
| 10/08/97 | 344.94 | 340.60 | 4.34 | -- | <50 | <0.5 | 0.63 | <0.5 | <0.5 | 12 |

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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 |
|---------------------|-----------------|--------------------|----------------|--------------------|--------------|---------|---------|---------------|--------|--------|
| C-4 (CONT'D) | | | | | | | | | | |
| 01/22/98 | 344.94 | 340.68 | 4.26 | -- | <50 | <0.5 | 4.3 | <0.5 | <0.5 | 10 |
| 04/15/98 | 344.94 | 343.93 | 1.01 | Sampled biannually | -- | -- | -- | -- | -- | -- |
| 07/09/98 | 344.94 | 340.69 | 4.25 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 37 |
| 10/02/98 | 344.94 | 340.59 | 4.35 | -- | -- | -- | -- | -- | -- | -- |
| 01/18/99 | 344.94 | 340.73 | 4.21 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 25.4 |
| 04/19/99 | 344.94 | 342.63 | 2.31 | -- | -- | -- | -- | -- | -- | -- |
| 07/19/99 | 344.94 | 343.41 | 1.53 | * | 10,000 | 1160 | 23 | 178 | 50.4 | 45,600 |
| 09/28/99 | 344.94 | 340.24 | 4.70 | -- | <50 | <0.5 | 0.919 | <0.5 | <0.5 | <2.5 |
| 10/27/99 | 344.94 | 343.68 | 1.26 | -- | -- | -- | -- | -- | -- | -- |

* Anomalous results: Results for this sample are likely the result of a mislabeling of sample containers; results most closely resemble those of well C-2.

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 |
|------------|-----------------|--------------------|----------------|------------------|--------------|---------|---------|---------------|--------|------|
| C-5 | | | | | | | | | | |
| 11/25/96 | -- | -- | 3.30 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 01/23/97 | 345.14 | 343.69 | 1.45 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/08/97 | 345.14 | 342.82 | 2.32 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 07/09/97 | 345.14 | 342.84 | 2.30 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/08/97 | 345.14 | 342.14 | 3.00 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 01/22/98 | 345.14 | 344.14 | 1.00 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/15/98 | 345.14 | 341.89 | 3.25 | Sampled annually | -- | -- | -- | -- | -- | -- |
| 07/09/98 | 345.14 | 344.94 | 0.20 | -- | -- | -- | -- | -- | -- | -- |
| 10/02/98 | 345.14 | 342.82 | 2.32 | -- | -- | -- | -- | -- | -- | -- |
| 01/18/99 | 345.14 | 343.01 | 2.13 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 04/19/99 | 345.14 | 343.07 | 2.07 | -- | -- | -- | -- | -- | -- | -- |
| 07/19/99 | 345.14 | 342.72 | 2.42 | -- | -- | -- | -- | -- | -- | -- |
| 10/27/99 | 345.14 | 342.77 | 2.37 | -- | -- | -- | -- | -- | -- | -- |
| C-6 | | | | | | | | | | |
| 11/25/96 | -- | -- | 2.13 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 01/23/97 | 338.61 | -- | 0.00 | Flooded | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/08/97 | 338.61 | -- | 0.00 | Flooded | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 07/09/97 | 338.61 | 335.84 | 2.77 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/08/97 | 338.61 | 337.17 | 1.44 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 01/22/98 | 338.61 | 337.07 | 1.54 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/15/98 | 338.61 | 337.31 | 1.30 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 07/09/98 | 338.61 | 338.61 | 0.00 | Flooded | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/02/98 | 338.61 | 335.81 | 2.80 | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | <2.5 |
| 01/18/99 | 338.61 | 337.32 | 1.29 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 04/19/99 | 338.61 | 337.30 | 1.31 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 07/19/99 | 338.61 | 337.05 | 1.56 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 10/27/99 | 338.61 | 337.16 | 1.45 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |

