BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

May 3, 1996

Phil Briggs
Chevron U.S.A. Products Company
P. 0. Box 5004
San Ramon, CA 94583-0804

**1st Quarter 1996 Monitoring at 9-1851**

First Quarter 1996 Groundwater Monitoring at
Chevron Service Station Number 9-1851
451 Hegenberger Rd.
Oakland, CA

Monitoring Performed on March 29, 1996

Groundwater Sampling Report **960329-V-2**

This report covers the routine quarterly 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 Chevron's Richmond Refinery 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.

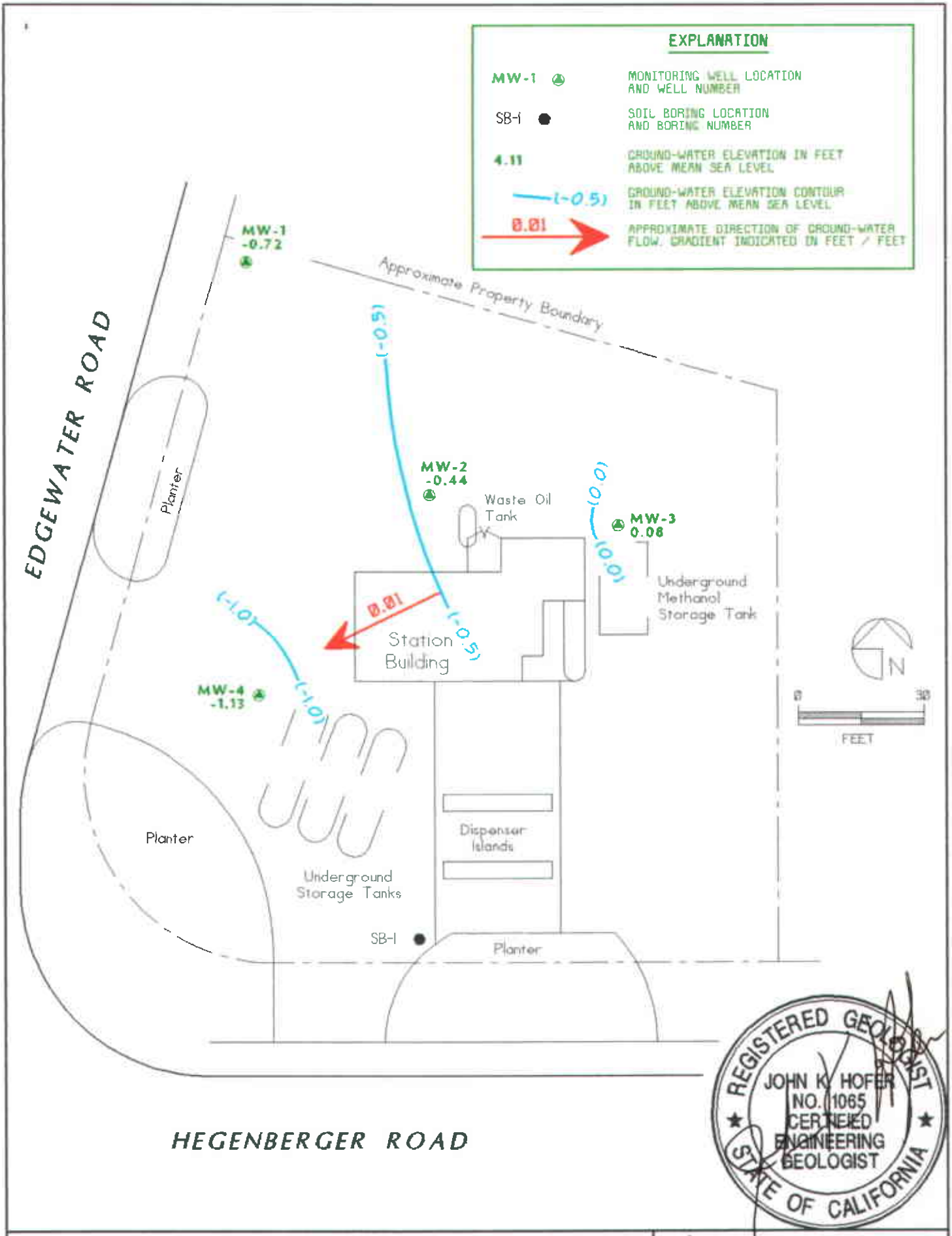
Yours truly,

James Keller
Vice President

JPK/dk

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

# Professional Engineering Appendix




TITLE : GROUND-WATER ELEVATION CONTOUR MAP - MARCH 29, 1996

LOCATION : CHEVRON SERVICE STATION No.: 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

SOURCE : GETTLER-RYAN INC.

