CAMBRIA

September 27, 2002

Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Third Quarter 2002 Monitoring Report**
Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840
Cambria Project #244-0523-002



Dear Mr. Seery:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

## THIRD QUARTER 2002 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 site vicinity map (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

## ANTICIPATED FOURTH QUARTER 2002 ACTIVITIES

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

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria Environmental Technology, Inc.**

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

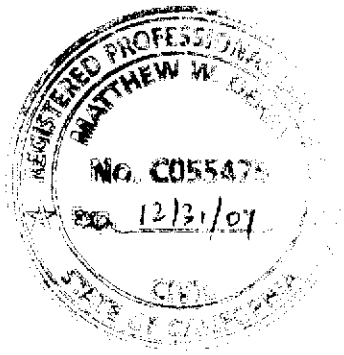
**CLOSING**

We appreciate the opportunity to work with you on this project. Please call Matt Derby at (510) 420-3332 if you have any questions or comments.

Sincerely,
**Cambria Environmental Technology, Inc**

Anni Kreml
Senior Staff Scientist

Matthew W. Derby, P.E.
Senior Project Engineer




Figures: 1 - Vicinity Map
2 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, CA 91510-7869
Douglas E & Mary M Safreno, 1627 Vineyard Avenue, Pleasanton, CA 94566-6389