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 |
|-------------------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|------|
| Backfill Well: A | | | | | | | | | | |
| 08/07/89 | -- | -- | 2.10 | -- | 1000 | 50 | 6.0 | 5.0 | 22 | -- |
| 11/15/89 | -- | -- | 2.04 | -- | 3700 | 98 | 2.1 | 4.3 | 55 | -- |
| 02/01/91 | -- | -- | 3.05 | -- | 36,000 | 1100 | 750 | 130 | 6100 | -- |
| 04/16/91 | -- | -- | 2.01 | -- | 8000 | 370 | 6.0 | 86 | 750 | -- |
| 10/16/91 | -- | -- | 4.15 | -- | -- | -- | -- | -- | -- | -- |
| Backfill Well: B | | | | | | | | | | |
| 08/07/89 | -- | -- | 4.12 | -- | -- | -- | -- | -- | -- | -- |
| 11/15/89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/01/91 | -- | -- | 5.03 | -- | -- | -- | -- | -- | -- | -- |
| 04/16/91 | -- | -- | 4.00 | -- | -- | -- | -- | -- | -- | -- |
| 10/16/91 | -- | -- | 6.24 | -- | -- | -- | -- | -- | -- | -- |

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 |
|-------------------|-----------------|--------------------|----------------|-------|--------------|---------|---------|---------------|--------|------|
| TRIP BLANK | | | | | | | | | | |
| 01/06/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/29/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | 1.0 | -- |
| 07/02/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/11/93 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/10/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/06/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/06/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 11/11/94 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/06/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/13/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/25/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/05/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/02/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/11/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 07/08/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/03/96 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/23/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/08/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 07/09/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/08/97 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 01/22/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 07/09/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 10/02/98 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 01/18/99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 |
| 04/19/99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 07/19/99 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 10/27/99 | -- | -- | -- | -- | <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 April 13, 1995.
 Earlier field data and analytical results provided by Sierra Environmental.
 Survey performed on March 20, 1997 by Ron Archer, Civil Engineer Inc.

ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons
 MTBE = Methyl t-butyl ether

Analytical Appendix



October 19, 1999

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

RE: Chevron 9-0329/M909985

Dear Scott Boor

Enclosed are the results of analyses for sample(s) received by the laboratory on September 29, 1999. 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 9-0329 (340 Highland Ave., Piedmont) Project Number: 990928-D3 Project Manager: Scott Boor | Sampled: 9/28/99 Received: 9/29/99 Reported: 10/19/99 |
|---|---|---|

ANALYTICAL REPORT FOR M909985

| Sample Description | Laboratory Sample Number | Sample Matrix | Date Sampled |
|--------------------|--------------------------|---------------|--------------|
| C-2 | M909985-01 | Water | 9/28/99 |
| C-4 | M909985-02 | Water | 9/28/99 |
| TB | M909985-03 | Water | 9/28/99 |





| | | |
|---|---|---|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 9-0329 (340 Highland Ave., Piedmont) Project Number: 990928-D3 Project Manager: Scott Boor | Sampled: 9/28/99 Received: 9/29/99 Reported: 10/19/99 |
|---|---|---|

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

| Analyte | Batch Number | Date Prepared | Date Analyzed | Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|-----------------------------------|--------------|---------------|---------------|--------------------------|-----------------|--------------|---------------------|--------|
| C-2 | | | | <u>M909985-01</u> | | | <u>Water</u> | |
| Purgeable Hydrocarbons | 9100162 | 10/7/99 | 10/7/99 | | 5000 | 11500 | ug/l | I,D |
| Benzene | " | " | " | | 50.0 | 1100 | " | D |
| Toluene | " | " | " | | 50.0 | ND | " | D |
| Ethylbenzene | " | " | " | | 50.0 | 93.9 | " | D |
| Xylenes (total) | " | " | " | | 50.0 | 53.1 | " | D |
| Methyl tert-butyl ether | " | " | " | | 250 | 26200 | " | D |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 95.5 | % | |
| C-4 | | | | <u>M909985-02</u> | | | <u>Water</u> | |
| Purgeable Hydrocarbons | 9100162 | 10/7/99 | 10/7/99 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | 0.919 | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 2.50 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 109 | % | |
| TB | | | | <u>M909985-03</u> | | | <u>Water</u> | |
| Purgeable Hydrocarbons | 9100162 | 10/7/99 | 10/7/99 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 2.50 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 109 | % | |





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|---|---|---|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 9-0329 (340 Highland Ave., Piedmont) Project Number: 990928-D3 Project Manager: Scott Boor | Sampled: 9/28/99 Received: 9/29/99 Reported: 10/19/99 |
|---|---|---|