GEOCONSULTANTS, INC
SAN JOSE, CALIFORNIA
Project No. 0758-09

# 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 | TOG | TPH-Diesel | Benzene (EPA 8240) | Xylene (EPA 8240) | 1, 2-DCE | Vinyl Chloride | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | | | | | | | | | | | | | | | | |
| 10/17/95 | 2.61 | -1.51 | 4.12 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | -- |
| 03/29/96 | 2.61 | -0.72 | 3.33 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | 9.5 |
| **MW-2** | | | | | | | | | | | | | | | | |
| 10/17/95 | 3.51 | -1.82 | 5.33 | * | 170 | 3.5 | <0.5 | 1.0 | 6.1 | <5000 | 1600** | -- | -- | 11 | -- | -- |
| 03/29/96 | 3.51 | -0.44 | 3.95 | -- | 89 | 4.7 | <0.5 | 0.64 | 0.74 | -- | 3000** | 11 | 2.5 | 17 | 5.4 | 21 |
| **MW-3** | | | | | | | | | | | | | | | | |
| 10/17/95 | 3.08 | -1.34 | 4.42 | *** | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | -- |
| 03/29/96 | 3.08 | 0.08 | 3.00 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | 26 |
| **MW-4** | | | | | | | | | | | | | | | | |
| 10/17/95 | 3.48 | -1.60 | 5.08 | | <125 | <1.2 | <1.2 | <1.2 | <1.2 | -- | -- | -- | -- | -- | -- | -- |
| 03/29/96 | 3.48 | -1.13 | 4.61 | | <1000 | <10 | <10 | <10 | <10 | -- | -- | -- | -- | -- | -- | 6700 |

* Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane is 1.7 ppb.
** Chromatagram pattern indicates an unidentified hydrocarbon.
*** Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respetively <1000 and <200 ppb.

# 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 | TOG | TPH-Diesel | Benzene (EPA 8240) | Xylene (EPA 8240) | 1, 2-DCE | Vinyl Chloride | MTBE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TRIP BLANK** | | | | | | | | | | | | | | | | |
| 10/17/95 | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- | -- | -- | -- |
| 03/29/96 | -- | -- | -- | -- | <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 March 29, 1996.
Earlier field data and analytical results are drawn from the December 29, 1995 Gettler-Ryan, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.
TOG = Total Oil Grease
MTBE = Methyl t-butyl ether

# Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Sampled: 03/29/96 |
| 985 Timothy Drive | Sample Descript: MW-1 | Received: 04/01/96 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 04/05/96 |
| Attention: Jim Keller | Lab Number: 9604053-01 | Reported: 04/17/96 |

QC Batch Number: GC040596BTEX20A
Instrument ID: GCHP20

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | N.D. |
| **Methyl t-Butyl Ether** | **2.5** | **9.5** |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 90 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Sampled: 03/29/96 |
| 985 Timothy Drive | Sample Descript: MW-2 | Received: 04/01/96 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 04/05/96 |
| Attention: Jim Keller | Lab Number: 9604053-02 | Reported: 04/17/96 |

QC Batch Number: GC040596BTEX17B
Instrument ID: GCHP17

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TPPH as Gas** | **50** | **89** |
| **Methyl t-Butyl Ether** | **2.5** | **21** |
| **Benzene** | **0.50** | **4.7** |
| Toluene | 0.50 | N.D. |
| **Ethyl Benzene** | **0.50** | **0.64** |
| **Xylenes (Total)** | **0.50** | **0.74** |
| **Chromatogram Pattern:** | | **Gas** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 85 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Sampled: 03/29/96 |
| 985 Timothy Drive | Sample Descript: MW-2 | Received: 04/01/96 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: EPA 8240 | Analyzed: 04/09/96 |
| Attention: Jim Keller | Lab Number: 9604053-02 | Reported: 04/17/96 |

