

R026



July 16, 2004

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

Alameda County
JUL 23 2004
Environmental Health

Subject: Shell-branded Service Station
5755 Broadway
Oakland, California

Dear Mr. Hwang:

Attached for your review and comment is a copy of the *Second Quarter 2004 Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

A handwritten signature in cursive script that reads "Karen Petryna".

Karen Petryna
Sr. Environmental Engineer

July 16, 2004

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

Re: **Second Quarter 2004 Monitoring Report**
Shell-branded Service Station
5755 Broadway
Oakland, California
Incident #98995756
Cambria Project #246-0483-002

Alameda County
JUL 23 2004
Environmental Health



Dear Mr. Hwang:

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.

HISTORICAL REMEDIATION SUMMARY

The site location is shown on Figures 1 and 2. Mobile groundwater extraction (GWE) using a vacuum truck was conducted periodically at the site from April to November 2000. A single dual-phase vacuum extraction (DVE) event was performed at the site on February 7, 2001, and monthly mobile DVE was conducted at the site from May to November 2001. GWE and DVE have collectively extracted approximately 20,038 gallons of groundwater from wells S-2, H-1, and T-2, and removed 0.46 pounds of methyl tertiary-butyl ether (MTBE). Subsequent to notification of the Alameda County Health Care Services Agency in our November 7, 2001 *Third Quarter 2001 Monitoring Report*, Cambria suspended monthly DVE from wells S-2 and H-1 due to the low influent volume of groundwater from S-2 and the low influent MTBE concentrations from H-1.

**Cambria
Environmental
Technology, Inc.**

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

SECOND QUARTER 2004 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled scheduled site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a vicinity map that includes previously submitted well survey information (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, presenting the laboratory reports and supporting field documents, is included as Attachment A.

Temporary GWE System: As described in our second quarter 2003 monitoring report, plans for installing a fixed GWE system were put on hold due to the localized nature of the groundwater impact, and plans for installing a temporary GWE system pumping from well S-2 were initiated. Installation of this temporary system was completed, and operation began on October 28, 2003.

A pump is installed in well S-2, and extracted water is stored on site in a Baker tank. Water is periodically offhauled from the tank using a vacuum truck. Measurements of transported water are used to assess system production. Through June 23, 2004, a total of 14,723 gallons of water had been produced, equating to a flow rate of approximately 0.04 gallons per minute since system operation began. A total of 0.50 pounds of MTBE has been recovered. Table 1 summarizes mass removal data from the temporary GWE system.

ANTICIPATED THIRD QUARTER 2004 ACTIVITIES


Groundwater Monitoring: Blaine will gauge and sample selected site wells, including the horizontal well (without purging), and tabulate the data. A groundwater monitoring report will be prepared.

Temporary GWE System: Cambria will continue to operate the temporary GWE system. Data from subsequent sampling events will be evaluated to determine whether installation of the permanent GWE system is warranted. Should future data indicate that installation of the fixed system is warranted, we will proceed with the permitting process for this system.

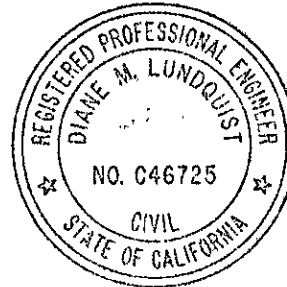
CLOSING

We appreciate the opportunity to work with you on this project. Please call Diane Lundquist at (510) 420-3334 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc



Diane Lundquist, P.E.
Principal Engineer



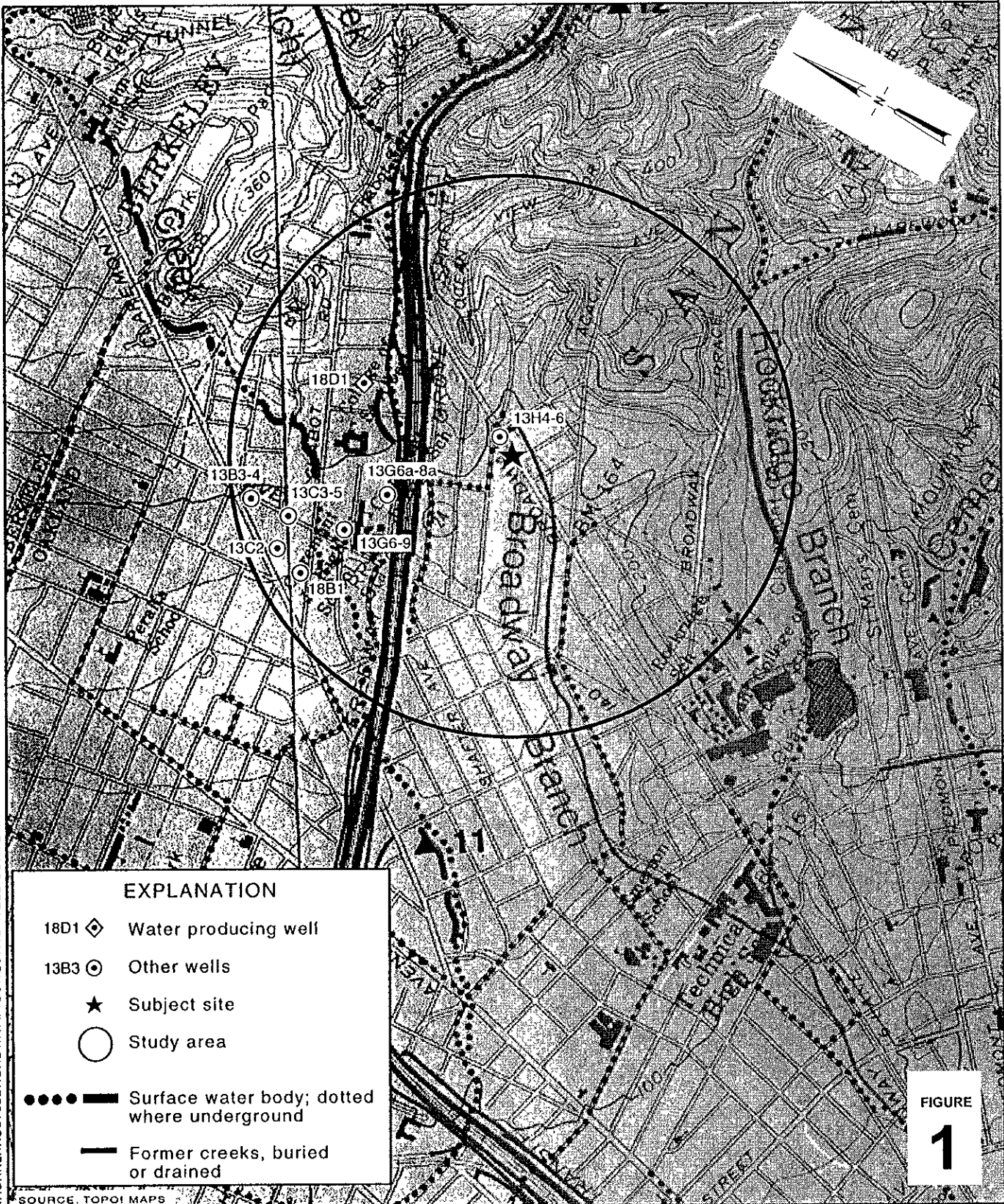
Figures: 1 - Vicinity/Well Survey Map
2 - Groundwater Elevation Contour Map

Table: 1 - Groundwater Extraction System Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Thrifty Oil Company, c/o Mr. Raymond Fredricksen, PO Box 2128, Santa Fe Springs,
CA 90670

\\oakdc\shell\Oakland 5755 Broadway\QM\2q04\2q04qm.doc



G:\OAKLAND\5755BROADWAY\FIGURES\VIC-WELL-SURVEY.A1

EXPLANATION

- 18D1 ◊ Water producing well
- 13B3 ○ Other wells
- ★ Subject site
- Study area
- Surface water body; dotted where underground
- Former creeks, buried or drained

FIGURE 1

0 1/8 1/4 1/2 1
SCALE : 1" = 1/4 MILE

Shell-branded Service Station

5755 Broadway
Oakland, California
Incident #98995756



C A M B R I A

Vicinity / Well Survey Map

(1/2-Mile Radius)

