

C A M B R I A

November 2, 2000

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

Re: **Third Quarter 2000 Monitoring Report**
Former Shell Service Station
1230 14th Street
Oakland, California
Incident #97088250
Cambria Project #242-0233-002

ENVIRONMENTAL
PROTECTION
00 NOV -3 PM 11:04



Dear Mr. Seto:

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.

THIRD QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged water levels, measured dissolved oxygen (DO) concentrations, and calculated groundwater elevations. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, with supporting field notes, is included as Attachment A.

ANTICIPATED FOURTH QUARTER 2000 ACTIVITIES

Groundwater Monitoring: Blaine will gauge water levels, measure DO concentrations, sample selected site wells, and tabulate the data. Cambria will prepare a monitoring report.

Site Conceptual Model: In correspondence dated May 11, 2000, Larry Seto of the Alameda County Health Care Services Agency (ACHCSA) concurred with Cambria's recommendation for a site conceptual model (SCM). Cambria will begin to develop a SCM for the site and submit the results to the ACHCSA.

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

Vapor Extraction Pilot Test: Beginning October 16, 2000, Cambria will perform a five-day pilot vapor extraction test on wells VW/AS-1 and MW-1. The test will be conducted to evaluate the effectiveness of vapor extraction to remediate elevated hydrocarbon concentrations in the vicinity of those wells.

Geoprobe Borings: Cambria proposes to advance five Geoprobe borings to further define the extent of residual hydrocarbon concentrations at the site. Details of the proposed investigation will be included in a forthcoming work plan.



CLOSING

We appreciate the opportunity to work with you on this project. Please call Darren Croteau at (510) 420-3331 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Darren Croteau
Project Geologist

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

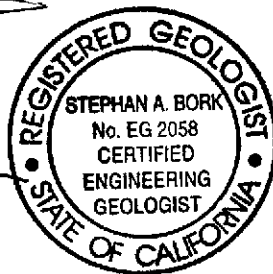
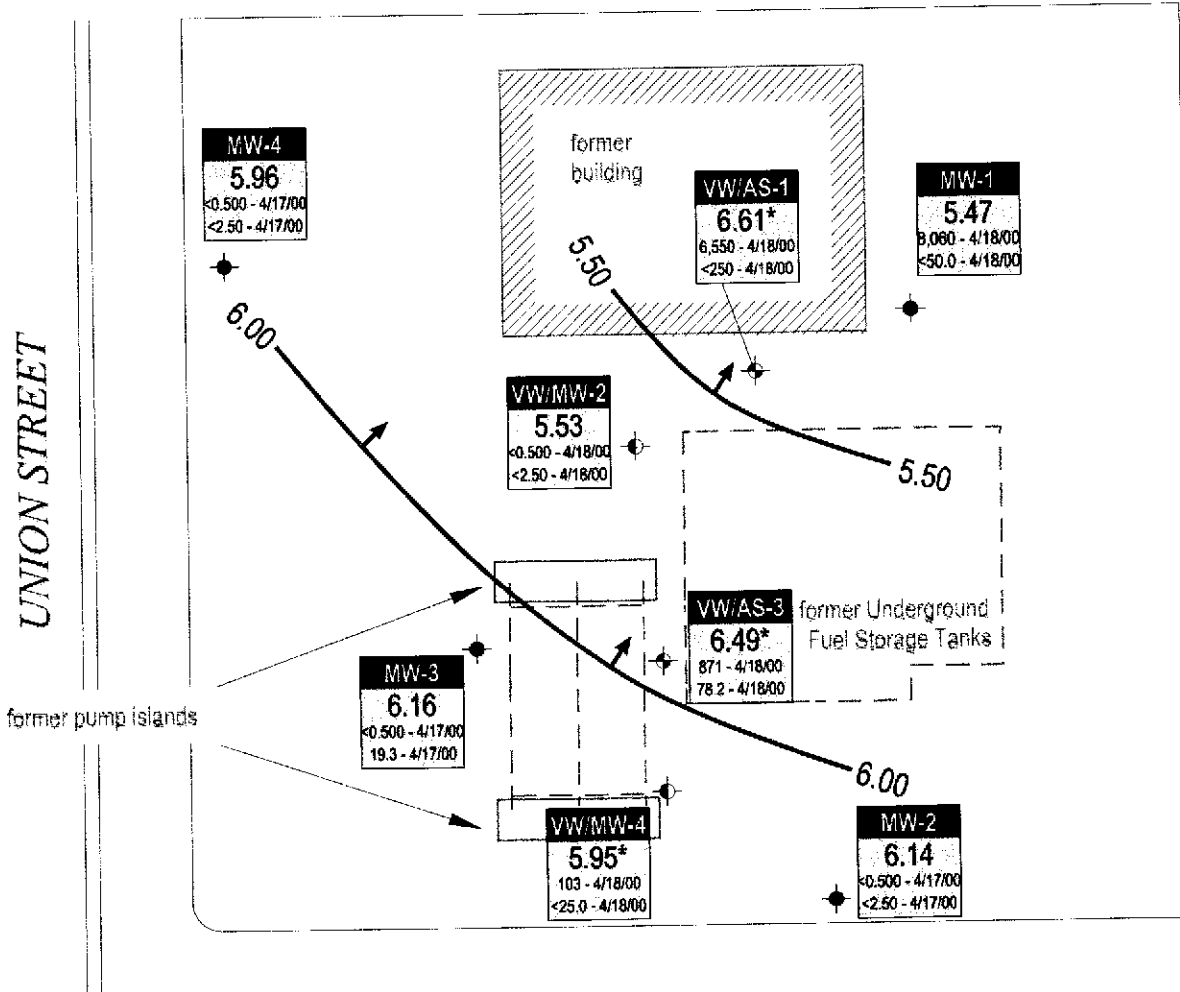