QC Batch Number: MS0409968240F3A
Instrument ID: F3

## Volatile Organics (EPA 8240)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| Acetone | 10 | N.D. |
| **Benzene** | **2.0** | **11** |
| Bromodichloromethane | 2.0 | N.D. |
| Bromoform | 2.0 | N.D. |
| Bromomethane | 2.0 | N.D. |
| 2-Butanone | 10 | N.D. |
| Carbon disulfide | 2.0 | N.D. |
| Carbon tetrachloride | 2.0 | N.D. |
| Chlorobenzene | 2.0 | N.D. |
| Chloroethane | 2.0 | N.D. |
| 2-Chloroethyl vinyl ether | 10 | N.D. |
| Chloroform | 2.0 | N.D. |
| Chloromethane | 2.0 | N.D. |
| Dibromochloromethane | 2.0 | N.D. |
| 1,1-Dichloroethane | 2.0 | N.D. |
| 1,2-Dichloroethane | 2.0 | N.D. |
| 1,1-Dichloroethene | 2.0 | N.D. |
| **cis-1,2-Dichloroethene** | **2.0** | **17** |
| trans-1,2-Dichloroethene | 2.0 | N.D. |
| 1,2-Dichloropropane | 2.0 | N.D. |
| cis-1,3-Dichloropropene | 2.0 | N.D. |
| trans-1,3-Dichloropropene | 2.0 | N.D. |
| Ethylbenzene | 2.0 | N.D. |
| 2-Hexanone | 10 | N.D. |
| Methylene chloride | 5.0 | N.D. |
| 4-Methyl-2-pentanone | 10 | N.D. |
| Styrene | 2.0 | N.D. |
| 1,1,2,2-Tetrachloroethane | 2.0 | N.D. |
| Tetrachloroethene | 2.0 | N.D. |
| Toluene | 2.0 | N.D. |
| 1,1,1-Trichloroethane | 2.0 | N.D. |
| 1,1,2-Trichloroethane | 2.0 | N.D. |
| Trichloroethene | 2.0 | N.D. |
| Trichlorofluoromethane | 2.0 | N.D. |
| Vinyl acetate | 5.0 | N.D. |
| **Vinyl chloride** | **2.0** | **5.4** |

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Sampled: 03/29/96 |
| 985 Timothy Drive | Sample Descript: MW-2 | Received: 04/01/96 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: EPA 8240 | Analyzed: 04/09/96 |
| Attention: Jim Keller | Lab Number: 9604053-02 | Reported: 04/17/96 |

QC Batch Number: MS0409968240F3A
Instrument ID: F3

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **Total Xylenes** | **2.0** | **2.5** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 76 | 114 | 107 |
| Toluene-d8 | 88 | 110 | 97 |
| 4-Bromofluorobenzene | 86 | 115 | 104 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Sampled: 03/29/96 |
| 985 Timothy Drive | Sample Descript: MW-2 | Received: 04/01/96 |
| San Jose, CA 95133 | Matrix: LIQUID | Extracted: 04/04/96 |
| | Analysis Method: EPA 8015 Mod | Analyzed: 04/08/96 |
| Attention: Jim Keller | Lab Number: 9604053-02 | Reported: 04/17/96 |

QC Batch Number: GC0404960HBPEXZ
Instrument ID: GCHP5A

## Total Extractable Petroleum Hydrocarbons (TEPH)

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| **TEPH as Diesel** | **50** | **3000** |
| **Chromatogram Pattern:** | **C9-C24** | **Unidentified HC** |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| n-Pentacosane (C25) | 50 | 150 | 165 Q |

Results quantitated against a diesel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Sampled: 03/29/96 |
| 985 Timothy Drive | Sample Descript: MW-3 | Received: 04/01/96 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 04/05/96 |
| Attention: Jim Keller | Lab Number: 9604053-03 | Reported: 04/17/96 |

QC Batch Number: GC040596BTEX20A
Instrument ID: GCHP20

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | N.D. |
| **Methyl t-Butyl Ether** | **2.5** | **26** |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 91 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Sampled: 03/29/96 |
| 985 Timothy Drive | Sample Descript: MW-4 | Received: 04/01/96 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 04/05/96 |
| Attention: Jim Keller | Lab Number: 9604053-04 | Reported: 04/17/96 |

