CAMBRIA

August 23, 2000



Mr. Don Hwang
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Second Quarter 2000 Monitoring Report**
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
Incident #97093397
Cambria Project #242-0781-002

Dear Mr. Hwang:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

## SECOND QUARTER 2000 ACTIVITIES

***Groundwater Monitoring:*** Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells, calculated groundwater elevations and compiled the analytical data. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

***Subsurface Investigation Request:*** In order to address the issues brought forth in the Alameda County Health Care Services Agency (ACHCSA) correspondence dated March 15, 2000, Cambria submitted a response dated April 4, 2000. Upon ACHCSA approval of the additional proposed activities, Cambria will proceed with subsurface investigation at the site.

## ANTICIPATED THIRD QUARTER 2000 ACTIVITIES

***Groundwater Monitoring:*** Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report.

Oakland, CA
San Ramon, CA
Sonoma, CA
Portland, OR

**Cambria Environmental Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

**CLOSING**

We appreciate the opportunity to work with you on this project. Please call Troy Buggle at (510) 420-3333 if you have any questions or comments.

Sincerely,
**Cambria Environmental Technology, Inc**

Troy A. Buggle
Project Scientist

Stephan A. Bork, C.E.G., C.HG.
Associate Hydrogeologist

REGISTERED GEOLOGIST
STEPHAN A. BORK
No. EG 2058
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

Figure: 1 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Matthew Dudley, Burnham and Brown, 1901 Harrison Street, Oakland, California 94612
Rodney & Janet Kwan, 1834 Alameda Ave., Alameda, CA 94501

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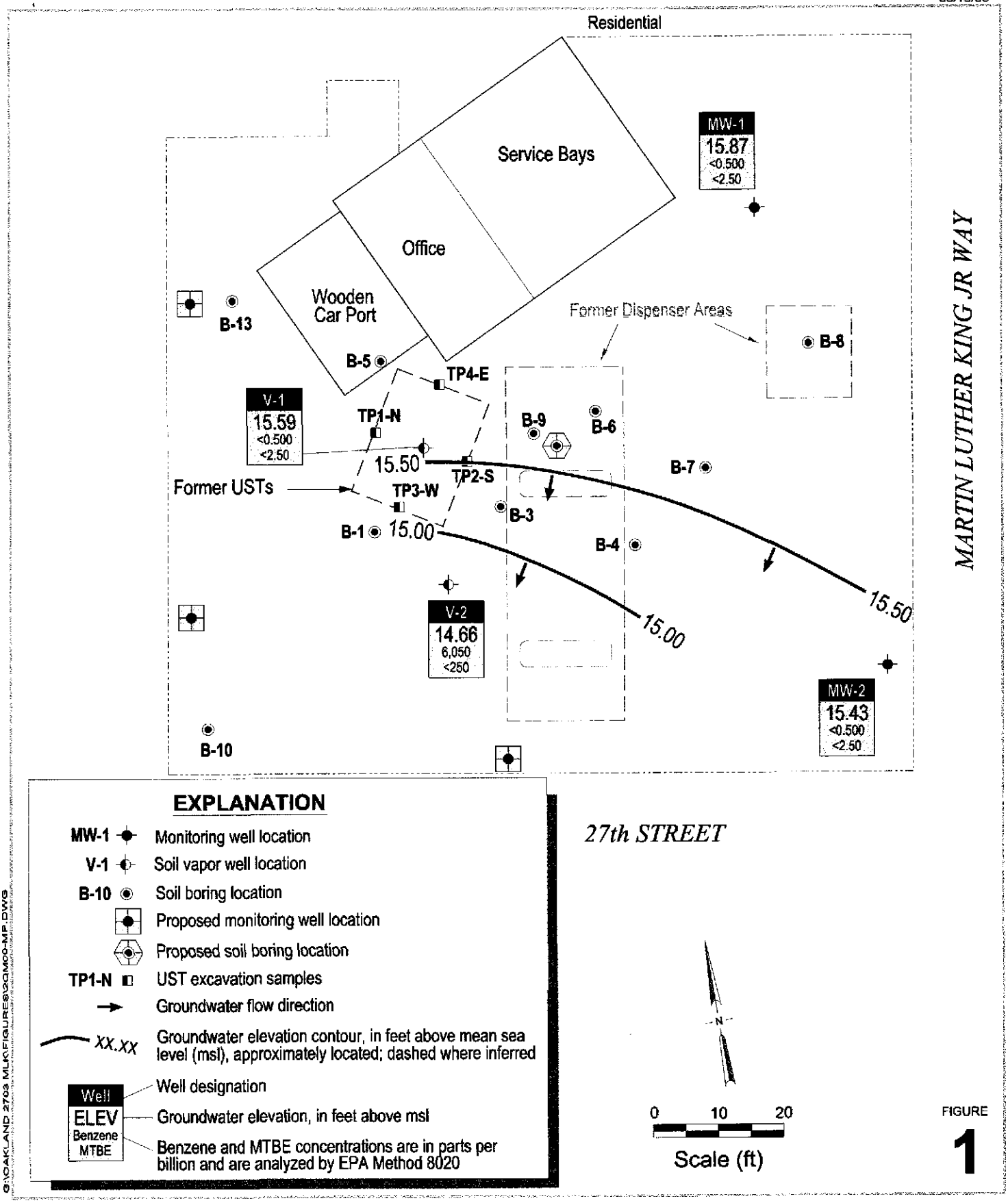