Figure: 1 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91501-7869
Tom Saberi, 1045 Airport Boulevard, Suite 12, South San Francisco, CA 94080
Matthew Dudley, Sedgwick, Detert, Moran, & Arnold, 1 Embarcadero Center,
16th Floor, San Francisco, California 94111-3628

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EXPLANATION

- MW-1 Monitoring well location
- VW/AS-1 Combination air sparge/soil vapor extraction well
- VW/MW-2 Combination soil vapor extraction well/monitoring well
- * Data anomalous, not used for contouring
- Groundwater flow direction
- XX.XX* Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred
- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020; MTBE results in parentheses are analyzed by EPA Method 8260

14TH STREET

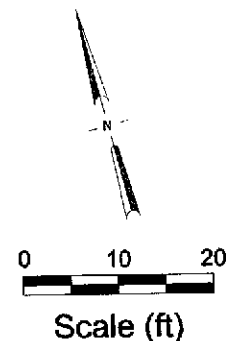


FIGURE
1

G:\OAKLAND\1230-14TH\FIGURES\3Q\MOO-MP.DWG

Former Shell Service Station
1230 14th Street
Oakland, California
Incident #97088250



C A M B R I A

**Groundwater Elevation
Contour Map**

September 21, 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

September 29, 2000

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

Third Quarter 2000 Groundwater Monitoring at
Former Shell Service Station
1230 14th Street
Oakland, CA

Monitoring performed on September 21, 2000

Groundwater Monitoring Report 000921-S-3

This report covers the routine monitoring of groundwater wells at this Former Shell 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, appropriate 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. Purge water (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

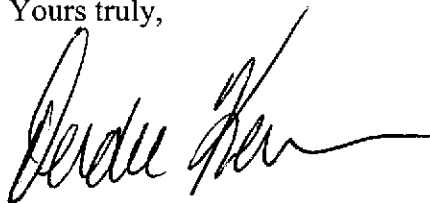
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