G:\Pleasanton 4226 First\Qm\3q02\3q02qm.doc

04/19/00

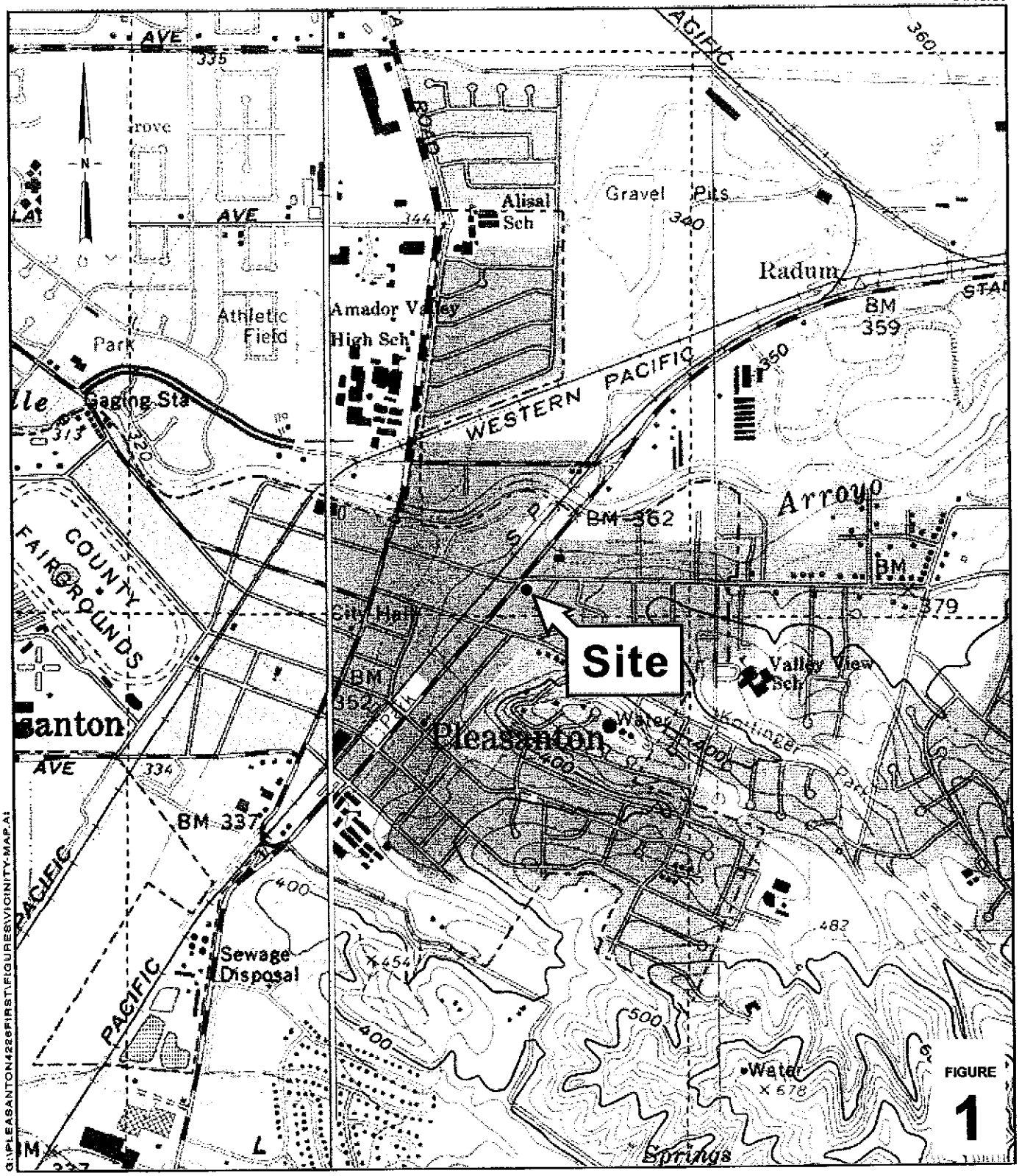



FIGURE 1

**Shell-branded Service Station**
4226 First Street
Pleasanton, California
Incident #98995840

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**Vicinity Map**

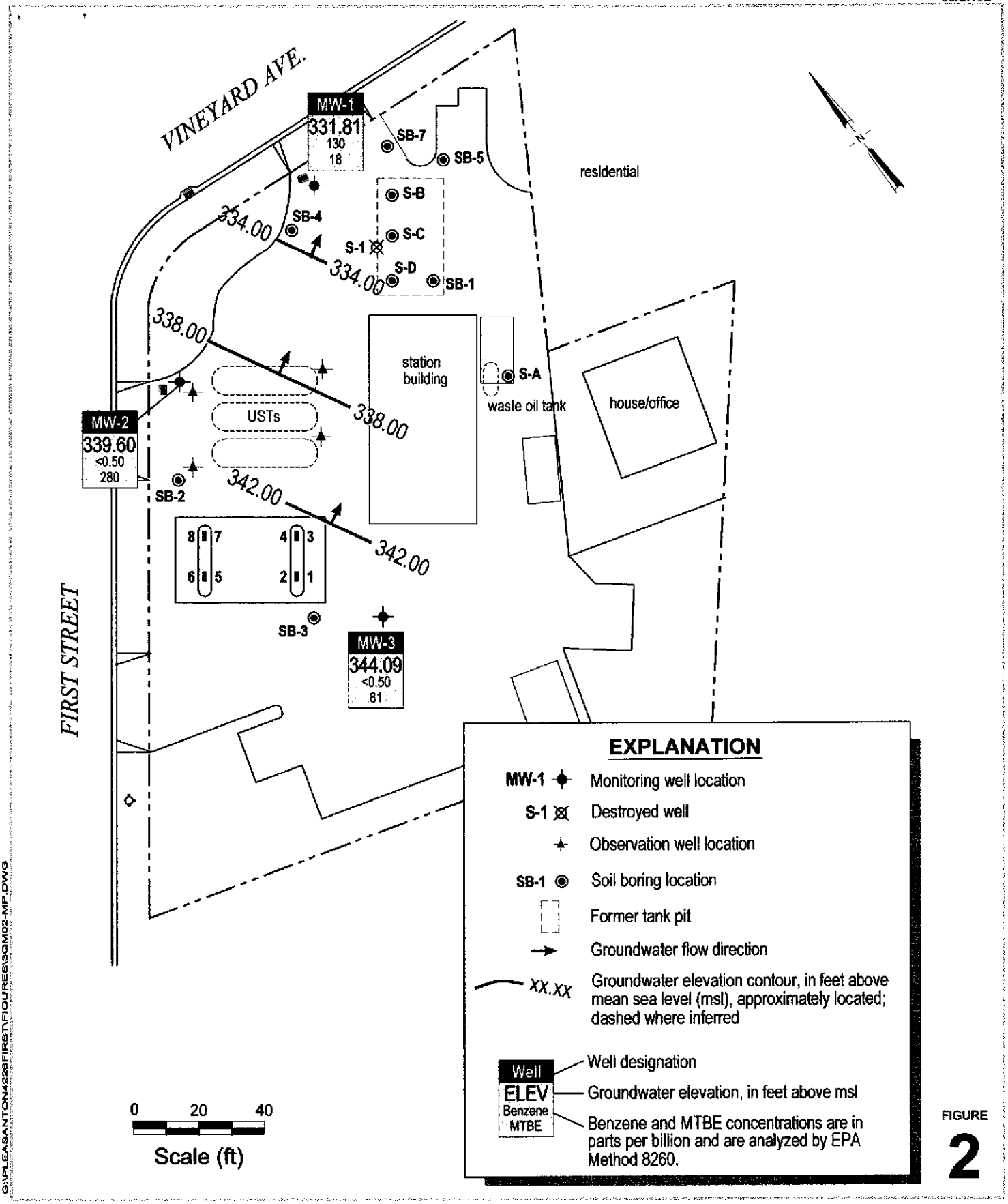


FIGURE
**2**

G:\PLEASANTON4226FIRST\FIGURES\3QM02-MP.DWG

**Shell-branded Service Station**
4226 First Street
Pleasanton, California
Incident #98995840

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**Groundwater Elevation Contour Map**

July 25, 2002

# 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

August 19, 2002

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Third Quarter 2002 Groundwater Monitoring at
Shell-branded Service Station
4226 First Street
Pleasanton, CA

Monitoring performed on July 25, 2002

Groundwater Monitoring Report **020725-BA-2**

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. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/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
## 4226 First Street
## Pleasanton, CA

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 06/16/1999 | NA | NA | NA | NA | NA | NA | NA | 371.20 | 37.81 | 333.39 |
| MW-1 | 06/30/1999 | 89.0 | 5.89 | <0.500 | <0.500 | 0.652 | <5.00 | NA | 371.20 | 33.65 | 337.55 |
| MW-1 | 09/24/1999 | 1,560 | 473 | <10.0 | <10.0 | 22.8 | <2.50 | NA | 371.20 | 37.04 | 334.16 |
| MW-1 | 12/08/1999 | 1,020 | 375 | <5.00 | <5.00 | 15.2 | <50.0 | NA | 371.20 | 36.79 | 334.41 |
| MW-1 | 02/10/2000 | 523 | 106 | <5.00 | <5.00 | 31.8 | 2.90 | NA | 371.20 | 34.90 | 336.30 |
| MW-1 | 05/17/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 37.0 | 29.5 | 371.20 | 32.55 | 338.65 |
| MW-1 | 08/03/2000 | 808 | 290 | <2.50 | <2.50 | 8.90 | <12.5 | NA | 371.20 | 39.13 | 332.07 |
| MW-1 | 10/31/2000 | 507 | 250 | 0.962 | <0.500 | 23.5 | 3.76 | NA | 371.20 | 37.91 | 333.29 |
| MW-1 | 03/01/2001 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 74.6 | NA | 371.20 | 39.60 | 331.60 |