G:\OAKLAND 2703 MLK\FIGURES\2Q00-MP.DWG

FIGURE
1

**Former Shell Service Station**
2703 Martin Luther King, Jr. Way
Oakland, California
Incident #97093397

CAMBRIA

**Groundwater Elevation Contour Map**

April 18, 2000

# ATTACHMENT A

## Blaine Groundwater Monitoring Report and Field Notes

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

May 22, 2000

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

Second Quarter 2000 Groundwater Monitoring at
Shell-branded Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Monitoring performed on April 18, 2000

Groundwater Monitoring Report **000418-F-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. 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 purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on 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,

Deidre Kerwin
Operations Manager

DK/jt

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

# WELL CONCENTRATIONS
## Shell-branded Service Station
## 2703 Martin Luther King Way
## Oakland, CA
## Wic #204-5508-1701

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | TOC (MSL) | Depth to Water (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 (B-11) | 08/02/1996 | NA | NA | NA | NA | NA | NA | NA | 23.53 | NA | NA | NA |
| MW-1 (B-11) | 08/05/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 8.76 | 14.77 | NA |
| MW-1 (B-11) (D) | 08/05/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | NA | NA | NA |
| MW-1 (B-11) | 10/17/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 9.88 | 13.65 | NA |
| MW-1 (B-11) | 01/08/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 6.82 | 16.71 | NA |
| MW-1 (B-11) | 04/07/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 7.89 | 15.64 | NA |
| MW-1 (B-11) | 07/02/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 8.71 | 14.82 | NA |
| MW-1 (B-11) | 10/24/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 9.26 | 14.27 | NA |
| MW-1 (B-11) | 01/09/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 7.94 | 15.59 | NA |
| MW-1 (B-11) | 04/02/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 7.21 | 16.32 | NA |
| MW-1 (B-11) | 07/14/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 7.78 | 15.75 | NA |
| MW-1 (B-11) | 10/01/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 8.39 | 15.14 | NA |
| MW-1 (B-11) | 01/18/1999 | <50.0 | <0.500 | 0.785 | <0.500 | <0.500 | 2.36 | NA | 23.53 | 8.28 | 15.25 | NA |
| MW-1 (B-11) | 04/29/1999 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.53 | 8.41 | 15.12 | NA |
| MW-1 (B-11) | 08/23/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 23.53 | 8.17 | 15.36 | NA |
| MW-1 (B-11) | 10/06/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 23.53 | 9.37 | 14.16 | NA |
| MW-1 (B-11) | 01/27/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 23.53 | 7.52 | 16.01 | NA |
| MW-1 (B-11) | 04/18/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 2.66 | NA | 23.53 | 7.66 | 15.87 | NA |
| MW-2 (B-12)* | 07/17/1996 | <50 | <0.50 | 0.69 | <0.50 | <0.50 | <2.5 | NA | 22.47 | NA | NA | NA |
| MW-2 (B-12)* | 08/05/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 8.35 | 14.12 | NA |
| MW-2 (B-12)* | 10/17/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 9.32 | 13.15 | NA |
| MW-2 (B-12) (D)* | 10/17/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | NA | NA | NA |
| MW-2 (B-12)* | 01/08/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 6.80 | 15.67 | NA |
| MW-2 (B-12) (D)* | 01/08/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | NA | NA | NA |