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, Ste. C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

| 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) | DO Reading (ppm) |
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|

| | | | | | | | | | | | | |
|------|------------|--------|--------|-------|-------|-------|--------|----|-------|-------|-------|---------|
| MW-1 | 03/25/1996 | 37,000 | 7,400 | 1,500 | 720 | 3,300 | <500 | NA | 18.58 | 9.53 | 9.05 | NA |
| MW-1 | 06/21/1996 | 35,000 | 9,900 | 460 | 340 | 3,500 | 890 | NA | 18.58 | 10.72 | 7.86 | NA |
| MW-1 | 09/26/1996 | 19,000 | 8,200 | 510 | 780 | 790 | <250 | NA | 18.58 | 12.88 | 5.70 | NA |
| MW-1 | 12/19/1996 | 27,000 | 120 | 1,200 | 1,400 | 2,800 | <100 | NA | 18.58 | 12.59 | 5.99 | NA |
| MW-1 | 12/19/1996 | 32,000 | 12,000 | 1,300 | 1,600 | 3,100 | 830 | NA | 18.58 | 12.59 | 5.99 | NA |
| MW-1 | 03/25/1997 | 39,000 | 13,000 | 1,600 | 840 | 3,100 | 730 | NA | 18.58 | 11.10 | 7.48 | 1.2 |
| MW-1 | 06/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 12.42 | 6.16 | NA |
| MW-1 | 09/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 13.31 | 5.27 | 0.8 |
| MW-1 | 12/05/1997 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 12.65 | 5.93 | 0.3 |
| MW-1 | 02/19/1998 | 16,000 | 5,500 | 450 | 500 | 800 | <500 | NA | 18.58 | 6.46 | 12.12 | 2.4 |
| MW-1 | 06/08/1998 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 6.62 | 11.96 | 1.2 |
| MW-1 | 08/25/1998 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 11.83 | 6.75 | 2.8 |
| MW-1 | 12/28/1998 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 12.01 | 6.57 | 2.6 |
| MW-1 | 03/26/1999 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 9.15 | 9.43 | 2.2 |
| MW-1 | 06/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 11.22 | 7.36 | 3.8 |
| MW-1 | 09/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 11.89 | 6.69 | 3.0 |
| MW-1 | 12/27/1999 | 34,800 | 8,660 | 953 | 956 | 2,770 | <1,000 | NA | 18.58 | 13.55 | 5.03 | 2.4/2.1 |
| MW-1 | 01/21/2000 | 40,600 | 14,700 | 1,850 | 1,210 | 3,670 | <500 | NA | 18.58 | 13.42 | 5.16 | 2.8 |
| MW-1 | 03/07/2000 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 8.11 | 10.47 | 0.4 |
| MW-1 | 04/17/2000 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 9.78 | 8.80 | 3.0/3.4 |
| MW-1 | 04/18/2000 | 18,300 | 8,060 | 543 | 528 | 872 | <50.0 | NA | 18.58 | NA | NA | NA |
| MW-1 | 09/21/2000 | NA | NA | NA | NA | NA | NA | NA | 18.58 | 13.11 | 5.47 | 5.2 |

| | | | | | | | | | | | | |
|------|------------|-----|-------|-------|-------|-------|------|----|-------|-------|------|-----|
| MW-2 | 03/25/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 8.19 | 9.71 | NA |
| MW-2 | 06/21/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 9.94 | 7.96 | NA |
| MW-2 | 09/26/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 12.15 | 5.75 | NA |
| MW-2 | 12/19/1996 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | 17.90 | 11.70 | 6.20 | NA |
| MW-2 | 03/25/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 9.25 | 8.65 | 1.8 |