| MW-1 | 05/30/2001 | 780 | 280 | <2.0 | <2.0 | 11 | NA | <2.0 | 371.20 | 39.53 | 331.67 |
| MW-1 | 08/02/2001 | 1,900 | 580 | <2.5 | <2.5 | 12 | NA | <25 | 371.20 | 39.61 | 331.59 |
| MW-1 | 12/06/2001 | 840 | 190 | <0.50 | <0.50 | 13 | NA | <5.0 | 371.20 | 39.63 | 331.57 |
| MW-1 | 02/05/2002 | 2,700 | 650 | <2.5 | <2.5 | 7.2 | NA | <25 | 371.20 | 35.53 | 335.67 |
| MW-1 | 06/17/2002 | 2,500 | 550 | <2.0 | <2.0 | 5.9 | NA | <20 | 371.20 | 39.29 | 331.91 |
| **MW-1** | **07/25/2002** | **690** | **130** | **<0.50** | **<0.50** | **4.4** | **NA** | **18** | **371.20** | **39.39** | **331.81** |
| MW-2 | 02/03/2000 | NA | NA | NA | NA | NA | NA | NA | 372.40 | 32.65 | 339.75 |
| MW-2 | 02/07/2000 | NA | NA | NA | NA | NA | NA | NA | 372.40 | 35.51 | 336.89 |
| MW-2 | 02/10/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 2.61 | NA | 372.40 | 36.62 | 335.78 |
| MW-2 | 05/17/2000 | 120 | 4.09 | <0.500 | <0.500 | <0.500 | 29.0 | NA | 372.40 | 32.14 | 340.26 |
| MW-2 | 08/03/2000 | <50.0 | 0.692 | <0.500 | <0.500 | <0.500 | 40.5 | 36.6b | 372.40 | 32.42 | 339.98 |
| MW-2 | 10/31/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 57.4 | 44.8c | 372.40 | 33.02 | 339.38 |
| MW-2 | 03/01/2001 | 173 | 1.64 | 1.65 | 2.86 | 3.97 | 127 | 167 | 372.40 | 32.54 | 339.86 |
| MW-2 | 05/30/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 170 | 372.40 | 32.42 | 339.98 |
| MW-2 | 08/02/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 160 | 372.40 | 32.55 | 339.85 |
| MW-2 | 12/06/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 170 | 372.40 | 33.15 | 339.25 |
| MW-2 | 02/05/2002 | <50 | 0.72 | <0.50 | <0.50 | 1.7 | NA | 170 | 372.40 | 32.29 | 340.11 |
| MW-2 | 06/17/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 260 | 372.40 | 32.63 | 339.77 |
| **MW-2** | **07/25/2002** | **<50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **NA** | **280** | **372.40** | **32.80** | **339.60** |