# WELL CONCENTRATIONS
## Shell-branded Service Station
## 2703 Martin Luther King Way
## Oakland, CA
## Wic #204-5508-1701

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | TOC (MSL) | Depth to Water (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-2 (B-12)* | 04/07/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 7.81 | 14.66 | NA |
| MW-2 (B-12)* | 07/02/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 8.27 | 14.20 | NA |
| MW-2 (B-12)* | 10/24/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 9.12 | 13.35 | NA |
| MW-2 (B-12)* | 01/09/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 6.3 | NA | 22.47 | 7.41 | 15.06 | NA |
| MW-2 (B-12)* | 04/02/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 6.59 | 15.88 | NA |
| MW-2 (B-12)* | 07/14/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 7.49 | 14.98 | NA |
| MW-2 (B-12)* | 10/01/1998 | <50 | <0.50 | <0.50 | <0.50 | 0.59 | <2.5 | NA | 22.47 | 8.58 | 13.89 | NA |
| MW-2 (B-12)* | 01/18/1999 | <50.0 | <0.500 | 0.971 | <0.500 | <0.500 | 2.47 | NA | 22.47 | 8.68 | 13.79 | NA |
| MW-2 (B-12)* | 04/29/1999 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 22.47 | 8.62 | 13.85 | NA |
| MW-2 (B-12)* | 08/23/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 22.47 | 7.43 | 15.04 | NA |
| MW-2 (B-12)* | 10/06/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 22.47 | 9.00 | 13.47 | NA |
| MW-2 (B-12)* | 01/27/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 22.47 | 8.15 | 14.32 | NA |
| MW-2 (B-12)* | 04/18/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 22.47 | 7.04 | 15.43 | NA |
| B-10 * | 07/17/1996 | 20000 | 400 | <100 | <100 | 870 | <500 | NA | NA | NA | NA | NA |
| B-13* | 07/17/1996 | 290000 | 34000 | 21000 | 9900 | 47000 | <2500 | NA | NA | NA | NA | NA |
| V-1 | 08/02/1996 | NA | NA | NA | NA | NA | NA | NA | 23.26 | NA | NA | NA |
| V-1 | 08/05/1996 | NA | NA | NA | NA | NA | NA | NA | 23.26 | 8.58 | 14.68 | NA |
| V-1 | 10/17/1996 | NA | NA | NA | NA | NA | NA | NA | 23.26 | 10.02 | 13.24 | NA |
| V-1 | 01/16/1997 | 9500 | 1200 | 250 | 280 | 880 | <50 | NA | 23.26 | 5.55 | 17.71 | NA |
| V-1 | 04/07/1997 | 2200 | 42 | <5.0 | 130 | 15 | <25 | NA | 23.26 | 7.40 | 15.86 | NA |
| V-1 | 07/02/1997 | 2600 | 340 | 5.8 | 49 | 12 | 74 | <4.0 | 23.26 | 8.94 | 14.32 | NA |
| V-1 | 10/24/1997 | 57000 | 5200 | 2300 | 3600 | 16000 | 1900 | <200 | 23.26 | 9.43 | 13.83 | NA |
| V-1 | 01/09/1998 | 23000 | 2400 | 1700 | 1300 | 2300 | 310 | NA | 23.26 | 6.81 | 16.45 | NA |