07/16/04
G:\OAKLAND\755BROADWAY\FIGURE 2\FIG04 A1

EXPLANATION

- S-1 Monitoring well location
- S-2 Groundwater monitoring well used for extraction
- T-1 Tank backfill well location
- T-3 Pre-pack monitoring well location
- H-1 Horizontal extraction well location
- B-1 Soil boring location (Miller-Brooks, 8/6-7/02)
- Groundwater flow direction
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl), approximately located

- Well**
- ELEV** Groundwater elevation, in feet above msl
- Benzene** Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.
- MTBE**
- Sanitary sewer line (SS)
- Storm drain (SD)
- Overhead powerline (E)
- ▶ Flow direction
- Manhole
- 4.5 fbg Feet below grade

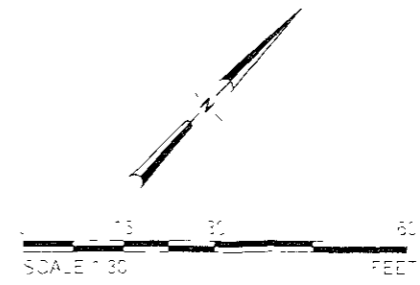
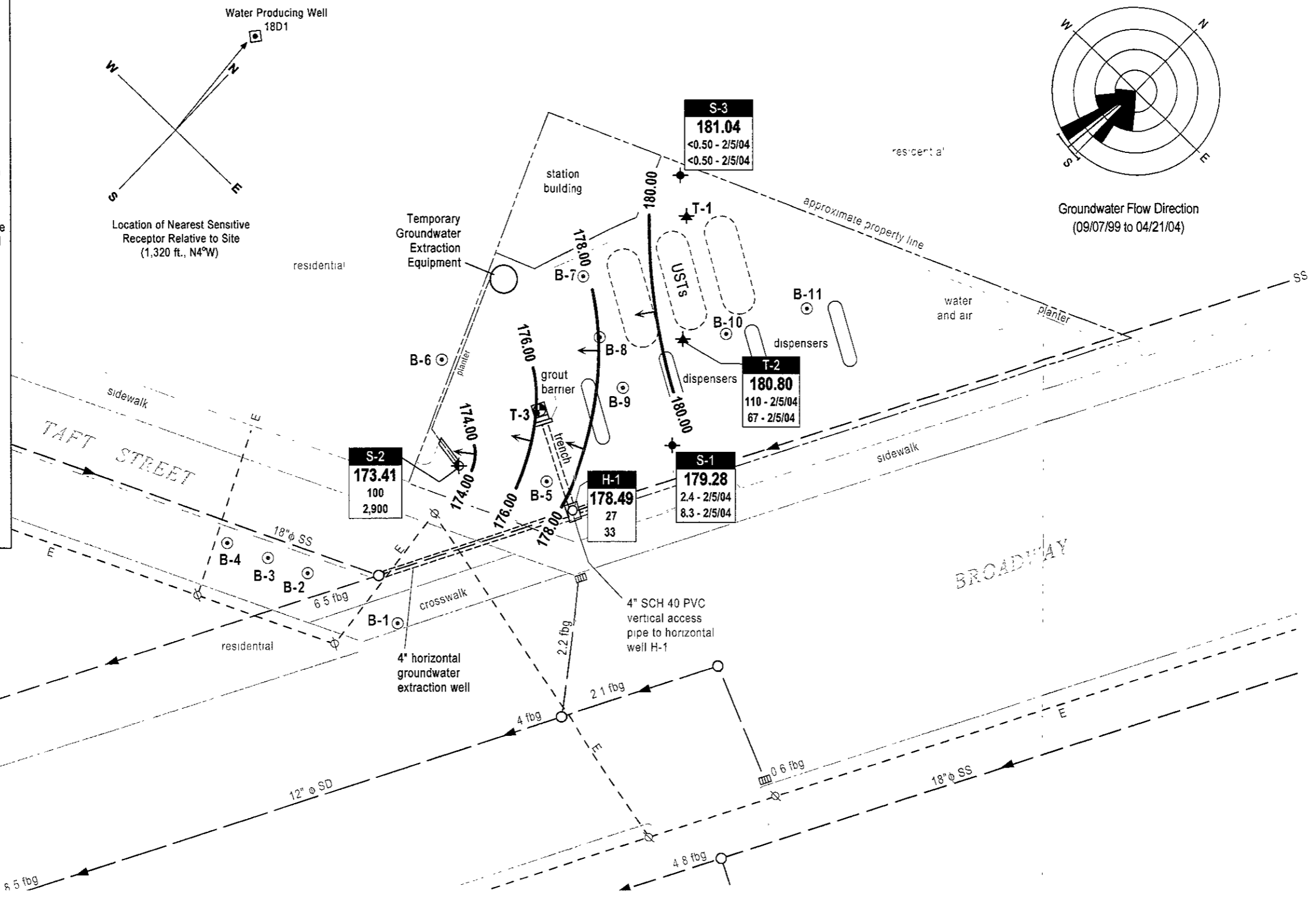
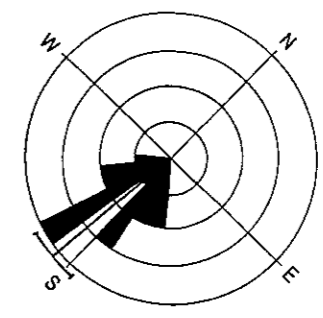
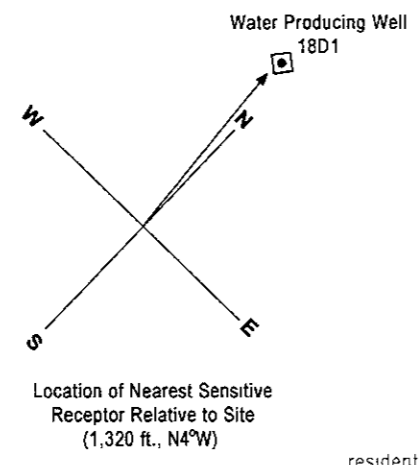


FIGURE 2



Table 1. Groundwater Extraction System Mass Removal Data, Shell-branded Service Station, Incident #98995756, 5755 Broadway, California

| Date | Period | Cumulative | Estimated | | TPHg | TPHg | Cumulative | Benzene | Benzene | Cumulative | MTBE | MTBE | Cumulative |
|---------------------------------|--------|---------------|-----------|----------|-------------------------------|----------|--------------|---------------|----------|--------------|---------------|----------|--------------|
| Baker Tank | Volume | Volume | System | Sample | Concentration | Removed | Removed | Concentration | Removed | Removed | Concentration | Removed | Removed |
| Purged | (gal) | (gal) | Flow Rate | Date | (ppb) | (pounds) | (pounds) | (ppb) | (pounds) | (pounds) | (ppb) | (pounds) | (pounds) |
| 10/28/03 | 0 | 0 | 0.00 | 08/27/03 | 31,000 | 0.000 | 0.000 | 630 | 0.000 | 0.000 | 15,000 | 0.000 | 0.000 |
| 11/25/03 | 2,701 | 2,701 | 0.07 | 11/25/03 | 8,400 | 0.189 | 0.189 | <50 | 0.001 | 0.001 | 4,500 | 0.101 | 0.101 |
| 12/19/03 | 963 | 3,664 | 0.03 | 12/19/03 | <5,000 | 0.020 | 0.209 | <50 | 0.000 | 0.001 | 2,600 | 0.021 | 0.122 |
| Not Purged | 0 | 3,664 | NM | 01/08/04 | <2,500 | 0.000 | 0.209 | 180 | 0.000 | 0.001 | 3,000 | 0.000 | 0.122 |
| Not Purged | 0 | 3,664 | NM | 02/03/04 | <2,500 | 0.000 | 0.209 | 80 | 0.000 | 0.001 | 3,200 | 0.000 | 0.122 |
| 02/04/04 | 3,727 | 7,391 | 0.06 | 02/03/04 | <2,500 | 0.039 | 0.248 | 80 | 0.002 | 0.003 | 3,200 | 0.100 | 0.222 |
| Not Purged | 0 | 7,391 | NM | 02/10/04 | <2,500 | 0.000 | 0.248 | 130 | 0.000 | 0.003 | 3,800 | 0.000 | 0.222 |
| Not Purged | 0 | 7,391 | NM | 04/13/04 | 4,400 | 0.000 | 0.248 | 520 | 0.000 | 0.003 | 6,500 | 0.000 | 0.222 |
| 04/14/04 | 3,693 | 11,084 | 0.04 | 04/13/04 | 4,400 | 0.136 | 0.384 | 520 | 0.016 | 0.019 | 6,500 | 0.200 | 0.422 |
| Not Purged | 0 | 11,084 | NM | 05/14/04 | <2,500 | 0.000 | 0.384 | 38 | 0.000 | 0.019 | 2,900 | 0.000 | 0.422 |
| Not Purged | 0 | 11,084 | NM | 06/08/04 | <2,500 | 0.000 | 0.384 | 82 | 0.000 | 0.019 | 2,400 | 0.000 | 0.422 |
| 06/23/04 | 3,639 | 14,723 | NM | 06/23/04 | <2,500 | 0.038 | 0.422 | 82 | 0.002 | 0.022 | 2,400 | 0.073 | 0.495 |
| Total Gallons Extracted: | | 14,723 | | | Total Pounds Removed: | | 0.422 | | | 0.022 | | | 0.495 |
| Average Flow Rate: | | 0.04 | | | Total Gallons Removed: | | 0.069 | | | 0.003 | | | 0.030 |