**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* |
|--|---------------|-------------------------------|-------------------|-----------|---|----------------------------------|-------------|--------------|----------|--------|
| Batch: 9100162 | | Date Prepared: 10/7/99 | | | Extraction Method: EPA 5030B (P/T) | | | | | |
| Blank | | 9100162-BLK1 | | | | | | | | |
| Purgeable Hydrocarbons | 10/7/99 | | | 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 | | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | " | 10.0 | | 9.36 | " | 70.0-130 | 93.6 | | | |
| LCS | | 9100162-BS1 | | | | | | | | |
| Benzene | 10/7/99 | 10.0 | | 8.63 | ug/l | 70.0-130 | 86.3 | | | |
| Toluene | " | 10.0 | | 9.99 | " | 70.0-130 | 99.9 | | | |
| Ethylbenzene | " | 10.0 | | 10.1 | " | 70.0-130 | 101 | | | |
| Xylenes (total) | " | 30.0 | | 32.8 | " | 70.0-130 | 109 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | " | 10.0 | | 9.58 | " | 70.0-130 | 95.8 | | | |
| Matrix Spike | | 9100162-MS1 | M909ACG-01 | | | | | | | |
| Benzene | 10/7/99 | 10.0 | ND | 8.10 | ug/l | 60.0-140 | 81.0 | | | |
| Toluene | " | 10.0 | ND | 9.62 | " | 60.0-140 | 96.2 | | | |
| Ethylbenzene | " | 10.0 | ND | 10.8 | " | 60.0-140 | 108 | | | |
| Xylenes (total) | " | 30.0 | ND | 31.8 | " | 60.0-140 | 106 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | " | 10.0 | | 8.53 | " | 70.0-130 | 85.3 | | | |
| Matrix Spike Dup | | 9100162-MSD1 | M909ACG-01 | | | | | | | |
| Benzene | 10/7/99 | 10.0 | ND | 8.24 | ug/l | 60.0-140 | 82.4 | 25.0 | 1.71 | |
| Toluene | " | 10.0 | ND | 9.84 | " | 60.0-140 | 98.4 | 25.0 | 2.26 | |
| Ethylbenzene | " | 10.0 | ND | 11.2 | " | 60.0-140 | 112 | 25.0 | 3.64 | |
| Xylenes (total) | " | 30.0 | ND | 33.0 | " | 60.0-140 | 110 | 25.0 | 3.70 | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | " | 10.0 | | 10.0 | " | 70.0-130 | 100 | | | |





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|---|---|---|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 9-0329 (340 Highland Ave., Piedmont) Project Number: 990928-D3 Project Manager: Scott Boor | Sampled: 9/28/99 Received: 9/29/99 Reported: 10/19/99 |
|---|---|---|

Notes and Definitions

| # | Note |
|--------|--|
| D | Data reported from a dilution. |
| 1 | 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 |





November 11, 1999

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

RE: Chevron 9-0329 -991027-D1/340 Highland Ave. Piedmont/M910AAK

Dear Scott Boor

Enclosed are the results of analyses for sample(s) received by the laboratory on October 28, 1999. 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 9-0329 Project Number: 991027-D1/340 Highland Ave., Piedmont Project Manager: Scott Boor | Sampled: 10/27/99 Received: 10/28/99 Reported: 11/11/99 |
|---|---|---|

ANALYTICAL REPORT FOR M910AAK

| Sample Description | Laboratory Sample Number | Sample Matrix | Date Sampled |
|--------------------|--------------------------|---------------|--------------|
| C-2 | M910AAK-01 | Water | 10/27/99 |
| C-3 | M910AAK-02 | Water | 10/27/99 |
| C-6 | M910AAK-03 | Water | 10/27/99 |
| TB | M910AAK-04 | Water | 10/27/99 |





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|---|---|---|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 9-0329 Project Number: 991027-D1/340 Highland Ave., Piedmont Project Manager: Scott Boor | Sampled: 10/27/99 Received: 10/28/99 Reported: 11/11/99 |
|---|---|---|