# WELL CONCENTRATIONS
## Shell-branded Service Station
## 2703 Martin Luther King Way
## Oakland, CA
## Wic #204-5508-1701

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | TOC (MSL) | Depth to Water (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V-1 (D) | 01/09/1998 | 24000 | 2500 | 1800 | 1400 | 2400 | 450 | NA | 23.26 | NA | NA | NA |
| V-1 | 04/02/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.26 | 4.58 | 18.68 | NA |
| V-1 (D) | 04/02/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.26 | NA | NA | NA |
| V-1 | 07/14/1998 | 160 | 1.9 | <0.50 | 4.2 | <0.50 | 6.1 | NA | 23.26 | 7.51 | 15.75 | NA |
| V-1 | 10/01/1998 | 440 | 18 | <0.50 | 11 | 0.80 | 7.9 | NA | 23.26 | 8.49 | 14.77 | NA |
| V-1 | 01/18/1999 | 697 | 55.7 | 0.839 | 28.2 | <0.500 | 9.35 | NA | 23.26 | 8.59 | 14.67 | NA |
| V-1 | 04/29/1999 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 23.26 | 8.69 | 14.57 | NA |
| V-1 | 08/23/1999 | 457 | 33.4 | 3.59 | 16.3 | <0.500 | 13.9 | NA | 23.26 | 8.99 | 14.27 | NA |
| V-1 | 10/06/1999 | 714 | 53.7 | 0.740 | 8.69 | <0.500 | 9.83 | NA | 23.26 | 9.55 | 13.71 | NA |
| V-1 | 01/27/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 23.26 | 7.19 | 16.07 | NA |
| V-1 | 04/18/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 23.26 | 7.67 | 15.59 | NA |
| V-2 | 08/02/1996 | NA | NA | NA | NA | NA | NA | NA | 22.80 | NA | NA | NA |
| V-2 | 08/05/1996 | NA | NA | NA | NA | NA | NA | NA | 22.80 | 7.94 | 14.86 | NA |
| V-2 | 10/17/1996 | NA | NA | NA | NA | NA | NA | NA | 22.80 | 9.30 | 13.50 | NA |
| V-2 | 01/08/1997 | 69000 | 4800 | 2800 | 2700 | 13000 | 750 | NA | 22.80 | 5.82 | 16.98 | NA |
| V-2 | 04/07/1997 | 90000 | 4400 | 1900 | 3300 | 14000 | <500 | NA | 22.80 | 7.10 | 15.70 | NA |
| V-2 (D) | 04/07/1997 | 77000 | 4400 | 2000 | 3200 | 14000 | <250 | NA | 22.80 | NA | NA | NA |
| V-2 | 07/02/1997 | 82000 | 5500 | 2700 | 3500 | 16000 | 530 | <100 | 22.80 | 8.35 | 14.45 | NA |
| V-2 (D) | 07/02/1997 | 85000 | 5600 | 2800 | 3600 | 17000 | 520 | <100 | 22.80 | NA | NA | NA |
| V-2 | 10/24/1997 | 7300 | 1100 | 97 | 230 | 180 | 91 | <12 | 22.80 | 10.03 | 12.77 | NA |
| V-2 (D) | 10/24/1997 | 12000 | 1700 | 340 | 650 | 630 | 120 | <20 | 22.80 | NA | NA | NA |
| V-2 | 01/09/1998 | 40000 | 4100 | 1500 | 2500 | 9000 | 280 | NA | 22.80 | 6.94 | 15.86 | NA |
| V-2 | 04/02/1998 | 62000 | 6800 | 2400 | 3400 | 14000 | <250 | NA | 22.80 | 5.35 | 17.45 | NA |
| V-2 | 07/14/1998 | 43000 | 4700 | 1100 | 2500 | 6600 | <250 | NA | 22.80 | 6.48 | 16.32 | NA |
| V-2 (D) | 07/14/1998 | 48000 | 5100 | 1300 | 2600 | 8100 | <250 | NA | 22.80 | NA | NA | NA |