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

| 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) | DO Reading (ppm) |
|-------------|-------------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
| MW-2 | 06/26/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 11.36 | 6.54 | 2.4 |
| MW-2 | 09/26/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 12.56 | 5.34 | 1.1 |
| MW-2 | 09/26/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 12.56 | 5.34 | 1.1 |
| MW-2 | 12/05/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 11.15 | 6.75 | 0.7 |
| MW-2 | 02/19/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 17.90 | 5.61 | 12.29 | 2.7 |
| MW-2 | 06/08/1998 | <50 | <0.30 | <0.30 | <0.30 | <0.60 | <10 | NA | 17.90 | 5.58 | 12.32 | 3.2 |
| MW-2 | 08/25/1998 | NA | NA | NA | NA | NA | NA | NA | 17.90 | 10.67 | 7.23 | 1.7 |
| MW-2 | 12/28/1998 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.00 | NA | 17.90 | 11.65 | 6.25 | 0.4/0.8 |
| MW-2 | 03/26/1999 | NA | NA | NA | NA | NA | NA | NA | 17.90 | 8.60 | 9.30 | 0.7 |
| MW-2 | 06/30/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 17.90 | 10.30 | 7.60 | 2.3 |
| MW-2 | 09/30/1999 | NA | NA | NA | NA | NA | NA | NA | 17.90 | 10.77 | 7.13 | 1.9 |
| MW-2 | 12/27/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 17.90 | 12.21 | 5.69 | 0.7/0.7 |
| MW-2 | 03/07/2000 | NA | NA | NA | NA | NA | NA | NA | 17.90 | 7.13 | 10.77 | 1.1 |
| MW-2 | 04/17/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 17.90 | 8.35 | 9.55 | 1.8/1.8 |
| MW-2 | 09/21/2000 | NA | NA | NA | NA | NA | NA | NA | 17.90 | 11.76 | 6.14 | 2.1 |
| MW-3 | 03/25/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.18 | 8.47 | 9.71 | NA |
| MW-3 | 06/21/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.18 | 10.40 | 7.78 | NA |
| MW-3 | 09/26/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.18 | 12.45 | 5.73 | NA |
| MW-3 | 12/19/1996 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | 18.18 | 12.14 | 6.02 | NA |
| MW-3 | 03/25/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.18 | 9.54 | 8.64 | 2.2 |
| MW-3 | 06/26/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.18 | 11.66 | 6.52 | 3.6 |
| MW-3 | 09/26/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.18 | 12.85 | 5.33 | 1.1 |
| MW-3 | 12/05/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.18 | 11.44 | 6.74 | 0.6 |
| MW-3 | 02/19/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.18 | 6.78 | 11.40 | 3.6 |
| MW-3 | 06/08/1998 | <50 | <0.30 | <0.30 | <0.30 | <0.60 | <10 | NA | 18.18 | 6.82 | 11.36 | 3.8 |
| MW-3 | 06/08/1998 | <50 | <0.30 | <0.30 | <0.30 | <0.60 | <10 | NA | 18.18 | 6.82 | 11.36 | 3.8 |
| MW-3 | 08/25/1998 | NA | NA | NA | NA | NA | NA | NA | 18.18 | 11.09 | 7.09 | 1.2 |

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

| 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) | DO Reading (ppm) |
|-------------|-------------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
| MW-3 | 12/28/1998 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.00 | NA | 18.18 | 11.84 | 6.34 | 0.9/0.6 |
| MW-3 | 03/26/1999 | NA | NA | NA | NA | NA | NA | NA | 18.18 | 8.57 | 9.61 | 0.8 |
| MW-3 | 06/30/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 18.18 | 10.61 | 7.57 | 4.8 |
| MW-3 | 09/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.18 | 11.53 | 6.65 | 1.4 |
| MW-3 | 12/27/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 18.18 | 12.35 | 5.83 | 1.4/2.5 |
| MW-3 | 03/07/2000 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 7.36 | 10.81 | 5.8 |
| MW-3 | 04/17/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 19.3 | NA | 18.17 | 8.39 | 9.78 | 6.5/5.1 |
| MW-3 | 09/21/2000 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 12.01 | 6.16 | 3.0 |