Abbreviations & Notes:

TPHg = Total purgeable hydrocarbons as gasoline

MTBE = Methyl tertiary butyl ether

ppb = Parts per billion, equivalent to µg/L

Not Purged = The baker tank is emptied as needed when full. Volume is measured based on periodic baker tank pumpouts. Tank is not pumped during every sampling event.

NM = If baker tank is not emptied, no new period volume is calculated. Therefore, period flow rate is not calculated for every sampling event

µg = Micrograms

L = Liter

gal = Gallon

g = Gram

TPHg and benzene analyzed by EPA Method 8015/8020 or equivalent.

MTBE analyzed by EPA Method 8260.

When constituents are not detected, the concentration is assumed to be equal to half the detection limit in subsequent calculations.

Mass removed (pounds) based on the formula: volume(gal) x concentration(µg/L) x (g/10⁶µg) x (pound/453.6g) x (3.785 L/gal)

Volume removed (gallons) based on the formula: [mass(pounds) x 453.6(g/pound) x (gal/3.785L) x (L/1000cm³)] / density(g/cm³)

Density inputs. TPHg = 0.73 g/cm³, benzene = 0.88 g/cm³, MTBE = 0.74 g/cm³

Note Groundwater is extracted from well S-2 using a submersible groundwater pump, and contained in a 6,500 gallon baker tank. The baker tank is periodically emptied using vacuum trucks provided by Onyx Industrial. The water is disposed of at Shell's Martinez facility

Note Concentrations based on most recent groundwater monitoring results for well S-2

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 27, 2004

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

Second Quarter 2004 Groundwater Monitoring at
Shell-branded Service Station
5755 Broadway
Oakland, CA

Monitoring performed on April 21, 2004

Groundwater Monitoring Report **040421-BA-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. 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/ks

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Oakland, CA 94608

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
| S-1 | 01/25/1991 | <30 | <0.3 | <0.3 | <0.3 | <0.3 | NA | NA | 100.00 | 3.88 | 96.12 | NA |
| S-1 | 06/03/1991 | <30 | <0.3 | <0.3 | <0.3 | <0.3 | NA | NA | 100.00 | 3.51 | 96.49 | NA |
| S-1 | 08/30/1991 | <30 | <0.3 | <0.3 | <0.3 | <0.3 | NA | NA | 100.00 | 4.24 | 95.76 | NA |
| S-1 | 11/22/1991 | <30 | 2.3 | <0.46 | 0.3 | <0.65 | NA | NA | 100.00 | 4.29 | 95.71 | NA |
| S-1 | 03/13/1992 | <30 | <0.52 | <0.3 | <0.3 | <0.3 | NA | NA | 100.00 | 2.87 | 97.13 | NA |
| S-1 | 05/28/1992 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.79 | 96.21 | NA |
| S-1 | 08/19/1992 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 4.43 | 95.57 | NA |
| S-1 | 11/18/1992 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 4.34 | 95.66 | NA |
| S-1 | 02/10/1993 | 51 | 1.4 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 4.20 | 95.80 | NA |
| S-1 (D) | 02/10/1993 | <50 | 1.2 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 4.20 | 95.80 | NA |
| S-1 | 06/11/1993 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.39 | 96.61 | NA |
| S-1 | 08/03/1993 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.69 | 96.31 | NA |
| S-1 | 11/02/1993 | 70a | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 4.26 | 95.74 | NA |
| S-1 | 12/16/1993 | NA | NA | NA | NA | NA | NA | NA | 100.00 | 2.73 | 97.27 | NA |
| S-1 | 02/01/1994 | 60a | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.38 | 96.62 | NA |
| S-1 | 05/04/1994 | <50 | 1.1 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.00 | 97.00 | NA |
| S-1 | 08/18/1994 | <50 | 0.6 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.70 | 96.30 | NA |
| S-1 (D) | 08/18/1994 | 60a | 0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.70 | 96.30 | NA |
| S-1 | 11/09/1994 | <50 | 4 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 2.52 | 97.48 | NA |
| S-1 | 02/22/1995 | 50 | 0.8 | 0.7 | <0.5 | 1.3 | NA | NA | 100.00 | 4.08 | 95.92 | NA |
| S-1 | 05/02/1995 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 2.58 | 97.42 | NA |
| S-1 | 08/30/1995 | <50 | 1.7 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.48 | 96.52 | NA |
| S-1 | 11/28/1995 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.99 | 96.01 | NA |
| S-1 | 02/02/1996 | <50 | 11 | <0.5 | 0.9 | <0.5 | NA | NA | 100.00 | 2.00 | 98.00 | NA |
| S-1 | 03/09/1996 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 100.00 | 3.38 | 99.62 | NA |
| S-1 | 08/22/1996 | <50 | 1.5 | <0.5 | <0.5 | <0.5 | 130 | NA | 100.00 | 3.43 | 96.57 | NA |
| S-1 | 11/07/1996 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | 57 | NA | 100.00 | 3.70 | 96.30 | 4.33 |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|---------------------------|--------------------------|------------------------|
| S-1 | 02/20/1997 | <50 | 0.64 | <0.50 | <0.50 | 1.6 | 6.5 | NA | 100.00 | 3.60 | 96.40 | 2 |
| S-1 | 05/30/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 46 | NA | 100.00 | 3.47 | 96.53 | 7 |
| S-1 (D) | 05/30/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 47 | NA | 100.00 | 3.47 | 96.53 | 7 |
| S-1 | 08/21/1997 | <50 | <0.50 | <0.50 | <0.50 | 0.84 | 26 | NA | 100.00 | 3.01 | 96.99 | 3.1 |
| S-1 | 11/03/1997 | <50 | <0.50 | 1.1 | <0.50 | 1.3 | 190 | NA | 100.00 | 3.66 | 96.34 | 2 |
| S-1 | 01/20/1998 | 110 | 7.9 | 2.8 | 4.4 | 13 | 53 | NA | 100.00 | 1.84 | 98.16 | 4.6 |
| S-1 (D) | 01/20/1998 | 130 | 9.2 | 6.9 | 5.2 | 15 | 93 | NA | 100.00 | 1.84 | 98.16 | 4.6 |
| S-1 | 02/16/1999 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | 8.6 | NA | 100.00 | 2.43 | 97.57 | 2.2 |
| S-1 | 09/07/1999 | NA | NA | NA | NA | NA | NA | NA | 100.00 | 2.84 | 97.16 | NA |
| S-1 | 02/02/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 202 | NA | 100.00 | 3.10 | 96.90 | 2.1 |
| S-1 | 04/26/2000 | NA | NA | NA | NA | NA | NA | NA | 100.00 | 2.91 | 97.09 | NA |
| S-1 | 07/25/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 811 | NA | 100.00 | 3.21 | 96.79 | 1.8 |
| S-1 | 11/15/2000 | NA | NA | NA | NA | NA | NA | NA | 100.00 | 3.18 | 96.82 | NA |
| S-1 | 02/12/2001 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | 209 | NA | 100.00 | 1.34 | 98.66 | 2.2 |
| S-1 | 06/07/2001 | NA | NA | NA | NA | NA | NA | NA | 100.00 | 1.27 | 98.73 | NA |
| S-1 | 08/31/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | <5.0 | 100.00 | 3.16 | 96.84 | 4.0 |
| S-1 | 12/05/2001 | NA | NA | NA | NA | NA | NA | 2.6 | 100.00 | 1.90 | 98.10 | NA |
| S-1 | 01/31/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | <5.0 | 100.00 | 2.67 | 97.33 | NA |
| S-1 | 06/04/2002 | NA | NA | NA | NA | NA | NA | NA | 100.00 | 1.87 | 98.13 | NA |
| S-1 | 07/25/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | <5.0 | 100.00 | 2.01 | 97.99 | NA |
| S-1 | 11/07/2002 | NA | NA | NA | NA | NA | NA | NA | 181.89 | 3.01 | 178.88 | NA |
| S-1 | 11/14/2002 | NA | NA | NA | NA | NA | NA | NA | 181.89 | 3.40 | 178.49 | NA |
| S-1 | 01/30/2003 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | 27 | 181.89 | 2.12 | 179.77 | NA |
| S-1 | 06/03/2003 | NA | NA | NA | NA | NA | NA | NA | 181.89 | 1.83 | 180.06 | NA |
| S-1 | 08/27/2003 | <50 | 0.50 | 1.5 | <0.50 | 2.0 | NA | 130 | 181.89 | 3.32 | 178.57 | NA |
| S-1 | 11/25/2003 | NA | NA | NA | NA | NA | NA | NA | 181.89 | 3.28 | 178.61 | NA |
| S-1 | 02/05/2004 | 270 | 2.4 | 6.4 | 5.8 | 19 | NA | 8.3 | 181.89 | 2.09 | 179.80 | NA |
| S-1 | 04/21/2004 | NA | NA | NA | NA | NA | NA | NA | 181.89 | 2.61 | 179.28 | NA |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|