# WELL CONCENTRATIONS
## Shell-branded Service Station
## 2703 Martin Luther King Way
## Oakland, CA
## Wic #204-5508-1701

| Well ID | Date | TPPH (ug/L) | B (ug/L) | T (ug/L) | E (ug/L) | X (ug/L) | MTBE 8020 (ug/L) | MTBE 8260 (ug/L) | TOC (MSL) | Depth to Water (ft.) | GW Elevation (MSL) | SPH Thickness (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V-2 | 10/01/1998 | 53000 | 5200 | 1800 | 3200 | 10000 | 83 | NA | 22.80 | 8.41 | 14.39 | NA |
| V-2 (D) | 10/01/1998 | 55000 | 5300 | 1900 | 3300 | 11000 | 65 | NA | 22.80 | NA | NA | NA |
| V-2 | 01/18/1999 | 47100 | 5800 | 1960 | 3450 | 10200 | <100 | NA | 22.80 | 8.29 | 14.51 | NA |
| V-2 | 04/29/1999 | 65000 | 6100 | 2800 | 3200 | 12000 | 540 | NA | 22.80 | 8.19 | 14.61 | NA |
| V-2 | 08/23/1999 | 59600 | 6240 | 2190 | 3900 | 14700 | 390 | NA | 22.80 | 8.44 | 14.36 | NA |
| V-2 | 10/06/1999 | 63800 | 4820 | 1860 | 2840 | 11100 | <1000 | NA | 22.80 | 8.96 | 13.84 | NA |
| V-2 | 01/27/2000 | 59600 | 10200 | 2840 | 3450 | 12100 | <500 | NA | 22.80 | 7.57 | 15.23 | NA |
| V-2 | 04/18/2000 | 45000 | 6050 | 2700 | 3340 | 12200 | <250 | NA | 22.80 | 8.14 | 14.66 | NA |

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

* = Water sample from Boring

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

May 2, 2000

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: Shell

Dear Nick Sudano

Enclosed are the results of analyses for sample(s) received by the laboratory on April 19, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ted Terrasas
Project Manager

CA ELAP Certificate Number 1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | | | |
|---|---|---|---|---|
| Blaine Tech Services (Shell) | Project: | Shell | Sampled: | 4/18/00 |
| 1680 Rogers Avenue | Project Number: | 2703 MLK Jr Way | Received: | 4/19/00 |
| San Jose, CA 95112 | Project Manager: | Nick Sudano | Reported: | 5/2/00 15:59 |

## ANALYTICAL REPORT FOR SAMPLES:

| Sample Description | Laboratory Sample Number | Sample Matrix | Date Sampled |
|---|---|---|---|
| MW-1 | MJD0591-01 | Water | 4/18/00 |
| MW-2 | MJD0591-02 | Water | 4/18/00 |
| V-1 | MJD0591-03 | Water | 4/18/00 |
| V-2 | MJD0591-04 | Water | 4/18/00 |

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.*

Ted Terrasas, Project Manager

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | | |
|---|---|---|---|
| Blaine Tech Services (Shell) | Project: | Shell | Sampled: 4/18/00 |
| 1680 Rogers Avenue | Project Number: | 2703 MLK Jr Way | Received: 4/19/00 |
| San Jose, CA 95112 | Project Manager: | Nick Sudano | Reported: 5/2/00 15:59 |

## 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** | | | **MJD0591-01** | | | | **Water** | |
| Purgeable Hydrocarbons | 0D26001 | 4/26/00 | 4/26/00 | 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* | | *101* | % | |
| **MW-2** | | | **MJD0591-02** | | | | **Water** | |
| Purgeable Hydrocarbons | 0D26001 | 4/26/00 | 4/26/00 | 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* | | *105* | % | |
| **V-1** | | | **MJD0591-03** | | | | **Water** | |
| Purgeable Hydrocarbons | 0D26003 | 4/26/00 | 4/26/00 | 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* | | *106* | % | |
| **V-2** | | | **MJD0591-04** | | | | **Water** | |
| **Purgeable Hydrocarbons** | 0D26001 | 4/26/00 | 4/26/00 | DHS LUFT | 5000 | **45000** | ug/l | P-01 |
| **Benzene** | " | " | " | DHS LUFT | 50.0 | **6050** | " | |
| **Toluene** | " | " | " | DHS LUFT | 50.0 | **2700** | " | |
| **Ethylbenzene** | " | " | " | DHS LUFT | 50.0 | **3340** | " | |
| **Xylenes (total)** | " | " | " | DHS LUFT | 50.0 | **12200** | " | |
| Methyl tert-butyl ether | " | " | " | DHS LUFT | 250 | ND | " | |
| *Surrogate: a,a,a-Trifluorotoluene* | " | " | " | *70-130* | | *98.9* | % | |