QC Batch Number: GC040596BTEX03B
Instrument ID: GCHP3

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 1000 | N.D. |
| **Methyl t-Butyl Ether** | **50** | **6700** |
| Benzene | 10 | N.D. |
| Toluene | 10 | N.D. |
| Ethyl Benzene | 10 | N.D. |
| Xylenes (Total) | 10 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 87 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Sampled: 03/29/96 |
| 985 Timothy Drive | Sample Descript: TB | Received: 04/01/96 |
| San Jose, CA 95133 | Matrix: LIQUID | |
| | Analysis Method: 8015Mod/8020 | Analyzed: 04/05/96 |
| Attention: Jim Keller | Lab Number: 9604053-05 | Reported: 04/17/96 |

QC Batch Number: GC040596BTEX20A
Instrument ID: GCHP20

## Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

| Analyte | Detection Limit ug/L | Sample Results ug/L |
|---|---|---|
| TPPH as Gas | 50 | N.D. |
| Methyl t-Butyl Ether | 2.5 | N.D. |
| Benzene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Xylenes (Total) | 0.50 | N.D. |
| Chromatogram Pattern: | | |

| Surrogates | Control Limits % | | % Recovery |
|---|---|---|---|
| Trifluorotoluene | 70 | 130 | 83 |

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | |
|---|---|---|
| Blaine Technical Services | Client Proj. ID: Chevron 9-1851/960329-V-2 | Received: 04/01/96 |
| 985 Timothy Drive | | |
| San Jose, CA 95133 | Lab Proj. ID: 9604053 | Reported: 04/17/96 |
| Attention: Jim Keller | | |

## LABORATORY NARRATIVE

TPPH Note: Sample 9604053-04 was diluted 20-fold.

**SEQUOIA ANALYTICAL**

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron 9-1851 / 960329-V-2
Matrix: Liquid
Work Order #: 9604053 -01, 03, 05

Reported: Apr 18, 1996

## QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes |
|---|---|---|---|---|
| QC Batch#: | GC040596BTEX20A | GC040596BTEX20A | GC040596BTEX20A | GC040596BTEX20A |
| Analy. Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Prep. Method: | EPA 5030 | EPA 5030 | EPA 5030 | EPA 5030 |
| Analyst: | J. Woo | J. Woo | J. Woo | J. Woo |
| MS/MSD #: | 9603F9702 | 9603F9702 | 9603F9702 | 9603F9702 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Analyzed Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Instrument I.D.#: | GCHP20 | GCHP20 | GCHP20 | GCHP20 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L |
| Result: | 8.8 | 8.9 | 9.1 | 26 |
| MS % Recovery: | 88 | 89 | 91 | 87 |
| Dup. Result: | 10 | 10 | 10 | 32 |
| MSD % Recov.: | 100 | 100 | 100 | 107 |
| RPD: | 13 | 12 | 9.4 | 21 |
| RPD Limit: | 0-50 | 0-50 | 0-50 | 0-50 |
| LCS #: | BLK040596 | BLK040596 | BLK040596 | BLK040596 |
| Prepared Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Analyzed Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Instrument I.D.#: | GCHP20 | GCHP20 | GCHP20 | GCHP20 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L |
| LCS Result: | 10 | 10 | 11 | 31 |
| LCS % Recov.: | 100 | 100 | 110 | 103 |
| MS/MSD LCS Control Limits | 70-130 | 70-130 | 70-130 | 70-130 |

SEQUOIA ANALYTICAL

Reggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | Client Project ID: | Chevron 9-1851 / 960329-V-2 | |
| 985 Timothy Drive | Matrix: | Liquid | |
| San Jose, CA 95133 | | | |
| Attention: Jim Keller | Work Order #: | 9604053-02 | Reported: Apr 18, 1996 |

## QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes |
|---|---|---|---|---|
| QC Batch#: | GC040596BTEX17B | GC040596BTEX17B | GC040596BTEX17B | GC040596BTEX17B |
| Analy. Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Prep. Method: | EPA 5030 | EPA 5030 | EPA 5030 | EPA 5030 |
| Analyst: | J. Woo | J. Woo | J. Woo | J. Woo |
| MS/MSD #: | 9603F9703 | 9603F9703 | 9603F9703 | 9603F9703 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Analyzed Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Instrument I.D.#: | GCHP17 | GCHP17 | GCHP17 | GCHP17 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L |
| Result: | 9.8 | 9.8 | 9.9 | 29 |
| MS % Recovery: | 98 | 98 | 99 | 97 |
| Dup. Result: | 9.7 | 9.7 | 9.7 | 29 |
| MSD % Recov.: | 97 | 97 | 97 | 97 |
| RPD: | 1.0 | 1.0 | 2.0 | 0.0 |
| RPD Limit: | 0-50 | 0-50 | 0-50 | 0-50 |