| | | | | | | | | | | | | |
|---------|------------|---------|-------|-------|------|-------|----|----|-------|------|-------|----|
| S-2 | 01/25/1991 | 450 | 140 | 1.8 | 6.2 | 15 | NA | NA | 98.92 | 4.52 | 94.40 | NA |
| S-2 | 06/03/1991 | 490 | 150 | 2.7 | 8.2 | 7 | NA | NA | 98.92 | 4.02 | 94.90 | NA |
| S-2 | 08/30/1991 | 70 | 0.37 | <0.3 | <0.3 | <0.3 | NA | NA | 98.92 | 4.70 | 94.22 | NA |
| S-2 | 11/22/1991 | 1,600 | 110 | 9.3 | 29 | 150 | NA | NA | 98.92 | 4.72 | 94.20 | NA |
| S-2 | 03/13/1992 | 1,300 | 210 | 5.7 | 34 | 79 | NA | NA | 98.92 | 3.47 | 95.45 | NA |
| S-2 | 05/28/1992 | 100 | 28 | <0.5 | <0.5 | <0.5 | NA | NA | 98.92 | 4.45 | 94.45 | NA |
| S-2 | 08/19/1992 | 470 | 42 | <0.5 | 8.3 | 4 | NA | NA | 98.92 | 4.84 | 94.08 | NA |
| S-2 | 11/18/1992 | 490 | 43 | 39 | 17 | 29 | NA | NA | 98.92 | 4.73 | 94.19 | NA |
| S-2 | 02/10/1993 | 19,000 | 710 | 760 | 80 | 370 | NA | NA | 98.92 | 4.83 | 94.09 | NA |
| S-2 | 06/11/1993 | 33,000 | 3,100 | 1,600 | 370 | 1,100 | NA | NA | 98.92 | 3.74 | 95.18 | NA |
| S-2 | 08/03/1993 | 18,000 | 1,400 | 130 | 81 | 130 | NA | NA | 98.92 | 4.23 | 94.69 | NA |
| S-2 (D) | 08/03/1993 | 19,000 | 1,400 | 140 | 86 | 150 | NA | NA | 98.92 | 4.23 | 94.69 | NA |
| S-2 | 11/02/1993 | 12,000a | 470 | 47 | 31 | 92 | NA | NA | 98.92 | 4.72 | 94.20 | NA |
| S-2 (D) | 11/02/1993 | 13,000a | 530 | 47 | 35 | 96 | NA | NA | 98.92 | 4.72 | 94.20 | NA |
| S-2 | 12/16/1993 | NA | NA | NA | NA | NA | NA | NA | 98.92 | 3.00 | 95.92 | NA |
| S-2 | 02/01/1994 | 31,000a | 430 | 46 | 50 | 130 | NA | NA | 98.92 | 3.48 | 95.44 | NA |
| S-2 (D) | 02/01/1994 | 31,000a | 300 | 33 | 30 | 100 | NA | NA | 98.92 | 3.48 | 95.44 | NA |
| S-2 | 05/04/1994 | 3,900 | 1,200 | 31 | 53 | 71 | NA | NA | 98.92 | 3.26 | 95.66 | NA |
| S-2 (D) | 05/04/1994 | 4,500 | 1,200 | 37 | 57 | 110 | NA | NA | 98.92 | 3.26 | 95.66 | NA |
| S-2 | 08/18/1994 | 24,000 | 600 | 8.3 | 15 | 27 | NA | NA | 98.92 | 3.98 | 94.94 | NA |
| S-2 | 11/09/1994 | 1,400a | 240 | 9.3 | 13 | 20 | NA | NA | 98.92 | 3.10 | 95.82 | NA |
| S-2 (D) | 11/09/1994 | 1,800 | 260 | 8.5 | 13 | 21 | NA | NA | 98.92 | 3.10 | 95.82 | NA |
| S-2 | 02/22/1995 | 29,000 | 550 | 18 | 12 | 63 | NA | NA | 98.92 | 4.02 | 94.90 | NA |
| S-2 (D) | 02/22/1995 | 28,000 | 530 | 17 | 10 | 60 | NA | NA | 98.92 | 4.02 | 94.90 | NA |
| S-2 | 05/02/1995 | 4,400 | 1,000 | 25 | 38 | 77 | NA | NA | 98.92 | 2.86 | 96.06 | NA |
| S-2 (D) | 05/02/1995 | 4,400 | 1,000 | 26 | 41 | 83 | NA | NA | 98.92 | 2.86 | 96.06 | NA |
| S-2 | 08/30/1995 | 800 | 350 | 20 | 6.7 | 16 | NA | NA | 98.92 | 4.06 | 94.86 | NA |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|---------------------------|--------------------------|------------------------|
| S-2 (D) | 08/30/1995 | 960 | 220 | 22 | 12 | 48 | NA | NA | 98.92 | 4.06 | 94.86 | NA |
| S-2 | 11/28/1995 | 2,000 | 230 | 220 | 50 | 230 | NA | NA | 98.92 | 4.48 | 94.44 | NA |
| S-2 (D) | 11/28/1995 | 2,100 | 240 | 230 | 51 | 230 | NA | NA | 98.92 | 4.48 | 94.44 | NA |
| S-2 | 02/02/1996 | 18,000 | 540 | 18 | 12 | 22 | NA | NA | 98.92 | 1.99 | 96.93 | NA |
| S-2 (D) | 02/02/1996 | 11,000 | 600 | 18 | 13 | 28 | NA | NA | 98.92 | 1.99 | 96.93 | NA |
| S-2 | 03/09/1996 | 3,800 | 1,500 | 27 | 30 | 58 | NA | NA | 98.92 | 3.27 | 95.65 | NA |
| S-2 (D) | 03/09/1996 | 3,500 | 1,300 | 24 | 21 | 53 | NA | NA | 98.92 | 3.27 | 95.65 | NA |
| S-2 | 08/22/1996 | <20,000 | 490 | <200 | <200 | <200 | 43,000 | NA | 98.92 | 3.85 | 95.07 | NA |
| S-2 (D) | 08/22/1996 | <20,000 | 570 | <200 | <200 | <200 | 59,000 | 51,000 | 98.92 | 3.85 | 95.07 | NA |
| S-2 | 11/07/1996 | <5,000 | 290 | <50 | <50 | <50 | 32,000 | NA | 98.92 | 4.00 | 94.92 | 3.51 |
| S-2 (D) | 11/07/1996 | <5,000 | 290 | <50 | <50 | <50 | 32,000 | NA | 98.92 | 4.00 | 94.92 | 3.51 |
| S-2 | 02/20/1997 | <10,000 | 520 | <100 | <100 | <100 | 28,000 | NA | 98.92 | 3.20 | 95.72 | 1 |
| S-2 (D) | 02/20/1997 | <10,000 | 520 | <100 | <100 | <100 | 35,000 | NA | 98.92 | 3.20 | 95.72 | 1 |
| S-2 | 05/30/1997 | 150 | 15 | 11 | 3.5 | 15 | 11 | NA | 98.92 | 3.87 | 95.05 | 6 |
| S-2 | 08/21/1997 | 1,600 | 220 | <10 | 20 | <10 | 18,000 | NA | 98.92 | 3.29 | 95.63 | 3.3 |
| S-2 (D) | 08/21/1997 | 1,500 | 180 | <10 | 16 | <10 | 21,000 | NA | 98.92 | 3.29 | 95.63 | 3.3 |
| S-2 | 11/03/1997 | 1,000 | 94 | <10 | <10 | <10 | <50 | NA | 98.92 | 4.02 | 94.90 | 1.8 |
| S-2 | 01/20/1998 | 590 | 110 | 8.3 | 18 | 23 | 7,800 | NA | 98.92 | 1.54 | 97.38 | 3.2 |
| S-2 | 07/23/1998 | 2,600 | 840 | <10 | 44 | 22 | 15,000 | NA | 98.92 | 2.89 | 96.03 | NA |
| S-2 | 02/16/1999 | 680 | 140 | 6.1 | 10 | 18 | 19,000 | NA | 98.92 | 1.86 | 97.06 | 2.0 |
| S-2 | 09/07/1999 | <2,000 | 248 | <20.0 | <20.0 | <20.0 | 22,800 | NA | 98.92 | 3.66 | 95.26 | 1.8 |
| S-2 | 02/02/2000 | 103 | 0.825 | <0.500 | <0.500 | <0.500 | 11,700 | 10,500 | 98.92 | 4.02 | 94.90 | 2.0 |
| S-2 | 04/26/2000 | 4,040 | 799 | <20.0 | 40.9 | 255 | 19,000 | 17,100b | 98.92 | 2.63 | 96.29 | 2.3 |
| S-2 | 07/25/2000 | 1,120 | 195 | 5.94 | 5.62 | 11.3 | 26,600 | 21,100 | 98.92 | 3.42 | 95.50 | 0.6 |
| S-2b | 11/15/2000 | 613 | 35.6 | <5.00 | <5.00 | 7.36 | 18,100 | 17,800 | 98.92 | 3.31 | 95.61 | 1.8 |
| S-2 | 02/12/2001 | 9,010 | 1,430 | <20.0 | 219 | 848 | 28,300 | 17,000 | 98.92 | 1.47 | 97.45 | 2.0 |
| S-2 | 06/07/2001 | 31,000 | 1,000 | <25 | 630 | 3,200 | NA | 17,000 | 98.92 | 3.43 | 95.49 | 10.4 |
| S-2 | 08/31/2001 | 50,000 | 950 | <20 | 1,500 | 6,000 | NA | 17,000 | 98.92 | 4.72 | 94.20 | 0.9 |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|