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

| | | | |
|---|---|---|---|
| Blaine Tech Services (Shell) | Project: | Shell | Sampled: 4/18/00 |
| 1680 Rogers Avenue | Project Number: | 2703 MLK Jr Way | Received: 4/19/00 |
| San Jose, CA 95112 | Project Manager: | Nick Sudano | Reported: 5/2/00 15:59 |

## 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: 0D26001** | **Date Prepared: 4/26/00** | | | | | **Extraction Method: EPA 5030B [P/T]** | | | | |
| **Blank** | **0D26001-BLK1** | | | | | | | | | |
| Purgeable Hydrocarbons | 4/26/00 | | | **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* | | *9.96* | " | *70-130* | *99.6* | | | |
| **LCS** | **0D26001-BS1** | | | | | | | | | |
| Benzene | 4/26/00 | 10.0 | | 10.6 | ug/l | 70-130 | 106 | | | |
| Toluene | " | 10.0 | | 10.4 | " | 70-130 | 104 | | | |
| Ethylbenzene | " | 10.0 | | 10.4 | " | 70-130 | 104 | | | |
| Xylenes (total) | " | 30.0 | | 31.6 | " | 70-130 | 105 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | " | *10.0* | | *10.3* | " | *70-130* | *103* | | | |
| **Matrix Spike** | **0D26001-MS1** | | **MJD0591-01** | | | | | | | |
| Benzene | 4/26/00 | 10.0 | ND | 10.5 | ug/l | 60-140 | **105** | | | |
| Toluene | " | 10.0 | ND | 10.4 | " | 60-140 | **104** | | | |
| Ethylbenzene | " | 10.0 | ND | 10.2 | " | 60-140 | **102** | | | |
| Xylenes (total) | " | 30.0 | ND | 31.1 | " | *60-140* | **104** | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | " | *10.0* | | *10.2* | " | *70-130* | *102* | | | |
| **Matrix Spike Dup** | **0D26001-MSD1** | | **MJD0591-01** | | | | | | | |
| Benzene | 4/26/00 | 10.0 | ND | 10.6 | ug/l | 60-140 | **106** | 25 | **0.948** | |
| Toluene | " | 10.0 | ND | 10.5 | " | 60-140 | **105** | 25 | **0.957** | |
| Ethylbenzene | " | 10.0 | ND | 10.4 | " | 60-140 | **104** | 25 | **1.94** | |
| Xylenes (total) | " | 30.0 | ND | 31.6 | " | 60-140 | **105** | 25 | **1.59** | |
| *Surrogate: a,a,a-Trifluorotoluene* | " | *10.0* | | *10.0* | " | *70-130* | *100* | | | |
| **Batch: 0D26003** | **Date Prepared: 4/26/00** | | | | | **Extraction Method: EPA 5030B [P/T]** | | | | |
| **Blank** | **0D26003-BLK1** | | | | | | | | | |
| Purgeable Hydrocarbons | 4/26/00 | | | **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** | | | | |

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| | | | |
|---|---|---|---|
| Blaine Tech Services (Shell) | Project: | Shell | Sampled: 4/18/00 |
| 1680 Rogers Avenue | Project Number: | 2703 MLK Jr Way | Received: 4/19/00 |
| San Jose, CA 95112 | Project Manager: | Nick Sudano | Reported: 5/2/00 15:59 |