| | | | | | | | | | | | | |
|----------|------------|-------|--------|--------|--------|--------|-------|----|-------|-------|-------|---------|
| MW-4 | 03/25/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 9.20 | 8.81 | NA |
| MW-4 | 06/21/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 10.25 | 7.76 | NA |
| MW-4 | 09/26/1996 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 12.29 | 5.72 | NA |
| MW-4 | 12/19/1996 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | 18.01 | 12.47 | 5.54 | NA |
| MW-4 | 03/25/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 9.44 | 8.57 | 1.8 |
| MW-4 | 06/26/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 11.57 | 6.44 | 6.2 |
| MW-4 (D) | 06/26/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 11.57 | 6.44 | 6.2 |
| MW-4 | 09/26/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 12.75 | 5.26 | 2.1 |
| MW-4 | 12/05/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 11.37 | 6.64 | 1.0 |
| MW-4 (D) | 12/05/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 11.37 | 6.64 | 1.0 |
| MW-4 | 02/19/1998 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 18.01 | 5.59 | 12.42 | 6.5 |
| MW-4 | 06/08/1998 | <50 | <0.30 | <0.30 | <0.30 | <0.60 | <10 | NA | 18.01 | 5.65 | 12.36 | 2.6 |
| MW-4 | 08/25/1998 | NA | NA | NA | NA | NA | NA | NA | 18.01 | 10.98 | 7.03 | 2.4 |
| MW-4 | 12/28/1998 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.00 | NA | 18.01 | 11.83 | 6.18 | 1.3/1.2 |
| MW-4 | 03/26/1999 | NA | NA | NA | NA | NA | NA | NA | 18.01 | 8.40 | 9.61 | 1.9 |
| MW-4 | 06/30/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 18.01 | 10.53 | 7.48 | 7.6 |
| MW-4 | 09/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.01 | 11.03 | 6.98 | 2.6 |
| MW-4 | 12/27/1999 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 18.01 | 12.53 | 5.48 | 1.9/0.8 |
| MW-4 | 03/07/2000 | NA | NA | NA | NA | NA | NA | NA | 18.01 | 7.00 | 11.01 | 6.5 |