| | | | | |
|---|---|---|---|---|
| LCS #: | BLK040596 | BLK040596 | BLK040596 | BLK040596 |
| Prepared Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Analyzed Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Instrument I.D.#: | GCHP17 | GCHP17 | GCHP17 | GCHP17 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L |
| LCS Result: | 9.6 | 9.6 | 9.6 | 28 |
| LCS % Recov.: | 96 | 96 | 96 | 93 |
| MS/MSD LCS Control Limits | 70-130 | 70-130 | 70-130 | 70-130 |

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | Client Project ID: | Chevron 9-1851 / 960329-V-2 | |
| 985 Timothy Drive | Matrix: | Liquid | |
| San Jose, CA 95133 | | | |
| Attention: Jim Keller | Work Order #: | 9604053-04 | Reported: Apr 18, 1996 |

## QUALITY CONTROL DATA REPORT

| Analyte: | Benzene | Toluene | Ethyl Benzene | Xylenes |
|---|---|---|---|---|
| QC Batch#: | GC040596BTEX03B | GC040596BTEX03B | GC040596BTEX03B | GC040596BTEX03B |
| Analy. Method: | EPA 8020 | EPA 8020 | EPA 8020 | EPA 8020 |
| Prep. Method: | EPA 5030 | EPA 5030 | EPA 5030 | EPA 5030 |
| Analyst: | J. Woo | J. Woo | J. Woo | J. Woo |
| MS/MSD #: | 9603F9703 | 9603F9703 | 9603F9703 | 9603F9703 |
| Sample Conc.: | N.D. | N.D. | N.D. | N.D. |
| Prepared Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Analyzed Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Instrument I.D.#: | GCHP3 | GCHP3 | GCHP3 | GCHP3 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L |
| Result: | 10 | 9.6 | 10 | 29 |
| MS % Recovery: | 100 | 96 | 100 | 97 |
| Dup. Result: | 11 | 9.9 | 10 | 31 |
| MSD % Recov.: | 110 | 99 | 100 | 103 |
| RPD: | 9.5 | 3.1 | 0.0 | 6.7 |
| RPD Limit: | 0-50 | 0-50 | 0-50 | 0-50 |
| LCS #: | BLK040596 | BLK040596 | BLK040596 | BLK040596 |
| Prepared Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Analyzed Date: | 4/5/96 | 4/5/96 | 4/5/96 | 4/5/96 |
| Instrument I.D.#: | GCHP3 | GCHP3 | GCHP3 | GCHP3 |
| Conc. Spiked: | 10 µg/L | 10 µg/L | 10 µg/L | 30 µg/L |
| LCS Result: | 9.8 | 9.0 | 9.6 | 28 |
| LCS % Recov.: | 98 | 90 | 96 | 93 |
| MS/MSD LCS Control Limits | 70-130 | 70-130 | 70-130 | 70-130 |

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | Client Project ID: | Chevron 9-1851 / 960329-V-2 | |
| 985 Timothy Drive | Matrix: | Liquid | |
| San Jose, CA 95133 | | | |
| Attention: Jim Keller | Work Order #: | 9604053-02 | Reported: Apr 18, 1996 |

# QUALITY CONTROL DATA REPORT

| | |
|---|---|
| **Analyte:** | Diesel |
| **QC Batch#:** | GC0404960HBPEXZ |
| **Analy. Method:** | EPA 8015M |
| **Prep. Method:** | EPA 3520 |
| **Analyst:** | J. Minkel |
| **MS/MSD #:** | BLK040496 |
| **Sample Conc.:** | N.D. |
| **Prepared Date:** | 4/4/96 |
| **Analyzed Date:** | 4/6/96 |
| **Instrument I.D.#:** | GCHP5 |
| **Conc. Spiked:** | 1000 µg/L |
| **Result:** | 900 |
| **MS % Recovery:** | 90 |
| **Dup. Result:** | 980 |
| **MSD % Recov.:** | 98 |
| **RPD:** | 8.5 |
| **RPD Limit:** | 0-50 |