**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* |
|---|---|---|---|---|---|---|---|---|---|---|
| **Blank (continued)** | **0D26003-BLK1** | | | | | | | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | *4/26/00* | *10.0* | | *10.7* | *ug/l* | *70-130* | *107* | | | |
| **LCS** | **0D26003-BS1** | | | | | | | | | |
| Benzene | 4/26/00 | 10.0 | | 11.3 | ug/l | 70-130 | 113 | | | |
| Toluene | " | 10.0 | | 10.00 | " | 70-130 | 100 | | | |
| Ethylbenzene | " | 10.0 | | 9.24 | " | 70-130 | 92.4 | | | |
| Xylenes (total) | " | 30.0 | | 27.9 | " | 70-130 | 93.0 | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | " | *10.0* | | *10.7* | " | *70-130* | *107* | | | |
| **Matrix Spike** | **0D26003-MS1** | | **MJD0582-01** | | | | | | | |
| Benzene | 4/26/00 | 10.0 | ND | 11.0 | ug/l | 60-140 | **110** | | | |
| Toluene | " | 10.0 | ND | 9.83 | " | 60-140 | **98.3** | | | |
| Ethylbenzene | " | 10.0 | ND | 9.20 | " | 60-140 | **92.0** | | | |
| Xylenes (total) | " | 30.0 | ND | 27.6 | " | 60-140 | **92.0** | | | |
| *Surrogate: a,a,a-Trifluorotoluene* | " | *10.0* | | *10.4* | " | *70-130* | *104* | | | |
| **Matrix Spike Dup** | **0D26003-MSD1** | | **MJD0582-01** | | | | | | | |
| Benzene | 4/26/00 | 10.0 | ND | 11.3 | ug/l | 60-140 | **113** | 25 | **2.69** | |
| Toluene | " | 10.0 | ND | 10.1 | " | 60-140 | **101** | 25 | **2.71** | |
| Ethylbenzene | " | 10.0 | ND | 9.36 | " | 60-140 | **93.6** | 25 | **1.72** | |
| Xylenes (total) | " | 30.0 | ND | 28.2 | " | 60-140 | **94.0** | 25 | **2.15** | |
| *Surrogate: a,a,a-Trifluorotoluene* | " | *10.0* | | *10.5* | " | *70-130* | *105* | | | |

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| | | | |
|---|---|---|---|
| Blaine Tech Services (Shell) | Project: | Shell | Sampled: 4/18/00 |
| 1680 Rogers Avenue | Project Number: | 2703 MLK Jr Way | Received: 4/19/00 |
| San Jose, CA 95112 | Project Manager: | Nick Sudano | Reported: 5/2/00 15:59 |

## Notes and Definitions

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

# BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF 000418 F1

CLIENT: Equiva - Karen Petryna

SITE: 2703 Martin Luther King JR Way

Oakland, CA

LAB: Sequoia | DHS #

ALL ANALYSIS MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

MJ10591

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 97093397

Sent report to Blaine Tech Services, Inc.

ATTN: Ann Pember

| SAMPLE I.D. | DATE | TIME | MATRIX S=SOIL W=H2O | CONTAINERS TOTAL | 40 ml HCl VOAs | C = COMPOSITE ALL CONTAINERS | CONDUCT ANALYSIS TO DETECT: TPH - gas, BTEX | MTBE by 8020 | MTBE by 8260 | TPH - diesel | Oxygenates by 8260 | ADD'L INFORMATION | STATUS | CONDITION | LAB SAMPLE # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 4-18-00 | 1020 | W | 3 | X | | X | X | | | | | | | 1 |
| MW-2 | ↓ | 1035 | X | X | X | | X | X | | | | | | | 2 |
| V-1 | | 1045 | X | X | X | | X | X | | | | | | | 3 |
| V-2 | ↓ | 1055 | X | X | X | | X | X | | | | | | | 4 |