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

| 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) | DO Reading (ppm) |
|-------------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
| MW-4 | 04/17/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 18.01 | 8.57 | 9.44 | 5.1/5.1 |
| MW-4 | 09/21/2000 | NA | NA | NA | NA | NA | NA | NA | 18.01 | 12.05 | 5.96 | 3.0 |
| VW/MW-2 | 03/25/1996 | 13,000 | 900 | 920 | 180 | 1,500 | <250 | NA | 18.30 | 9.04 | 9.26 | NA |
| VW/MW-2 | 06/21/1996 | 27,000 | 4,100 | 1,100 | 1,400 | 3,200 | 700 | NA | 18.30 | 10.48 | 7.82 | NA |
| VW/MW-2 | 09/26/1996 | 27,000 | 5,300 | 1,900 | 980 | 2,200 | <500 | NA | 18.30 | 12.52 | 5.78 | NA |
| VW/MW-2 (D) | 09/26/1996 | 29,000 | 5,800 | 2,200 | 1,100 | 2,500 | <250 | NA | 18.30 | 12.52 | 5.78 | NA |
| VW/MW-2 | 12/19/1996 | 50,000 | 6,200 | 5,100 | 1,700 | 5,600 | 590 | NA | 18.30 | 12.42 | 5.88 | NA |
| VW/MW-2 | 03/25/1997 | 210 | 5.6 | <0.50 | 0.52 | <0.50 | 14 | NA | 18.30 | 9.83 | 8.47 | 2.0 |
| VW/MW-2 (D) | 03/25/1997 | 250 | 1.7 | 0.58 | 0.51 | <0.50 | 4.7 | NA | 18.30 | 9.83 | 8.47 | 2.0 |
| VW/MW-2 | 06/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 12.43 | 5.87 | NA |
| VW/MW-2 | 09/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 12.98 | 5.32 | 0.9 |
| VW/MW-2 | 12/05/1997 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 12.20 | 6.10 | 0.4 |
| VW/MW-2 | 02/19/1998 | <50 | 1.5 | <0.50 | <0.50 | 0.71 | <2.5 | NA | 18.30 | 5.83 | 12.47 | 3.6 |
| VW/MW-2 | 06/08/1998 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 5.80 | 12.50 | 1.0 |
| VW/MW-2 | 08/25/1998 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 11.72 | 6.58 | 4.8 |
| VW/MW-2 | 12/28/1998 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 11.69 | 6.61 | 2.7 |
| VW/MW-2 | 03/26/1999 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 8.75 | 9.55 | 2.8 |
| VW/MW-2 | 06/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 10.72 | 7.58 | 4.7 |
| VW/MW-2 | 09/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.30 | 12.24 | 6.06 | 4.9 |
| VW/MW-2 | 12/27/1999 | 13,500 | 1,330 | 1,310 | 490 | 1,400 | <250 | NA | 18.30 | 13.92 | 4.38 | 2.1/1.9 |
| VW/MW-2 | 01/21/2000 | 12,100 | 2,200 | 1,080 | 429 | 1,120 | <250 | NA | 18.30 | 13.26 | 5.04 | 2.8 |
| VW/MW-2 | 03/07/2000 | NA | NA | NA | NA | NA | NA | NA | 18.28 | 7.87 | 10.41 | 3.7 |
| VW/MW-2 | 04/17/2000 | NA | NA | NA | NA | NA | NA | NA | 18.28 | 9.65 | 8.63 | 3.7/4.1 |
| VW/MW-2 | 04/18/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 18.28 | NA | NA | NA |
| VW/MW-2 | 09/21/2000 | NA | NA | NA | NA | NA | NA | NA | 18.28 | 12.75 | 5.53 | 6.2 |
| VW/MW-4 | 03/25/1996 | 83,000 | 6,500 | 7,000 | 2,000 | 11,000 | <250 | NA | 18.14 | 8.45 | 9.69 | NA |

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

| 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) | DO Reading (ppm) |
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|

| | | | | | | | | | | | | |
|----------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|-------------|------------|
| VW/MW-4 (D) | 03/25/1996 | 84,000 | 6,400 | 7,000 | 2,100 | 12,000 | <250 | NA | 18.14 | 8.45 | 9.69 | NA |
| VW/MW-4 | 06/21/1996 | 110,000 | 14,000 | 15,000 | 3,700 | 17,000 | 1,700 | NA | 18.14 | 10.38 | 7.76 | NA |
| VW/MW-4 (D) | 06/21/1996 | 100,000 | 12,000 | 12,000 | 2,900 | 13,000 | <1,000 | NA | 18.14 | 10.38 | 7.76 | NA |
| VW/MW-4 | 09/26/1996 | 52,000 | 13,000 | 2,700 | 2,100 | 3,200 | <500 | NA | 18.14 | 12.43 | 5.71 | NA |
| VW/MW-4 | 12/19/1996 | 75,000 | 15,000 | 6,600 | 3,000 | 7,600 | <1,250 | NA | 18.14 | 11.87 | 6.27 | NA |
| VW/MW-4 | 03/25/1997 | 56,000 | 4,700 | 1,500 | 2,500 | 6,300 | 580 | NA | 18.14 | 9.60 | 8.54 | 2.4 |
| VW/MW-4 | 06/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 12.36 | 5.78 | NA |
| VW/MW-4 | 09/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 12.82 | 5.32 | 0.4 |
| VW/MW-4 | 12/05/1997 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 12.15 | 5.99 | 0.3 |
| VW/MW-4 | 02/19/1998 | 4,100 | 320 | 40 | 44 | 520 | <50 | NA | 18.14 | 5.85 | 12.29 | 1.8 |
| VW/MW-4 (D) | 02/19/98 | 4,300 | 340 | 44 | 47 | 540 | <50 | NA | 18.14 | 5.85 | 12.29 | 1.8 |
| VW/MW-4 | 06/08/1998 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 5.87 | 12.27 | 1.8 |
| VW/MW-4 | 08/25/1998 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 10.96 | 7.18 | 2.5 |
| VW/MW-4 | 12/28/1998 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 11.28 | 6.86 | 0.9 |
| VW/MW-4 | 03/26/1999 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 8.45 | 9.69 | 1.9 |
| VW/MW-4 | 06/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 9.70 | 8.44 | 3.6 |
| VW/MW-4 | 09/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 11.78 | 6.36 | 2.6 |
| VW/MW-4 | 12/27/1999 | 33,900 | 3,740 | 2,000 | 1,130 | 5,090 | 587 | NA | 18.14 | 12.63 | 5.51 | 0.4/0.2 |
| VW/MW-4 | 01/21/200 | 13,900 | 1,560 | 568 | 227 | 1,990 | <500 | 21.0a | 18.14 | 13.07 | 5.07 | 1.0 |
| VW/MW-4 | 03/07/2000 | NA | NA | NA | NA | NA | NA | NA | 18.13 | 7.82 | 10.31 | 0.9 |
| VW/MW-4 | 04/17/2000 | NA | NA | NA | NA | NA | NA | NA | 18.13 | 9.18 | 8.95 | 1.4/1.9 |
| VW/MW-4 | 04/18/2000 | 757 | 103 | 8.59 | 30.8 | 84.2 | <25.0 | NA | 18.13 | NA | NA | NA |
| VW/MW-4 | 09/21/2000 | NA | NA | NA | NA | NA | NA | NA | 18.13 | 12.18 | 5.95 | 5.0 |