# WELL CONCENTRATIONS
## Shell-branded Service Station
## 4226 First Street
## Pleasanton, CA

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-3 | 02/03/2000 | NA | NA | NA | NA | NA | NA | NA | 375.05 | 32.06 | 342.99 |
| MW-3 | 02/07/2000 | NA | NA | NA | NA | NA | NA | NA | 375.05 | 32.57 | 342.48 |
| MW-3 | 02/10/2000 | 180 | 5.12 | <0.500 | <0.500 | 0.714 | 26.8 | 21.5a | 375.05 | 32.77 | 342.28 |
| MW-3 | 05/17/2000 | 1,360 | 414 | <5.00 | <5.00 | 17.6 | <25.0 | NA | 375.05 | 31.00 | 344.05 |
| MW-3 | 08/03/2000 | <50.0 | 0.536 | <0.500 | <0.500 | <0.500 | 22.0 | NA | 375.05 | 31.03 | 344.02 |
| MW-3 | 10/31/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 31.1 | NA | 375.05 | 31.28 | 343.77 |
| MW-3 | 03/01/2001 | 384 | 172 | 0.815 | <0.500 | 8.00 | 5.16 | NA | 375.05 | 31.21 | 343.84 |
| MW-3 | 05/30/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 110 | 375.05 | 31.02 | 344.03 |
| MW-3 | 08/02/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 93 | 375.05 | 30.94 | 344.11 |
| MW-3 | 12/06/2001 | 110 | <0.50 | <0.50 | <0.50 | 2.3 | NA | 180 | 375.05 | 31.28 | 343.77 |
| MW-3 | 02/05/2002 | <50 | 0.89 | 0.60 | <0.50 | 2.1 | NA | 130 | 375.05 | 31.12 | 343.93 |
| MW-3 | 06/17/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 72 | 375.05 | 31.21 | 343.84 |
| **MW-3** | **07/25/2002** | **<50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **NA** | **81** | **375.05** | **30.96** | **344.09** |

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 30, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 30, 2001, analyzed by EPA Method 8020.
MTBE = Methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft = Feet
<n = Below detection limit
NA = Not applicable

# WELL CONCENTRATIONS
## Shell-branded Service Station
## 4226 First Street
## Pleasanton, CA

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|

Notes:

Well MW-1 surveyed on May 4, 1999, by Virgil Chavez Land Surveying of Vallejo, California.

Site surveyed on March 19, 2000, by Virgil Chavez Land Surveying of Vallejo, California.

a = Sample was analyzed outside of the EPA recommended holding time.

b = Concentration is an estimate value above the linear quantitation range.

c = The result reported was generated out of time. The sample was originally run within hold time, but needed to be re-analyzed.

KIFF ANALYTICAL LLC

Report Number : 27700
Date : 8/4/2002

Leon Gearhart
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 3 Water Samples
Project Name : 4226 First Street, Pleasanton
Project Number : 020725-BA2
P.O. Number : 98995840

Dear Mr. Gearhart,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 27700
Date : 8/4/2002

Project Name : **4226 First Street, Pleasanton**
Project Number : **020725-BA2**

Sample : **MW-1** Matrix : Water Lab Number : 27700-01
Sample Date :7/25/2002

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **130** | 0.50 | ug/L | EPA 8260B | 8/2/2002 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 8/2/2002 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 8/2/2002 |
| **Total Xylenes** | **4.4** | 0.50 | ug/L | EPA 8260B | 8/2/2002 |
| **Methyl-t-butyl ether (MTBE)** | **18** | 5.0 | ug/L | EPA 8260B | 8/2/2002 |
| **TPH as Gasoline** | **690** | 50 | ug/L | EPA 8260B | 8/2/2002 |
| Toluene - d8 (Surr) | 98.2 | | % Recovery | EPA 8260B | 8/2/2002 |
| 4-Bromofluorobenzene (Surr) | 99.0 | | % Recovery | EPA 8260B | 8/2/2002 |