SAMPLING COMPLETED: DATE 4-18-00 TIME 1055

SAMPLING PERFORMED BY: MIKE STEWART

RESULTS NEEDED NO LATER THAN

| RELEASED BY | DATE | TIME | RECEIVED BY | DATE | TIME |
|---|---|---|---|---|---|
| | 4/19/00 | 9:25 | | 4/19/00 | 9:25 |
| | 4/19/00 | | BN | 4/19/00 | 12:56 |
| | | | | | |

| SHIPPED VIA | DATE SENT | TIME SENT | COOLER # |
|---|---|---|---|
| | | | |

# WELL GAUGING DATA

Project # 000418 f1 Date 4-18-00 Client Equiva

Site 2703 Martin Luther King Jr. Way, OAKLAND, Ca.

| Well ID | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Thickness of Immiscible Liquid (ft.) | Volume of Immiscibles Removed (ml) | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOC | |
|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 2 | | | | | 7.66 | 20.01 | | |
| MW-2 | 2 | | | | | 7.04 | 19.35 | | |
| V-1 | 2 | | | | | 7.67 | 12.75 | | |
| V-2 | 2 | | | | | 8.14 | 12.95 | | |

# EQUIVA WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 000418 F1 | Site: 204-5508-1701 |
| Sampler: MIKE S. | Date: 4-18-00 |
| Well I.D.: MW-1 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth: 20.01 | Depth to Water: 7.66 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) 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: _____

| Well Diameter | Multiplier | Well Diameter | Multiplier |
|---|---|---|---|
| 1" | 0.04 | 4" | 0.65 |
| 2" | 0.16 | 6" | 1.47 |
| 3" | 0.37 | Other | radius² * 0.163 |

___(Gals.) X ___ = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

| Time | Temp (°F) | pH | Cond. | Turbidity | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1020 | 66.9 | 6.8 | 1265 | 20 | ~~0~~ | clear |
| | | | | | | |
| | | (NO PURGE) | | | | |
| | | | | | | |
| | | | | | | |

| | | | |
|---|---|---|---|
| Did well dewater? Yes (No) | | Gallons actually evacuated: ~~0~~ | |
| Sampling Time: 1020 | | Sampling Date: 4-18-00 | |
| Sample I.D.: MW-1 | | Laboratory: (Sequoia) Columbia 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 |

# EQUIVA WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 000418 F1 | Site: 704 - 5608 - 1701 |
| Sampler: MIKE S. | Date: 4-18-00 |
| Well I.D.: MW-2 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth: 19.35 | Depth to Water: 7.04 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) 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: _____

_____(Gals.) X _____ = _____ 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 | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. | Turbidity | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1035 | 65.7 | 6.8 | 1223 | 75 | 8 | |
| | | (NO Purge) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 8

Sampling Time: 1035 Sampling Date: 4-18-00

Sample I.D.: MW-2 Laboratory: (Sequoia) Columbia 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 |

# EQUIVA WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 000418 f1 | Site: 204-5508-1701 |
| Sampler: Mike S. | Date: 4-18-00 |
| Well I.D.: [redacted] V-1 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth: 12.75 | Depth to Water: 7.67 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) 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: _____

_____(Gals.) X _____ = _____ 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. | Turbidity | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1045 | 65.9 | 6.7 | 1458 | 83 | 0 | |
| | | | (NO PURGE) | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 0

Sampling Time: 1045 Sampling Date: 4-18-00

Sample I.D.: [redacted] V-1 Laboratory: (Sequoia) Columbia 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 |

# EQUIVA WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 000418 F1 | Site: 204-5508-1701 |
| Sampler: MIKE S. | Date: 4-18-00 |
| Well I.D.: V-2 | Well Diameter: (2) 3 4 6 8 ____ |
| Total Well Depth: 12.95 | Depth to Water: 8.14 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |

Purge Method:

- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:

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

_____(Gals.) X _____ = _____ 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 | radius² * 0.163 |

| Time | Temp (°F) | pH | Cond. | Turbidity | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1055 | 67.4 | 6.8 | 1330 | 40 | X | odor/clear |
| | | (No Purge) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: X

Sampling Time: 10:55 Sampling Date: 4-18-00

Sample I.D.: V-2 Laboratory: (Sequoia) Columbia 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 |