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

| Analyte | Batch Number | Date Prepared | Date Analyzed | Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|-----------------------------------|--------------|---------------|---------------|--------------------------|-----------------|--------|---------------------|--------|
| C-2 | | | | <u>M910AAK-01</u> | | | <u>Water</u> | |
| Purgeable Hydrocarbons | 9110211 | 11/5/99 | 11/5/99 | | 2000 | 9440 | ug/l | 1,D |
| Benzene | " | " | " | | 20.0 | 711 | " | D |
| Toluene | " | " | " | | 20.0 | ND | " | D |
| Ethylbenzene | " | " | " | | 20.0 | 74.9 | " | D |
| Xylenes (total) | " | " | " | | 20.0 | 42.4 | " | D |
| Methyl tert-butyl ether | " | " | 11/4/99 | | 250 | 17500 | " | 2,D |
| Surrogate: a,a,a-Trifluorotoluene | " | " | 11/5/99 | 70.0-130 | | 110 | % | |
| C-3 | | | | <u>M910AAK-02</u> | | | <u>Water</u> | |
| Purgeable Hydrocarbons | 9110149 | 11/4/99 | 11/4/99 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 2.50 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 104 | % | |
| C-6 | | | | <u>M910AAK-03</u> | | | <u>Water</u> | |
| Purgeable Hydrocarbons | 9110149 | 11/4/99 | 11/4/99 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 2.50 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 91.1 | % | |
| TB | | | | <u>M910AAK-04</u> | | | <u>Water</u> | |
| Purgeable Hydrocarbons | 9110149 | 11/4/99 | 11/4/99 | | 50.0 | ND | ug/l | |
| Benzene | " | " | " | | 0.500 | ND | " | |
| Toluene | " | " | " | | 0.500 | ND | " | |
| Ethylbenzene | " | " | " | | 0.500 | ND | " | |
| Xylenes (total) | " | " | " | | 0.500 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 2.50 | ND | " | |
| Surrogate: a,a,a-Trifluorotoluene | " | " | " | 70.0-130 | | 93.6 | % | |





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| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 9-0329 Project Number: 991027-D1/340 Highland Ave., Piedmont Project Manager: Scott Boor | Sampled: 10/27/99 Received: 10/28/99 Reported: 11/11/99 |
|---|---|---|

**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* |
|-----------------------------------|---------------|-------------|--------------------------------|-----------|-------|---|-------------|--------------|----------|--------|
| Batch: 9110149 | | | Date Prepared: 11/4/99 | | | Extraction Method: EPA 5030B (P/T) | | | | |
| Blank | | | 9110149-BLK1 | | | | | | | |
| Purgeable Hydrocarbons | 11/4/99 | | | 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 | | 10.1 | " | 70.0-130 | 101 | | | |
| LCS | | | 9110149-BS1 | | | | | | | |
| Purgeable Hydrocarbons | 11/4/99 | 250 | | 227 | ug/l | 70.0-130 | 90.8 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 10.9 | " | 70.0-130 | 109 | | | |
| Matrix Spike | | | 9110149-MS1 M910AAK-03 | | | | | | | |
| Purgeable Hydrocarbons | 11/4/99 | 250 | ND | 207 | ug/l | 60.0-140 | 82.8 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 9.76 | " | 70.0-130 | 97.6 | | | |
| Matrix Spike Dup | | | 9110149-MSD1 M910AAK-03 | | | | | | | |
| Purgeable Hydrocarbons | 11/4/99 | 250 | ND | 203 | ug/l | 60.0-140 | 81.2 | 25.0 | 1.95 | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 10.3 | " | 70.0-130 | 103 | | | |
| Batch: 9110211 | | | Date Prepared: 11/5/99 | | | Extraction Method: EPA 5030B (P/T) | | | | |
| Blank | | | 9110211-BLK1 | | | | | | | |
| Purgeable Hydrocarbons | 11/5/99 | | | 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 | | 12.4 | " | 70.0-130 | 124 | | | |
| LCS | | | 9110211-BS1 | | | | | | | |
| Benzene | 11/5/99 | 10.0 | | 9.38 | ug/l | 70.0-130 | 93.8 | | | |
| Toluene | " | 10.0 | | 9.28 | " | 70.0-130 | 92.8 | | | |
| Ethylbenzene | " | 10.0 | | 9.15 | " | 70.0-130 | 91.5 | | | |
| Xylenes (total) | " | 30.0 | | 28.6 | " | 70.0-130 | 95.3 | | | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 11.9 | " | 70.0-130 | 119 | | | |
| LCS Dup | | | 9110211-BSD1 | | | | | | | |
| Benzene | 11/5/99 | 10.0 | | 9.48 | ug/l | 70.0-130 | 94.8 | 25.0 | 1.06 | |
| Toluene | " | 10.0 | | 9.49 | " | 70.0-130 | 94.9 | 25.0 | 2.24 | |