Sample : **MW-2** Matrix : Water Lab Number : 27700-02
Sample Date :7/25/2002

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| **Methyl-t-butyl ether (MTBE)** | **280** | 5.0 | ug/L | EPA 8260B | 7/30/2002 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/30/2002 |
| Toluene - d8 (Surr) | 87.9 | | % Recovery | EPA 8260B | 7/30/2002 |
| 4-Bromofluorobenzene (Surr) | 98.5 | | % Recovery | EPA 8260B | 7/30/2002 |

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 27700
Date : 8/4/2002

Project Name : **4226 First Street, Pleasanton**
Project Number : **020725-BA2**

Sample : **MW-3** Matrix : Water Lab Number : 27700-03
Sample Date :7/25/2002

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| **Benzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| **Toluene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| **Ethylbenzene** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| **Total Xylenes** | **< 0.50** | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| **Methyl-t-butyl ether (MTBE)** | **81** | 5.0 | ug/L | EPA 8260B | 7/30/2002 |
| **TPH as Gasoline** | **< 50** | 50 | ug/L | EPA 8260B | 7/30/2002 |
| Toluene - d8 (Surr) | 92.9 | | % Recovery | EPA 8260B | 7/30/2002 |
| 4-Bromofluorobenzene (Surr) | 99.4 | | % Recovery | EPA 8260B | 7/30/2002 |

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 27700

Date : 8/4/2002

**QC Report : Method Blank Data**

Project Name : **4226 First Street, Pleasanton**

Project Number : **020725-BA2**

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| Methyl-t-butyl ether (MTBE) | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/30/2002 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 7/30/2002 |
| Toluene - d8 (Surr) | 99.2 | | % | EPA 8260B | 7/30/2002 |
| 4-Bromofluorobenzene (Surr) | 104 | | % | EPA 8260B | 7/30/2002 |
| Benzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| Toluene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| Ethylbenzene | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| Total Xylenes | < 0.50 | 0.50 | ug/L | EPA 8260B | 7/30/2002 |
| Methyl-t-butyl ether (MTBE) | < 5.0 | 5.0 | ug/L | EPA 8260B | 7/30/2002 |
| TPH as Gasoline | < 50 | 50 | ug/L | EPA 8260B | 7/30/2002 |
| Toluene - d8 (Surr) | 82.2 | | % | EPA 8260B | 7/30/2002 |
| 4-Bromofluorobenzene (Surr) | 98.0 | | % | EPA 8260B | 7/30/2002 |

| Parameter | Measured Value | Method Reporting Limit | Units | Analysis Method | Date Analyzed |
|---|---|---|---|---|---|

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 27700

**QC Report : Matrix Spike/ Matrix Spike Duplicate**

Date : 8/4/2002

Project Name : **4226 First Street,**

Project Number : **020725-BA2**

| Parameter | Spiked Sample | Sample Value | Spike Level | Spike Dup. Level | Spiked Sample Value | Duplicate Spiked Sample Value | Units | Analysis Method | Date Analyzed | Spiked Sample Percent Recov. | Duplicate Spiked Sample Percent Recov. | Relative Percent Diff. | Spiked Sample Percent Recov. Limit | Relative Percent Diff. Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 27641-04 | <0.50 | 19.9 | 19.9 | 19.5 | 18.7 | ug/L | EPA 8260B | 7/29/02 | 97.8 | 93.6 | 4.39 | 70-130 | 25 |
| Toluene | 27641-04 | <0.50 | 19.9 | 19.9 | 19.4 | 18.5 | ug/L | EPA 8260B | 7/29/02 | 97.6 | 92.8 | 5.02 | 70-130 | 25 |
| Tert-Butanol | 27641-04 | <5.0 | 99.6 | 99.7 | 105 | 102 | ug/L | EPA 8260B | 7/29/02 | 105 | 102 | 2.93 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 27641-04 | 8.1 | 19.9 | 19.9 | 31.2 | 30.7 | ug/L | EPA 8260B | 7/29/02 | 116 | 114 | 2.14 | 70-130 | 25 |
| Benzene | 27700-02 | <0.50 | 40.0 | 40.0 | 43.6 | 40.7 | ug/L | EPA 8260B | 7/30/02 | 109 | 102 | 6.88 | 70-130 | 25 |
| Toluene | 27700-02 | <0.50 | 40.0 | 40.0 | 37.8 | 32.5 | ug/L | EPA 8260B | 7/30/02 | 94.6 | 81.2 | 15.2 | 70-130 | 25 |
| Tert-Butanol | 27700-02 | <5.0 | 200 | 200 | 209 | 204 | ug/L | EPA 8260B | 7/30/02 | 105 | 102 | 2.65 | 70-130 | 25 |
| Methyl-t-Butyl Ether | 27700-02 | 280 | 40.0 | 40.0 | 313 | 310 | ug/L | EPA 8260B | 7/30/02 | 83.7 | 75.8 | 9.84 | 70-130 | 25 |