| | | | | | | | | | | | | |
|-----|--------------|-------------------|-----|------|-------|-------|----|--------|--------|------|--------|----|
| S-2 | 12/05/2001 | 49,000 | 590 | 7.2 | 1,400 | 4,900 | NA | 11,000 | 98.92 | 1.53 | 97.39 | NA |
| S-2 | 01/31/2002 | 37,000 | 860 | <25 | 1,100 | 4,000 | NA | 14,000 | 98.92 | 2.13 | 96.79 | NA |
| S-2 | 06/04/2002 | 150,000 | 800 | <20 | 1,200 | 4,000 | NA | 9,200 | 98.92 | 2.24 | 96.68 | NA |
| S-2 | 07/25/2002 | 37,000 | 350 | <20 | 660 | 2,400 | NA | 10,000 | 98.92 | 2.03 | 96.89 | NA |
| S-2 | 11/14/2002 | 25,000 | 510 | <25 | 590 | 2,000 | NA | 10,000 | 180.79 | 3.17 | 177.62 | NA |
| S-2 | 01/02/2003 | NA | 710 | <25 | 560 | 2,074 | NA | NA | 180.79 | 2.15 | 178.64 | NA |
| S-2 | 01/30/2003 | 21,000 | 670 | <20 | 360 | 1,200 | NA | 9,300 | 180.79 | 2.09 | 178.70 | NA |
| S-2 | 06/03/2003 | 42,000 | 800 | <50 | 660 | 1,500 | NA | 9,600 | 180.79 | 3.08 | 177.71 | NA |
| S-2 | 08/27/2003 | 31,000 | 630 | <100 | 510 | 1,200 | NA | 15,000 | 180.79 | 2.55 | 178.24 | NA |
| S-2 | 11/25/2003 d | 8,400 a | <50 | <50 | <50 | <100 | NA | 4,500 | 180.79 | NA | NA | NA |
| S-2 | 02/05/2004 | Well inaccessible | | NA | NA | NA | NA | NA | 180.79 | NA | NA | NA |
| S-2 | 02/10/2004 d | <2,500 | 130 | <25 | <25 | <50 | NA | 3,800 | 180.79 | NA | NA | NA |
| S-2 | 04/21/2004 | 4,700 | 100 | <25 | <25 | <50 | NA | 2,900 | 180.79 | 7.38 | 173.41 | NA |

| | | | | | | | | | | | | |
|---------|------------|-------------------|------|------|------|------|----|----|--------|------|-------|----|
| S-3 | 01/25/1991 | <30 | <0.3 | <0.3 | <0.3 | <0.3 | NA | NA | 101.67 | 3.84 | 97.83 | NA |
| S-3 | 06/03/1991 | <30 | <0.3 | 0.3 | 0.3 | 0.3 | NA | NA | 101.67 | 3.25 | 98.42 | NA |
| S-3 | 08/03/1991 | <30 | <0.3 | <0.3 | <0.3 | <0.3 | NA | NA | 101.67 | 4.73 | 96.94 | NA |
| S-3 | 11/22/1991 | <30 | <0.3 | <0.3 | <0.3 | <0.3 | NA | NA | 101.67 | 4.81 | 96.86 | NA |
| S-3 | 03/13/1992 | <30 | <0.3 | 0.3 | 0.3 | 0.3 | NA | NA | 101.67 | 2.29 | 99.38 | NA |
| S-3 | 05/28/1992 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 3.62 | 98.05 | NA |
| S-3 | 08/19/1992 | <50 | <0.5 | <0.5 | <0.5 | 0.5 | NA | NA | 101.67 | 4.66 | 97.01 | NA |
| S-3 | 11/18/1992 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 4.51 | 97.16 | NA |
| S-3 | 02/10/1993 | 30 | 1.9 | 3.2 | 2.4 | 5.6 | NA | NA | 101.67 | 4.36 | 97.31 | NA |
| S-3 | 06/11/1993 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 2.91 | 98.76 | NA |
| S-3 (D) | 06/11/1993 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 2.91 | 98.76 | NA |
| S-3 | 08/03/1993 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 3.70 | 97.97 | NA |
| S-3 | 11/02/1993 | Well inaccessible | | NA | NA | NA | NA | NA | 101.67 | NA | NA | NA |
| S-3 | 12/16/1993 | NA | NA | NA | NA | NA | NA | NA | 101.67 | 2.12 | 99.55 | NA |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
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| 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) |
|---------|------------|-------------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|---------------------------|--------------------------|------------------------|
| S-3 | 02/01/1994 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 2.90 | 98.77 | NA |
| S-3 | 05/04/1994 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 2.54 | 99.13 | NA |
| S-3 | 08/18/1994 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 3.51 | 98.16 | NA |
| S-3 | 11/09/1994 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 2.44 | 99.23 | NA |
| S-3 | 02/22/1995 | 80 | <0.5 | 0.5 | <0.5 | 0.5 | NA | NA | 101.67 | 4.12 | 97.55 | NA |
| S-3 | 05/02/1995 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 2.83 | 98.84 | NA |
| S-3 | 08/30/1995 | <50 | 0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 3.16 | 98.51 | NA |
| S-3 | 11/28/1995 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 3.87 | 97.80 | NA |
| S-3 | 02/02/1996 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 2.24 | 99.43 | NA |
| S-3 | 03/09/1996 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | NA | NA | 101.67 | 3.05 | 98.62 | NA |
| S-3 | 08/22/1996 | <50 | 0.8 | <0.5 | <0.5 | <0.5 | <2.5 | NA | 101.67 | 2.85 | 98.82 | 4.6 |
| S-3 | 11/07/1996 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 | NA | 101.67 | 3.35 | 98.32 | 4.6 |
| S-3 | 02/20/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 101.67 | 3.00 | 98.67 | 1 |
| S-3 | 05/30/1997 | 140 | 14 | 10 | 3.3 | 14 | 8.6 | NA | 101.67 | 3.00 | 98.67 | 8 |
| S-3 | 08/21/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 101.67 | 2.94 | 98.73 | 3.3 |
| S-3 | 11/03/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 101.67 | 3.36 | 98.31 | 2.4 |
| S-3 (D) | 11/03/1997 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 | NA | 101.67 | 3.36 | 98.31 | 2.4 |
| S-3 | 01/20/1998 | Well inaccessible | | NA | NA | NA | NA | NA | 101.67 | NA | NA | NA |
| S-3 | 07/23/1998 | NA | NA | NA | NA | NA | NA | NA | 101.67 | 2.69 | 98.98 | NA |
| S-3 | 02/16/1999 | <50 | <0.50 | 0.92 | 0.59 | 3.9 | 3.7 | NA | 101.67 | 2.20 | 99.47 | 2.8 |
| S-3 | 09/07/1999 | NA | NA | NA | NA | NA | NA | NA | 101.67 | 2.81 | 98.86 | NA |
| S-3 | 02/02/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | 101.67 | 3.97 | 97.70 | 2.7 |
| S-3 | 04/26/2000 | NA | NA | NA | NA | NA | NA | NA | 101.67 | 2.96 | 98.71 | NA |
| S-3 | 07/25/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 101.67 | 3.00 | 98.67 | 0.8 |
| S-3 | 11/15/2000 | NA | NA | NA | NA | NA | NA | NA | 101.67 | 2.86 | 98.81 | NA |
| S-3 | 02/12/2001 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 | NA | 101.67 | 2.47 | 99.20 | 2.3 |
| S-3 | 06/07/2001 | NA | NA | NA | NA | NA | NA | NA | 101.67 | 2.78 | 98.89 | NA |
| S-3 | 08/31/2001 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | <5.0 | 101.67 | 3.94 | 97.73 | 0.5 |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|----------------------------|--------------------------|------------------------|