| | | | | | | | | | | | | |
|---------|------------|----|----|----|----|----|----|----|-------|-------|------|----|
| VW/AS-1 | 03/25/1996 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 8.98 | 9.62 | NA |
| VW/AS-1 | 06/21/1996 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 10.95 | 7.65 | NA |
| VW/AS-1 | 09/26/1996 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 12.98 | 5.62 | NA |
| VW/AS-1 | 12/19/1996 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 12.67 | 5.93 | NA |

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

| 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) | DO Reading (ppm) |
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|

| | | | | | | | | | | | | |
|---------|------------|--------|-------|-------|-------|-------|------|----|-------|-------|-------|---------|
| VW/AS-1 | 03/25/1997 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 10.12 | 8.48 | NA |
| VW/AS-1 | 06/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 12.34 | 6.26 | NA |
| VW/AS-1 | 09/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 13.40 | 5.20 | NA |
| VW/AS-1 | 12/05/1997 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 11.96 | 6.64 | 5.2 |
| VW/AS-1 | 02/19/1998 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 6.22 | 12.38 | 1.3 |
| VW/AS-1 | 06/08/1998 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 6.20 | 12.40 | 1.0 |
| VW/AS-1 | 08/25/1998 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 11.59 | 7.01 | 1.6 |
| VW/AS-1 | 12/28/1998 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 11.74 | 6.86 | 1.3 |
| VW/AS-1 | 03/26/1999 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 9.20 | 9.40 | 1.3 |
| VW/AS-1 | 06/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 11.08 | 7.52 | 2.1 |
| VW/AS-1 | 09/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.60 | 11.94 | 6.66 | 1.9 |
| VW/AS-1 | 12/27/1999 | 8,940 | 2,000 | 95.7 | 1,200 | 570 | 606 | NA | 18.60 | 11.01 | 7.59 | 1.6/1.8 |
| VW/AS-1 | 03/07/2000 | NA | NA | NA | NA | NA | NA | NA | 18.59 | 7.35 | 11.24 | NA |
| VW/AS-1 | 04/17/2000 | NA | NA | NA | NA | NA | NA | NA | 18.59 | 9.08 | 9.51 | 1.9/2.0 |
| VW/AS-1 | 04/18/2000 | 20,800 | 6,550 | 1,220 | 2,270 | 1,720 | <250 | NA | 18.59 | NA | NA | NA |
| VW/AS-1 | 09/21/2000 | NA | NA | NA | NA | NA | NA | NA | 18.59 | 11.98 | 6.61 | 2.1 |