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 27700

**QC Report : Laboratory Control Sample (LCS)**

Date : 8/4/2002

Project Name : **4226 First Street,**

Project Number : **020725-BA2**

| Parameter | Spike Level | Units | Analysis Method | Date Analyzed | LCS Percent Recov. | LCS Percent Recov. Limit |
|---|---|---|---|---|---|---|
| Benzene | 20.0 | ug/L | EPA 8260B | 7/29/02 | 89.2 | 70-130 |
| Toluene | 20.0 | ug/L | EPA 8260B | 7/29/02 | 89.3 | 70-130 |
| Tert-Butanol | 100 | ug/L | EPA 8260B | 7/29/02 | 99.3 | 70-130 |
| Methyl-t-Butyl Ether | 20.0 | ug/L | EPA 8260B | 7/29/02 | 100 | 70-130 |
| | | | | | | |
| Benzene | 40.0 | ug/L | EPA 8260B | 7/30/02 | 108 | 70-130 |
| Toluene | 40.0 | ug/L | EPA 8260B | 7/30/02 | 88.5 | 70-130 |
| Tert-Butanol | 200 | ug/L | EPA 8260B | 7/30/02 | 97.3 | 70-130 |
| Methyl-t-Butyl Ether | 40.0 | ug/L | EPA 8260B | 7/30/02 | 106 | 70-130 |

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By: Joel Kiff

LAB: KIFF

# SHELL Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

**Shell Project Manager to be invoiced:** Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

27700

INCIDENT NUMBER (S&E ONLY): 98995840

SAP or CRMT NUMBER (TS/CRMT):

DATE: 7/25/02

PAGE: 1 of 1

| SAMPLING COMPANY | LOG CODE | SITE ADDRESS (Street and City) | GLOBAL ID NO. |
|---|---|---|---|
| Blaine Tech Services | BTSS | 4226 First Street, Pleasanton | T0600101259 |

| ADDRESS | EDF DELIVERABLE TO (Responsible Party or Designee) | PHONE NO. | E-MAIL | CONSULTANT PROJECT NO. |
|---|---|---|---|---|
| 1680 Rogers Avenue, San Jose, CA 95112 | Anni Kreml | 510-420-3335 | ShellOaklandEDF@cambria-env.com | 020725-B1B2 |

| PROJECT CONTACT (Hardcopy or PDF Report to) | TELEPHONE | FAX | E-MAIL | SAMPLER NAME(S) (Print) |
|---|---|---|---|---|
| Leon Gearhart | 408-573-0555 | 408-573-7771 | lgearhart@blainetech.com | BRIAN ALLORD |

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☐ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

| LAB USE ONLY | Field Sample Identification | SAMPLING DATE | SAMPLING TIME | MATRIX | NO. OF CONT. | TPH - Gas, Purgeable | BTEX | MTBE (8021B - 5ppb RL) | MTBE (8260B - 0.5ppb RL) | Oxygenates (5) by (8260B) | Ethanol (8260B) | Methanol | 1,2-DCA (8260B) | EDB (8260B) | | TPH - Diesel, Extractable (8015m) | | | | | | | | | TEMPERATURE ON RECEIPT C° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-1 | 7/25 | 1530 | GW | 3 | X | X | X | | | | | | | | | | | | | | | | | -01 |
| | MW-2 | ↓ | 1550 | ↓ | ↓ | X | X | X | | | | | | | | | | | | | | | | | -02 |
| | MW-3 | ↓ | 1425 | ↓ | ↓ | X | X | X | | | | | | | | | | | | | | | | | -03 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
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FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

| Relinquished by: (Signature) | Received by: (Signature) | Date | Time |
|---|---|---|---|
| | | 7/26/02 | 1020 |
| Relinquished by: (Signature) | Received by: (Signature) | Date | Time |
| | | | |
| Relinquished by: (Signature) | Received by: (Signature) | Date | Time |
| | John Cuttle / Kiff Analytical | 072602 | 1020 |