| | | | | | | | | | | | | |
|-----|------------|-----|-------|-------|-------|-------|----|-------|--------|------|--------|----|
| S-3 | 12/05/2001 | NA | NA | NA | NA | NA | NA | NA | 101.67 | 2.05 | 99.62 | NA |
| S-3 | 01/31/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | <5.0 | 101.67 | 2.29 | 99.38 | NA |
| S-3 | 06/04/2002 | NA | NA | NA | NA | NA | NA | NA | 101.67 | 2.56 | 99.11 | NA |
| S-3 | 07/25/2002 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | <5.0 | 101.67 | 2.70 | 98.97 | NA |
| S-3 | 11/14/2002 | NA | NA | NA | NA | NA | NA | NA | 183.54 | 3.43 | 180.11 | NA |
| S-3 | 01/30/2003 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | NA | <5.0 | 183.54 | 2.16 | 181.38 | NA |
| S-3 | 01/30/2003 | NA | NA | NA | NA | NA | NA | NA | 183.54 | 2.65 | 180.89 | NA |
| S-3 | 08/27/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | 0.55 | 183.54 | 2.75 | 180.79 | NA |
| S-3 | 11/25/2003 | NA | NA | NA | NA | NA | NA | NA | 183.54 | 2.85 | 180.69 | NA |
| S-3 | 02/05/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | NA | <0.50 | 183.54 | 2.04 | 181.50 | NA |
| S-3 | 04/21/2004 | NA | NA | NA | NA | NA | NA | NA | 183.54 | 2.50 | 181.04 | NA |

| | | | | | | | | | | | | |
|-----|------------|---------|-------|-------|-------|-------|----|------|--------|------|--------|----|
| H-1 | 12/05/2001 | 150 | <0.50 | 8.3 | 1.6 | 16 | NA | 52 | NA | 1.43 | NA | NA |
| H-1 | 01/31/2002 | 3,200 | 12 | <0.50 | 5.7 | 3.7 | NA | 650 | NA | 2.34 | NA | NA |
| H-1 | 06/04/2002 | 280,000 | <10 | 150 | 62 | 9,500 | NA | <100 | NA | 2.56 | NA | NA |
| H-1 | 07/25/2002 | 8,200 | 2.2 | 46 | 5.3 | 99 | NA | <10 | NA | 2.83 | NA | NA |
| H-1 | 11/14/2002 | 1,700 | 2.1 | 2.6 | 1.5 | 14 | NA | 380 | 180.63 | 3.74 | 176.89 | NA |
| H-1 | 01/02/2003 | NA | 1.1 | <0.50 | <0.50 | 3.6 | NA | NA | 180.63 | 1.45 | 179.18 | NA |
| H-1 | 01/30/2003 | 630 | 0.99 | 2.0 | 1.6 | 12 | NA | 21 | 180.63 | 2.10 | 178.53 | NA |
| H-1 | 06/03/2003 | 55 | <0.50 | 1.3 | <0.50 | 2.4 | NA | 2.6 | 180.63 | 3.38 | 177.25 | NA |
| H-1 | 08/27/2003 | <50 | 0.55 | <0.50 | <0.50 | 1.2 | NA | 2.8 | 180.63 | 4.10 | 176.53 | NA |
| H-1 | 11/25/2003 | 77 a | 9.7 | <0.50 | <0.50 | <1.0 | NA | 21 | 180.63 | 3.72 | 176.91 | NA |
| H-1 | 02/05/2004 | 380 | 41 | 1.2 | 5.1 | 8.0 | NA | 21 | 180.63 | 1.69 | 178.94 | NA |
| H-1 | 04/21/2004 | 640 | 27 | 0.63 | 2.0 | 2.3 | NA | 33 | 180.63 | 2.14 | 178.49 | NA |

| | | | | | | | | | | | | |
|-----|------------|----|----|----|----|----|----|----|----|------|----|----|
| T-1 | 05/30/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 2.65 | NA | NA |
| T-1 | 08/21/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 2.69 | NA | NA |
| T-1 | 11/03/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 3.09 | NA | NA |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|---------------------------|--------------------------|------------------------|
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|---------------------------|--------------------------|------------------------|

| | | | | | | | | | | | | |
|-----|--------------|-------|--------|--------|--------|--------|-------|----|--------|------|----|-----|
| T-1 | 01/20/1998 | NA | NA | NA | NA | NA | NA | NA | NA | 0.61 | NA | NA |
| T-1 | 07/23/1998 | NA | NA | NA | NA | NA | NA | NA | NA | 2.32 | NA | NA |
| T-1 | 02/16/1999 | NA | NA | NA | NA | NA | NA | NA | NA | 1.95 | NA | NA |
| T-1 | 09/07/1999 | NA | NA | NA | NA | NA | NA | NA | NA | 2.48 | NA | NA |
| T-1 | 02/02/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | NA | 2.66 | NA | 2.5 |
| T-1 | 04/26/2000 | NA | NA | NA | NA | NA | NA | NA | NA | 2.56 | NA | NA |
| T-1 | 07/25/2000 | NA | NA | NA | NA | NA | NA | NA | NA | 2.60 | NA | NA |
| T-1 | 11/15/2000 | NA | NA | NA | NA | NA | NA | NA | NA | 2.47 | NA | NA |
| T-1 | 02/12/2001 | NA | NA | NA | NA | NA | NA | NA | NA | 1.20 | NA | NA |
| T-1 | 06/07/2001 | NA | NA | NA | NA | NA | NA | NA | NA | 2.36 | NA | NA |
| T-1 | 08/31/2001 | NA | NA | NA | NA | NA | NA | NA | NA | 3.45 | NA | NA |
| T-1 | 01/09/2002 c | NA | NA | NA | NA | NA | NA | NA | 183.08 | NA | NA | NA |