| | |
|---|---|
| **LCS #:** | - |
| **Prepared Date:** | - |
| **Analyzed Date:** | - |
| **Instrument I.D.#:** | - |
| **Conc. Spiked:** | - |
| **LCS Result:** | - |
| **LCS % Recov.:** | - |

| | |
|---|---|
| **MS/MSD LCS Control Limits** | 38-122 |

**SEQUOIA ANALYTICAL**

Reggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

| | | | |
|---|---|---|---|
| Blaine Tech Services, Inc. | Client Project ID: | Chevron 9-1851 / 960329-V-2 | |
| 985 Timothy Drive | Matrix: | Liquid | |
| San Jose, CA 95133 | | | |
| Attention: Jim Keller | Work Order #: | 9604053-02 | Reported: Apr 18, 1996 |

## QUALITY CONTROL DATA REPORT

| Analyte: | 1,1-Dichloroethene | Trichloroethene | Benzene | Toluene | Chloro-benzene |
|---|---|---|---|---|---|
| QC Batch#: | MS0409968240F3A | MS0409968240F3A | MS0409968240F3A | MS0409968240F3A | MS0409968240F3A |
| Analy. Method: | EPA 8240 | EPA 8240 | EPA 8240 | EPA 8240 | EPA 8240 |
| Prep. Method: | N/A | N/A | N/A | N/A | N/A |
| Analyst: | L. Duong | L. Duong | L. Duong | L. Duong | L. Duong |
| MS/MSD #: | 960405302 | 960405302 | 960405302 | 960405302 | 960405302 |
| Sample Conc.: | N.D. | N.D. | 11 | N.D. | N.D. |
| Prepared Date: | 4/9/96 | 4/9/96 | 4/9/96 | 4/9/96 | 4/9/96 |
| Analyzed Date: | 4/9/96 | 4/9/96 | 4/9/96 | 4/9/96 | 4/9/96 |
| Instrument I.D.#: | MS-F3 | MS-F3 | MS-F3 | MS-F3 | MS-F3 |
| Conc. Spiked: | 50 µg/L | 50 µg/L | 50 µg/L | 50 µg/L | 50 µg/L |
| Result: | 44 | 48 | 60 | 51 | 50 |
| MS % Recovery: | 88 | 96 | 98 | 102 | 100 |
| Dup. Result: | 44 | 47 | 59 | 50 | 49 |
| MSD % Recov.: | 88 | 94 | 96 | 100 | 98 |
| RPD: | 0.0 | 2.1 | 1.7 | 2.0 | 2.0 |
| RPD Limit: | 0-50 | 0-50 | 0-50 | 0-50 | 0-50 |
| LCS #: | BLK040996 | BLK040996 | BLK040996 | BLK040996 | BLK040996 |
| Prepared Date: | 4/9/96 | 4/9/96 | 4/9/96 | 4/9/96 | 4/9/96 |
| Analyzed Date: | 4/9/96 | 4/9/96 | 4/9/96 | 4/9/96 | 4/9/96 |
| Instrument I.D.#: | MS-F3 | MS-F3 | MS-F3 | MS-F3 | MS-F3 |
| Conc. Spiked: | 50 µg/L | 50 µg/L | 50 µg/L | 50 µg/L | 50 µg/L |
| LCS Result: | 46 | 49 | 51 | 49 | 50 |
| LCS % Recov.: | 92 | 98 | 102 | 98 | 100 |
| MS/MSD LCS Control Limits | 40-140 | 70-140 | 40-130 | 40-130 | 40-140 |

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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

# Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-1851
Facility Address: 451 Hegenberger Rd., Oakland, CA
Consultant Project Number: 960329-V-2
Consultant Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name): Jim Keller
(Phone) 408 995-5535 (Fax Number) 408 293-8773