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

Q&Q Graphic (714) 898-9702

# WELL GAUGING DATA

Project # 020725-BA2 Date 7/25/02 Client SHELL

Site 4226 FIRST ST, PLEASANTON

| 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 | | | | | 39.39 | 56.75 | TOC | pressure |
| MW-2 | 4 | | | | | 32.80 | 45.61 | ↓ | |
| MW-3 | 4 | | | | | 30.96 | 34.29 | ↓ | |
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# SHELL WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 020725-BA2 | Site: 4276 First St, Pleasanton |
| Sampler: Brian Alcorn | Date: 7/25/02 |
| Well I.D.: MW-1 | Well Diameter: (2) 3 4 6 8 ___ |
| Total Well Depth (TD): 56.75 | Depth to Water (DTW): 39.39 |
| Depth to Free Product: ___ | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: | |

Purge Method: Bailer; Disposable Bailer; (Middleburg); Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ___

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

2.8 (Gals.) X 3 = 8.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

| Time | Temp (°F) | pH | Cond. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1515 | 72.8 | 6.9 | 1603 | 55 | 2.75 | brown clear |
| 1521 | 71.0 | 6.5 | 1699 | 45 | 5.5 | " |
| 1525 | 70.9 | 6.4 | 1699 | 42 | 8.25 | " |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 8.25

Sampling Date: 7/25/02 Sampling Time: 1530 Depth to Water: 50.62

Sample I.D.: MW-1 Laboratory: (Kiff) SPL 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 |

# SHELL WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 020725-BA2 | Site: 4226 First St, Pleasanton |
| Sampler: Brian Allorn | Date: 7/25/02 |
| Well I.D.: MW-2 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth (TD): 45.61 | Depth to Water (DTW): 32.80 |
| Depth to Free Product: ___ | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: | |

Purge Method: Bailer; Disposable Bailer; Middleburg; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ___

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

8.3 (Gals.) X 3 = 24.9 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. (mS or (uS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1446 | 72.0 | 6.7 | 1355 | 4 | 8.5 | clear |
| 1449 | 71.2 | 6.5 | 1372 | 6 | 17 | " |
| DEWATERED DURING THIRD CASE VOLUME | | | | | | DTW 44.06 |
| 1550 | 71.4 | 7.0 | 1431 | 13 | GRAB SAMPLE | DTW 42.69 |
| | | | | | | |

Did well dewater? (Yes) No Gallons actually evacuated: 21

Sampling Date: 7/25/02 Sampling Time: 1550 Depth to Water: DTW 42.69

Sample I.D.: MW-2 Laboratory: (Kiff) SPL 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 |

# SHELL WELL MONITORING DATA SHEET

| | |
|---|---|
| BTS #: 020725-BA2 | Site: 4226 First St, Pleasanton |
| Sampler: Brian Allgren | Date: 7/25/02 |
| Well I.D.: MW-3 | Well Diameter: 2 3 (4) 6 8 ___ |
| Total Well Depth (TD): 34.29 | Depth to Water (DTW): 30.96 |
| Depth to Free Product: ___ | Thickness of Free Product (feet): |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: | |

Purge Method: Bailer; Disposable Bailer; Middleburg; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other ___

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

| 2.2 (Gals.) X | 3 | = | 6.6 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. (mS or (µS)) | Turbidity (NTUs) | Gals. Removed | Observations |
|---|---|---|---|---|---|---|
| 1417 | 82.3 | 7.3 | 950 | 120 | 2.2 | cloudy brown |
| 1419 | 83.5 | 6.7 | 879 | 40 | 4.4 | clear |
| 1421 | 83.5 | 6.6 | 932 | 30 | 6.6 | clear |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes (No) Gallons actually evacuated: 7

Sampling Date: 7/25/02 Sampling Time: 1425 Depth to Water: 32.78

Sample I.D.: MW-3 Laboratory: (Kiff) SPL 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 |