| | | | | | | | | | | | | |
|-----|------------|-------|------|------|-------|------|-------|-----|----|------|----|-----|
| T-2 | 05/30/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 1.81 | NA | NA |
| T-2 | 08/21/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 1.89 | NA | NA |
| T-2 | 11/03/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 2.25 | NA | NA |
| T-2 | 01/20/1998 | NA | NA | NA | NA | NA | NA | NA | NA | 0.55 | NA | NA |
| T-2 | 07/23/1998 | NA | NA | NA | NA | NA | NA | NA | NA | 1.21 | NA | NA |
| T-2 | 02/16/1999 | NA | NA | NA | NA | NA | NA | NA | NA | 1.08 | NA | NA |
| T-2 | 09/07/1999 | NA | NA | NA | NA | NA | NA | NA | NA | 0.72 | NA | NA |
| T-2 | 02/02/2000 | 1,540 | 53.4 | 20.8 | 11.4 | 21.8 | 1,330 | NA | NA | 0.98 | NA | 3.0 |
| T-2 | 04/26/2000 | NA | NA | NA | NA | NA | NA | NA | NA | 1.02 | NA | NA |
| T-2 | 07/25/2000 | 815 | 17.6 | 10.8 | 1.63 | 3.47 | 133 | NA | NA | 1.80 | NA | 0.8 |
| T-2 | 11/15/2000 | NA | NA | NA | NA | NA | NA | NA | NA | 1.68 | NA | NA |
| T-2 | 02/12/2001 | 310 | 7.48 | 7.76 | 0.693 | 2.28 | 301 | NA | NA | 1.45 | NA | 1.6 |
| T-2 | 06/07/2001 | NA | NA | NA | NA | NA | NA | NA | NA | 1.57 | NA | NA |
| T-2 | 08/31/2001 | 720 | 30 | 0.67 | <0.50 | 2.3 | NA | 540 | NA | 2.69 | NA | 0.8 |
| T-2 | 12/05/2001 | NA | NA | NA | NA | NA | NA | NA | NA | 0.58 | NA | NA |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|--------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|---------------------------|--------------------------|------------------------|
| T-2 | 01/31/2002 | NA | NA | NA | NA | NA | NA | NA | NA | 1.32 | NA | NA |
| T-2 | 02/04/2002 | 1,000 | 41 | 30 | 4.6 | 20 | NA | 1,200 | NA | 1.46 | NA | NA |
| T-2 | 06/04/2002 | NA | NA | NA | NA | NA | NA | NA | NA | 1.50 | NA | NA |
| T-2 | 07/25/2002 | 660 | 11 | 0.59 | <0.50 | 2.6 | NA | 97 | NA | 1.53 | NA | NA |
| T-2 | 11/14/2002 | NA | NA | NA | NA | NA | NA | NA | 182.30 | 2.39 | 179.91 | NA |
| T-2 | 01/30/2003 | 560 | 11 | <0.50 | <0.50 | 0.53 | NA | 160 | 182.30 | 1.01 | 181.29 | NA |
| T-2 | 06/03/2003 | NA | NA | NA | NA | NA | NA | NA | 182.30 | 1.55 | 180.75 | NA |
| T-2 | 08/27/2003 | 180 a | 1.6 | <0.50 | <0.50 | <1.0 | NA | 10 | 182.30 | 1.60 | 180.70 | NA |
| T-2 | 11/25/2003 | NA | NA | NA | NA | NA | NA | NA | 182.30 | 1.64 | 180.66 | NA |
| T-2 | 02/05/2004 | 940 | 110 | 10 | 2.4 | 14 | NA | 67 | 182.30 | 0.66 | 181.64 | NA |
| T-2 | 04/21/2004 | NA | NA | NA | NA | NA | NA | NA | 182.30 | 1.50 | 180.80 | NA |
| T-3 | 05/30/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 2.31 | NA | NA |
| T-3 | 08/21/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 1.57 | NA | NA |
| T-3 | 11/03/1997 | NA | NA | NA | NA | NA | NA | NA | NA | 3.50 | NA | NA |
| T-3 | 01/20/1998 | NA | NA | NA | NA | NA | NA | NA | NA | 0.76 | NA | NA |
| T-3 | 07/23/1998 | NA | NA | NA | NA | NA | NA | NA | NA | 0.82 | NA | NA |
| T-3 | 02/16/1999 | NA | NA | NA | NA | NA | NA | NA | NA | 0.55 | NA | NA |
| T-3 | 09/07/1999 | NA | NA | NA | NA | NA | NA | NA | NA | 2.89 | NA | NA |
| T-3 | 02/02/2000 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <5.00 | NA | NA | 3.02 | NA | 2.9 |
| T-3 | 04/26/2000 | NA | NA | NA | NA | NA | NA | NA | NA | 2.81 | NA | NA |
| T-3 | 07/25/2000 | NA | NA | NA | NA | NA | NA | NA | NA | 3.00 | NA | NA |
| T-3 | 11/15/2000 | NA | NA | NA | NA | NA | NA | NA | NA | 1.70 | NA | NA |
| T-3 | 02/12/2001 | NA | NA | NA | NA | NA | NA | NA | NA | 2.11 | NA | NA |
| T-3 | 06/07/2001 | NA | NA | NA | NA | NA | NA | NA | NA | 1.68 | NA | NA |
| T-3 | 08/31/2001 | NA | NA | NA | NA | NA | NA | NA | NA | 3.14 | NA | NA |
| T-3 | 01/09/2002 c | NA | NA | NA | NA | NA | NA | NA | 180.95 | NA | NA | NA |

WELL CONCENTRATIONS
Shell-branded Service Station
5755 Broadway
Oakland, 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) | DO Reading (ppm) |
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|---------------------------|--------------------------|------------------------|
|---------|------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|--------------|---------------------------|--------------------------|------------------------|

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 7, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 7, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

Notes:

a = Chromatogram pattern indicated an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.

b = This sample analyzed outside of EPA recommended hold time.

c = Survey date only.

d = Sampled by client, Cambria Environmental.

Site surveyed January 9, 2002, by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

May 06, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 040421-BA2
Project: 98995756
Site: 5755 Broadway, Oakland

Dear Mr. Gearhart,

Attached is our report for your samples received on 04/22/2004 15:03
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
06/06/2004 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,



Vincent Vancil
Project Manager

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771Project: 040421-BA2
98995756

Received: 04/22/2004 15:03

Site: 5755 Broadway, Oakland

Samples Reported

| Sample Name | Date Sampled | Matrix | Lab # |
|-------------|------------------|--------|-------|
| H-1 | 04/21/2004 13:00 | Water | 1 |
| S-2 | 04/21/2004 13:30 | Water | 2 |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/06/2004 13:40

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040421-BA2
98995756

Received: 04/22/2004 15:03

Site: 5755 Broadway, Oakland

| | | | |
|------------|------------------|------------|------------------|
| Prep(s): | 5030B | Test(s): | 8260B |
| Sample ID: | H-1 | Lab ID: | 2004-04-0763 - 1 |
| Sampled: | 04/21/2004 13:00 | Extracted: | 5/4/2004 02:36 |
| Matrix: | Water | QC Batch#: | 2004/05/03-2A.65 |

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|--------------------------------|-------|--------|------|----------|------------------|------|
| Gasoline | 640 | 50 | ug/L | 1.00 | 05/04/2004 02:36 | |
| Benzene | 27 | 0.50 | ug/L | 1.00 | 05/04/2004 02:36 | |
| Toluene | 0.63 | 0.50 | ug/L | 1.00 | 05/04/2004 02:36 | |
| Ethylbenzene | 2.0 | 0.50 | ug/L | 1.00 | 05/04/2004 02:36 | |
| Total xylenes | 2.3 | 1.0 | ug/L | 1.00 | 05/04/2004 02:36 | |
| Methyl tert-butyl ether (MTBE) | 33 | 0.50 | ug/L | 1.00 | 05/04/2004 02:36 | |
| Surrogate(s) | | | | | | |
| 1,2-Dichloroethane-d4 | 106.4 | 76-130 | % | 1.00 | 05/04/2004 02:36 | |
| Toluene-d8 | 99.8 | 78-115 | % | 1.00 | 05/04/2004 02:36 | |