Chevron Contact (Name): Phil Briggs
(Phone) (510) 842-9136
Laboratory Name: SEQ
Laboratory Release Number: 3741480
Samples Collected by (Name): T.A. VANDERBerg
Collection Date: 3-29-96
Signature:

| Sample Number | Lab Sample Number | Number of Containers | Matrix S = Soil A = Air W = Water C = Charcoal | Type G = Grab C = Composite D = Discrete | Time | Sample Preservation | Iced (Yes or No) | Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015) | TPH Diesel (8015) | Oil and Grease (5520) | Purgeable Halocarbons (8010) | Purgeable Aromatics (8020) | Purgeable Organics (8240) | Extractable Organics (8270) | Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA) | MTBE | | | | | DO NOT BILL FOR TB-LB 9604053 Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 01 A-C | 3 | W | G | | HCL | Y | ✓ | | | | | | | | ✓ | | | | | |
| MW-2 | 02 A-C | 3 | | G | | | | ✓ | ✓ | | | | ✓ | | | ✓ | | | | | |
| MW-3 | 03 A-C | 3 | | G | | | | ✓ | | | | | | | | ✓ | | | | | |
| MW-4 | 04 A-C | 3 | | G | | | | ✓ | | | | | | | | ✓ | | | | | |
| Tap | 05 A/B | 2 | | — | 063 | | | ✓ | | | | | | | | ✓ | | | | | |

| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
|---|---|---|---|---|---|
| | BTS | 4/1/96 11:30 | | SEQ | 4/1/96 11:30 |
| Relinquished By (Signature) | Organization | Date/Time | Received By (Signature) | Organization | Date/Time |
| | SEQ | 4/1/96 1240 | | | |
| Relinquished By (Signature) | Organization | Date/Time | Received For Laboratory By (Signature) | | Date/Time |
| | | | | | 4/1/96 1209 |

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

COC-3.DWG/03 91/HCH

# Field
# Data
# Sheets

# WELL GAUGING DATA

Project # 960329-V-2 Date 3-29-96 Client Chevron 9-1857

Site 457 Hegenberger Oakland

| Well I.D. | Well Size (in.) | Sheen/ Odor | Depth to Immiscible Liquid (feet) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to Water (feet) | Depth to Well Bottom (feet) | Survey Point: TOB or TOC |
|---|---|---|---|---|---|---|---|---|
| MW-1 | 2 | | | | | 3.33 | 14.53 | TOC |
| * MW-2 | 2 | sheen odor | | | | 3.95 | 14.84 | \| |
| MW-3 | 2 | | | | | 3.00 | 14.61 | \| |
| MW-4 | 2 | | | | | 4.61 | 15.02 | \| |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 960329-V-2 | Station #: 9-1851 |
| Sampler: Fred | Start Date: 3-29-96 |
| Well I.D.: MW-1 | Well Diameter: (circle one) (2) 3 4 6 ___ |
| Total Well Depth: Before 14.53 After | Depth to Water: Before 3.33 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) Grade | Other: |

| Well Diameter | VCF | Well Diameter | VCF |
|---|---|---|---|
| 1" | 0.04 | 6" | 1.47 |
| 2" | 0.16 | 8" | 2.61 |
| 3" | 0.37 | 10" | 4.08 |
| 4" | 0.65 | 12" | 5.87 |
| 5" | 1.02 | 16" | 10.43 |

1.79 (1 Case Volume) x 3 (Specified Volumes) = 5.37 gallons

Purging: Bailer
~~Disposable Bailer~~
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
~~Disposable Bailer~~
Extraction Port
Other_____

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1250 | 66.0 | 6.6 | 2000 | >200 | 2.0 | |
| 1252 | 65.8 | 6.4 | 1600 | >200 | 4.0 | |
| 1254 | 65.8 | 6.4 | 1600 | >200 | 5.5 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.5

Sampling Time: 1304 Sampling Date: 3-29-96

Sample I.D.: MW-1 Laboratory: SEQ

Analyzed for: (TPH-G BTEX) TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

# CHEVRON WELL MONITORING DATA SHEET

Project #: 960329-d-2 Station #: 9-1857

Sampler: Fred Start Date: 3-29-96

Well I.D.: MW-2 Well Diameter: (circle one) (2) 3 4 6 ____

Total Well Depth: Depth to Water:

Before 14.84 After Before 3.95 After

Depth to Free Product: Thickness of Free Product (feet):

Measurements referenced to: PVC Grade Other:

| Well Diameter | VCF | Well Diameter | VCF |
|---|---|---|---|
| 1" | 0.04 | 6" | 1.47 |
| 2" | 0.16 | 8" | 2.61 |
| 3" | 0.37 | 10" | 4.08 |
| 4" | 0.65 | 12" | 5.87 |
| 5" | 1.02 | 16" | 10.43 |