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|---|---|---|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 9-0329 Project Number: 991027-D1/340 Highland Ave., Piedmont Project Manager: Scott Boor | Sampled: 10/27/99 Received: 10/28/99 Reported: 11/11/99 |
|---|---|---|

**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* |
|-----------------------------------|----------------------------|-------------|---------------|-----------|-------|-------------------------------|----------|-----------|-------|--------|
| <u>LCS Dup (continued)</u> | | | | | | | | | | |
| | <u>9110211-BSD1</u> | | | | | | | | | |
| Ethylbenzene | 11/5/99 | 10.0 | | 9.45 | ug/l | 70.0-130 | 94.5 | 25.0 | 3.23 | |
| Xylenes (total) | " | 30.0 | | 28.9 | " | 70.0-130 | 96.3 | 25.0 | 1.04 | |
| Surrogate: a,a,a-Trifluorotoluene | " | 10.0 | | 11.3 | " | 70.0-130 | 113 | | | |





| | | |
|---|---|---|
| Blaine Tech Services (Chev) 1680 Rogers Avenue San Jose, CA 95112 | Project: Chevron 9-0329 Project Number: 991027-D1/340 Highland Ave., Piedmont Project Manager: Scott Boor | Sampled: 10/27/99 Received: 10/28/99 Reported: 11/11/99 |
|---|---|---|

Notes and Definitions

| # | Note |
|---|------|
|---|------|

- D Data reported from a dilution.
- 1 Chromatogram Pattern: Gasoline C6-C12
- 2 Sample was analyzed at a second dilution per clients request.
- 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



Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

| | |
|-------------------------------------|---------------------------------------|
| Project #: 990928-D3 | Station #: 9-0329 |
| Sampler: DORRIE | Date: 9-28-99 |
| Well I.D.: C-2 | Well Diameter: <u>2</u> 3 4 6 8 _____ |
| Total Well Depth: 13.67 | Depth to Water: 2.81 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>PVC-70C</u> Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 2" | 0.16 | 5" | 1.02 |
| 3" | 0.37 | 6" | 1.47 |
| 4" | 0.65 | Other | radius ² * 0.163 |

| | |
|--|---|
| Purge Method: <u>Bailer</u> <u>Disposable Bailer</u> Middleburg Electric Submersible Extraction Pump Other: _____ | Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> Extraction Port Other: _____ |
|--|---|

| | | | | | |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>1.7</u> | x | <u>3</u> | = | <u>5.2</u> | Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|------|-----------|-----|-------|---------------|--------------|
| 1612 | 78.7 | 6.7 | 817.5 | 2 | |
| 1617 | 80.1 | 6.5 | 801.0 | 4 | |
| 1623 | 76.9 | 6.6 | 748.6 | 6 | |
| | | | | | |
| | | | | | |

| | |
|---|--|
| Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Gallons actually evacuated: <u>6</u> |
| Sampling Time: <u>1629</u> | Sampling Date: <u>9-28-99</u> |
| Sample I.D.: <u>C-2</u> | Laboratory: <u>Sequoia</u> GTEL N. Creek Assoc. Labs |
| Analyzed for: <u>TPH-G BTEX MTBE</u> TPH-D Other: | |
| Duplicate I.D.: | 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 #: 990928-23 | Station #: 9-0329 |
| Sampler: DODDIE | Date: 9-28-99 |
| Well I.D.: C-4 | Well Diameter: <u>2</u> 3 4 6 8 _____ |
| Total Well Depth: 10.00 | Depth to Water: 4.70 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>PVC JDC</u> Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 2" | 0.16 | 5" | 1.02 |
| 3" | 0.37 | 6" | 1.47 |
| 4" | 0.65 | Other | radius ² * 0.163 |

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

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Other: _____

| | | | | | |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>8</u> | x | <u>3</u> | = | <u>2.5</u> | Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|-----------------------------|-----------|-----|-------|---------------|--------------|
| 1555 | 77.4 | 7.0 | 512.3 | 1 | DOWN |
| WELL DEWATERED AT 1 1/2 GAL | | | | | DTW 10.00 |
| 1645 | 77.6 | 6.9 | 452.8 | 1 1/2 | DTW 9.45 |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 1 1/2