| | | | | | | | | | | | | |
|---------|------------|----|----|----|----|----|----|----|-------|-------|-------|-----|
| VW/AS-3 | 03/25/1996 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 8.50 | 9.67 | NA |
| VW/AS-3 | 06/21/1996 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 10.42 | 7.75 | NA |
| VW/AS-3 | 09/26/1996 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 12.49 | 5.68 | NA |
| VW/AS-3 | 12/19/1996 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 12.28 | 5.89 | NA |
| VW/AS-3 | 03/25/1997 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 9.61 | 8.56 | NA |
| VW/AS-3 | 06/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 11.80 | 6.37 | NA |
| VW/AS-3 | 09/26/1997 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 12.89 | 5.28 | NA |
| VW/AS-3 | 12/05/1997 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 11.38 | 6.79 | 1.8 |
| VW/AS-3 | 02/19/1998 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 6.24 | 11.93 | 1.3 |
| VW/AS-3 | 06/08/1998 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 6.25 | 11.92 | 1.2 |
| VW/AS-3 | 08/25/1998 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 11.43 | 6.74 | 1.3 |

WELL CONCENTRATIONS
Former Shell Service Station
1230 14th Street
Oakland, CA
Wic #204-5508-3103

| 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) | DO Reading (ppm) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
| VW/AS-3 | 12/28/1998 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 11.63 | 6.54 | 1.7 |
| VW/AS-3 | 03/26/1999 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 8.92 | 9.25 | 1.5 |
| VW/AS-3 | 06/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 10.71 | 7.46 | 2.5 |
| VW/AS-3 | 09/30/1999 | NA | NA | NA | NA | NA | NA | NA | 18.17 | 11.78 | 6.39 | 1.5 |
| VW/AS-3 | 12/27/1999 | 488 | 47.9 | 2.60 | 16.9 | 8.50 | 35.4 | NA | 18.17 | 12.57 | 5.60 | 1.5/2.1 |
| VW/AS-3 | 03/07/2000 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 4.82 | 13.32 | NA |
| VW/AS-3 | 04/17/2000 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 8.69 | 9.45 | 2.0/2.4 |
| VW/AS-3 | 04/18/2000 | 3,110 | 871 | <5.00 | 141 | 56.8 | 78.2 | NA | 18.14 | NA | NA | NA |
| VW/AS-3 | 09/21/2000 | NA | NA | NA | NA | NA | NA | NA | 18.14 | 11.65 | 6.49 | 2.5 |

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 by EPA Method 8020

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

NA = Not applicable

ug/L = parts per billion

ppm = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

n/n = Pre-purge/Post-purge DO Readings

Notes:

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

WELL GAUGING DATA

Project # 000921-53 Date 9/21/00 Client Equiva # 204-5502-3103

Site 1230 14th St. 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 | D.O. Readings |
|---------|-----------------|--------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|---------------|
| MN-1 | 2 | | | (ORC'S) | | 13.11 | 20.90 | TOC | 9.2 |
| MN-2 | 2 | | | | | 11.76 | 21.60 | | 2.1 |
| MN-3 | 2 | | | | | 12.01 | 19.37 | | 3.0 |
| MN-4 | 2 | | | | | 12.05 | 19.82 | | 3.0 |
| VW/MN-2 | 2 | | | (ORC'S) | | 12.75 | 20.28 | | 6.2 |
| VW/MN-4 | 2 | | | (ORC'S) | | 12.18 | 18.59 | | 5.0 |
| VW/AS-1 | 1 | | | | | 11.98 | 18.73 | | 2.1 |
| VW/AS-3 | 1 | | | | | 11.45 | 19.54 | ✓ | 2.5 |
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