1.74 x 3 = 5.22

1 Case Volume Specified Volumes gallons

Purging: ~~Bailer~~ ~~Disposable Bailer~~ Middleburg Electric Submersible Extraction Pump Other____

Sampling: ~~Bailer~~ ~~Disposable Bailer~~ Extraction Port Other____

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1405 | 66.8 | 7.0 | 5,000 | >200 | 1.5 | Sheen/odor |
| 1407 | 66.8 | 6.6 | 8,000 | >200 | 3.0 | |
| 1410 | 66.8 | 6.6 | 8000 | >200 | 5.5 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.5

Sampling Time: 1420 Sampling Date: 3-29-96

Sample I.D.: MW-2 Laboratory: SEQ

Analyzed for: ~~TPH-G~~ BTEX ~~TPH-D~~ OTHER: 8240
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 960329-V-2 | Station #: 9-1857 |
| Sampler: Fred | Start Date: 3-29-96 |
| Well I.D.: MW-3 | Well Diameter: (circle one) (2) 3 4 6 ____ |
| Total Well Depth: Before 14.61 After | Depth to Water: Before 3.00 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) Grade Other: | |

| Well Diameter | VCF | Well Diameter | VCF |
|---|---|---|---|
| 1" | 0.04 | 6" | 1.47 |
| 2" | 0.16 | 8" | 2.61 |
| 3" | 0.37 | 10" | 4.08 |
| 4" | 0.65 | 12" | 5.87 |
| 5" | 1.02 | 16" | 10.43 |

| 1 Case Volume | x | Specified Volumes | = | gallons |
|---|---|---|---|---|
| 1.85 | x | 3 | = | 5.57 |

Purging: Bailer
~~Disposable Bailer~~
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
~~Disposable Bailer~~
Extraction Port
Other_____

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1320 | 66.4 | 7.0 | 2200 | >200 | 2.0 | |
| 1322 | 66.2 | 6.4 | 2400 | >200 | 4.0 | |
| 1325 | 66.2 | 6.4 | 2400 | >200 | 6.0 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6.0

| | |
|---|---|
| Sampling Time: 1335 | Sampling Date: 3-29-96 |
| Sample I.D.: MW-3 | Laboratory: SEQ |
| Analyzed for: (TPH-G BTEX) TPH-D OTHER: (Circle) | |
| Duplicate I.D.: | Cleaning Blank I.D.: |
| Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle) | |

# CHEVRON WELL MONITORING DATA SHEET

| | |
|---|---|
| Project #: 960329-V-2 | Station #: 9-1851 |
| Sampler: Fred | Start Date: 3-29-96 |
| Well I.D.: MW-4 | Well Diameter: (circle one) (2) 3 4 6 ___ |
| Total Well Depth: Before 15.02 After | Depth to Water: Before 4.65 After |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Measurements referenced to: (PVC) Grade | Other: |

| Well Diameter | VCF | Well Diameter | VCF |
|---|---|---|---|
| 1" | 0.04 | 6" | 1.47 |
| 2" | 0.16 | 8" | 2.61 |
| 3" | 0.37 | 10" | 4.08 |
| 4" | 0.65 | 12" | 5.87 |
| 5" | 1.02 | 16" | 10.43 |

1.66 (1 Case Volume) x 3 (Specified Volumes) = 4.99 gallons

Purging: ~~Bailer~~ (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other ____

Sampling: ~~Bailer~~ (~~Disposable Bailer~~) Extraction Port Other ____

| TIME | TEMP. (F) | pH | COND. | TURBIDITY: | VOLUME REMOVED: | OBSERVATIONS: |
|---|---|---|---|---|---|---|
| 1342 | 66.4 | 7.4 | 2800 | >200 | 1.5 | |
| 1344 | 66.6 | 6.8 | 3,000 | >200 | 3.0 | |
| 1346 | 66.6 | 6.8 | 3000 | >200 | 5.0 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.0

| | |
|---|---|
| Sampling Time: 1356 | Sampling Date: 3-29-96 |
| Sample I.D.: MW-4 | Laboratory: SEQ |
| Analyzed for: (TPH-G BTEX) TPH-D OTHER: (Circle) | |
| Duplicate I.D.: | Cleaning Blank I.D.: |
| Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle) | |