Sampling Time: 16:45 Sampling Date: 9-28-99

Sample I.D.: C-4 Laboratory: Sequoia GTEL N. Creek Assoc. Labs

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

Duplicate I.D.: _____ 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 #: 991027-D1 | Station #: 9-0329 |
| Sampler: DAWPTE | Date: 10/27/99 |
| Well I.D.: C-6 | Well Diameter: <u>2</u> 3 4 6 8 |
| Total Well Depth: 17.40 | Depth to Water: 1.45 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>EVOYCC</u> Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multplier | Well Diameter | Multplier |
|---------------|-----------|---------------|-----------------------------|
| 2" | 0.16 | 5" | 1.02 |
| 3" | 0.27 | 6" | 1.47 |
| 4" | 0.65 | Other | radius ² * 0.163 |

| | |
|--|---|
| Purge Method: <u>Bailer</u> <u>Disposable Bailer</u> Middleburg Electric Submersible Extraction Pump Other: _____ | Sampling Method: <u>Bailer</u> <u>Disposable Bailer</u> Extraction Port Other: _____ |
|--|---|

| | | | | | |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>2.5</u> | x | <u>3</u> | = | <u>7.6</u> | Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|------|-----------|-----|-------|---------------|--------------|
| 921 | 68.9 | 7.0 | 785.4 | 3 | |
| 923 | 69.6 | 7.3 | 613.0 | 5 | |
| 926 | 69.6 | 7.3 | 612.8 | 8 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 8

Sampling Time: 920 Sampling Date: 10/27/99

Sample I.D.: C-6 Laboratory: Sequoia GTEL N. Creek Assoc. Labs

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

Duplicate I.D.: 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 #: 991027-D1 | Station #: C-0329 |
| Sampler: DOWIE | Date: 10/27/95 |
| Well I.D.: e-3 | Well Diameter: <u>2</u> 3 4 6 8 |
| Total Well Depth: 14.10 | Depth to Water: 1.47 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>EVG</u> <u>Graco</u> | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplicr | Well Diameter | Multiplicr |
|---------------|------------|---------------|-----------------------------|
| 2" | 0.16 | 5" | 1.02 |
| 3" | 0.37 | 6" | 1.47 |
| 4" | 0.65 | Other | radius ² * 0.163 |

| | |
|---|--|
| Purge Method: <u>Bailer</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____ | Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: _____ |
|---|--|

| | | | | | |
|-----------------------|---|-------------------|---|-------------------|-------|
| 2.0 | x | 3 | = | 6.0 | Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|------|-----------|-----|-------|---------------|--------------|
| 955 | 69.4 | 7.3 | 610.2 | 2 | |
| 957 | 70.1 | 7.3 | 608.6 | 4 | |
| 959 | 70.3 | 7.3 | 609.6 | 6 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 1003 Sampling Date: 10/27/95

Sample I.D.: e-3 Laboratory: Sequoia GTEL N. Creek Assoc. Labs

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

Duplicate I.D.: 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 #: <u>971027-D1</u> | Station #: <u>9-C329</u> |
| Sampler: <u>Doppel</u> | Date: <u>10/27/99</u> |
| Well I.D.: <u>C-2</u> | Well Diameter: <u>(2)</u> 3 4 6 8 _____ |
| Total Well Depth: <u>1407</u> | Depth to Water: <u>2.98</u> |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>PVC 70L</u> Grade | D.O. Meter (if req'd): YSI HACH |

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---------------|------------|---------------|-----------------------------|
| 2" | 0.16 | 5" | 1.02 |
| 3" | 0.37 | 6" | 1.47 |
| 4" | 0.65 | Other | radius ² * 0.163 |

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

Sampling Method: Bailer
Disposable Bailer
 Extraction Port
 Other: _____

| | | | | | |
|-----------------------|---|-------------------|---|-------------------|-------|
| <u>1.7</u> | x | <u>3</u> | = | <u>5.3</u> | Gals. |
| 1 Case Volume (Gals.) | | Specified Volumes | | Calculated Volume | |

| Time | Temp (°F) | pH | Cond. | Gals. Removed | Observations |
|------|-----------|-----|-------|---------------|-------------------------|
| 1020 | 69.8 | 6.9 | 827.8 | 2 | <u>SHARP / 0200</u> |
| 1023 | 70.6 | 6.9 | 807.7 | 4 | |
| 1025 | 72.8 | 7.0 | 807.2 | 6 | |
| | | | | | |
| | | | | | |

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 1029 Sampling Date: 10/27/99

Sample I.D.: C-2 Laboratory: Sequia GTEL N. Creek Assoc. Labs

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

Duplicate I.D.: _____ 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 |