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040421-BA2
98995756

Received: 04/22/2004 15:03

Site: 5755 Broadway, Oakland

Prep(s): 5030B Test(s): 8260B
Sample ID: S-2 Lab ID: 2004-04-0763 - 2
Sampled: 04/21/2004 13:30 Extracted: 5/4/2004 23:54
Matrix: Water QC Batch#: 2004/05/04-2A.66
Analysis Flag: o (See Legend and Note Section)

| Compound | Conc. | RL | Unit | Dilution | Analyzed | Flag |
|--------------------------------|-------|--------|------|----------|------------------|------|
| Gasoline | 4700 | 2500 | ug/L | 50.00 | 05/04/2004 23:54 | |
| Benzene | 100 | 25 | ug/L | 50.00 | 05/04/2004 23:54 | |
| Toluene | ND | 25 | ug/L | 50.00 | 05/04/2004 23:54 | |
| Ethylbenzene | ND | 25 | ug/L | 50.00 | 05/04/2004 23:54 | |
| Total xylenes | ND | 50 | ug/L | 50.00 | 05/04/2004 23:54 | |
| Methyl tert-butyl ether (MTBE) | 2900 | 25 | ug/L | 50.00 | 05/04/2004 23:54 | |
| Surrogate(s) | | | | | | |
| 1,2-Dichloroethane-d4 | 102.8 | 76-130 | % | 50.00 | 05/04/2004 23:54 | |
| Toluene-d8 | 107.6 | 78-115 | % | 50.00 | 05/04/2004 23:54 | |

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040421-BA2
98995756

Received: 04/22/2004 15:03

Site: 5755 Broadway, Oakland

| Batch QC Report | | | | | |
|--------------------------|--|-------|--|----------------------------------|--|
| Prep(s): 5030B | | | | Test(s): 8260B | |
| Method Blank | | Water | | QC Batch # 2004/05/03-2A.65 | |
| MB: 2004/05/03-2A.65-000 | | | | Date Extracted: 05/03/2004 19:00 | |

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|--------------------------------|-------|--------|------|------------------|------|
| Gasoline | ND | 50 | ug/L | 05/03/2004 19:00 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.5 | ug/L | 05/03/2004 19:00 | |
| Benzene | ND | 0.5 | ug/L | 05/03/2004 19:00 | |
| Toluene | ND | 0.5 | ug/L | 05/03/2004 19:00 | |
| Ethylbenzene | ND | 0.5 | ug/L | 05/03/2004 19:00 | |
| Total xylenes | ND | 1.0 | ug/L | 05/03/2004 19:00 | |
| Surrogates(s) | | | | | |
| 1,2-Dichloroethane-d4 | 105.4 | 76-130 | % | 05/03/2004 19:00 | |
| Toluene-d8 | 98.6 | 78-115 | % | 05/03/2004 19:00 | |

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040421-BA2
98995756

Received: 04/22/2004 15:03

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/05/04-2A.66

MB: 2004/05/04-2A.66-029

Date Extracted: 05/04/2004 21:29

| Compound | Conc. | RL | Unit | Analyzed | Flag |
|--------------------------------|-------|--------|------|------------------|------|
| Gasoline | ND | 50 | ug/L | 05/04/2004 21:29 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.5 | ug/L | 05/04/2004 21:29 | |
| Benzene | ND | 0.5 | ug/L | 05/04/2004 21:29 | |
| Toluene | ND | 0.5 | ug/L | 05/04/2004 21:29 | |
| Ethylbenzene | ND | 0.5 | ug/L | 05/04/2004 21:29 | |
| Total xylenes | ND | 1.0 | ug/L | 05/04/2004 21:29 | |
| Surrogates(s) | | | | | |
| 1,2-Dichloroethane-d4 | 106.2 | 76-130 | % | 05/04/2004 21:29 | |
| Toluene-d8 | 107.6 | 78-115 | % | 05/04/2004 21:29 | |

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040421-BA2
98995756

Received: 04/22/2004 15:03

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/05/03-2A.65

LCS: 2004/05/03-2A.65-013

Extracted: 05/03/2004

Analyzed: 05/03/2004 18:13

LCSD: 2004/05/03-2A.65-037

Extracted: 05/03/2004

Analyzed: 05/03/2004 18:37

| Compound | Conc. ug/L | | Exp.Conc. | Recovery % | | RPD | Ctrl.Limits % | | Flags | |
|--------------------------------|------------|------|-----------|------------|-------|-----|---------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Methyl tert-butyl ether (MTBE) | 23.5 | 25.3 | 25 | 94.0 | 101.2 | 7.4 | 65-165 | 20 | | |
| Benzene | 22.5 | 24.6 | 25 | 90.0 | 98.4 | 8.9 | 69-129 | 20 | | |
| Toluene | 23.5 | 24.4 | 25 | 94.0 | 97.6 | 3.8 | 70-130 | 20 | | |
| Surrogates(s) | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 502 | 507 | 500 | 100.4 | 101.4 | | 76-130 | | | |
| Toluene-d8 | 539 | 510 | 500 | 107.8 | 102.0 | | 78-115 | | | |

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040421-BA2
98995756

Received: 04/22/2004 15:03

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/05/04-2A.66

LCS 2004/05/04-2A.66-041

Extracted: 05/04/2004

Analyzed: 05/04/2004 20:41

LCSD 2004/05/04-2A.66-053

Extracted: 05/04/2004

Analyzed: 05/04/2004 21:53

| Compound | Conc. ug/L | | Exp. Conc. | Recovery % | | RPD | Ctrl. Limits % | | Flags | |
|--------------------------------|------------|------|------------|------------|-------|-----|----------------|------|-------|-----|
| | LCS | LCSD | | LCS | LCSD | | % | Rec. | RPD | LCS |
| Methyl tert-butyl ether (MTBE) | 25.6 | 24.0 | 25 | 102.4 | 96.0 | 6.5 | 65-165 | 20 | | |
| Benzene | 26.1 | 25.4 | 25 | 104.4 | 101.6 | 2.7 | 69-129 | 20 | | |
| Toluene | 25.7 | 26.4 | 25 | 102.8 | 105.6 | 2.7 | 70-130 | 20 | | |
| Surrogates(s) | | | | | | | | | | |
| 1,2-Dichloroethane-d4 | 530 | 489 | 500 | 106.0 | 97.8 | | 76-130 | | | |
| Toluene-d8 | 536 | 552 | 500 | 107.2 | 110.4 | | 78-115 | | | |

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/06/2004 13:40

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040421-BA2

98995756

Received: 04/22/2004 15:03

Site: 5755 Broadway, Oakland

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

SHELL Chain Of Custody Record

85107

Lab Identification (if necessary)

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CRMT BOLLSTON

Karen Petryna

2004.04.0763

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 5 6

SAP or CRMT NUMBER (S/CRMT)

DATE 4/21/04

PAGE: 1 of 1

| | | | | | |
|--|----------------------------|--|--|---|--|
| SAMPLING COMPANY Blaine Tech Services | | LOG CODE BTSS | SITE ADDRESS (Street and City): 5755 Broadway, Oakland | | GLOBAL ID NO. T0600101270 |
| ADDRESS 1680 Rogers Avenue, San Jose, CA 95112 | | EFP DELIVERABLE TO (Responsible Party or Designee) Ann Krenl | | PHONE NO. (510) 420-3335 | E-MAIL ShellOaklandEDF@cambrla-env.com |
| PROJECT CONTRACT (Mandatory for PDF Report file) Leon Gearhart | | SAMPLER NAME(S) (Phone) Brian Alcom | | CONSULTANT PROJECT NO. 040421-BA2 | |
| TELEPHONE 408-573-0555 | FAX 408-573-7771 | E-MAIL kgearhart@blainetech.com | | LAB USE ONLY | |

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

14 - RWQCS REPORT FORMAT UST AGENCY:

GCMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

REQUESTED ANALYSIS

| Field Sample Identification | SAMPLING DATE | SAMPLING TIME | MATRIX | NO OF CONT. | TPH - Gas, Purgeable | BTEX | MTEH (8021B - 9ppb RL) | MTBE (8260B - 1.9ppb RL) | Oxygenates (9) by (8260B) | Ethanol (8260B) | Methanol | 1,2-DCA (8260B) | EDB (8260B) | TPH - Diesel Extractable (8015m) |
|-----------------------------|---------------|---------------|--------|-------------|----------------------|------|------------------------|--------------------------|---------------------------|-----------------|----------|-----------------|-------------|----------------------------------|
| H-1 | 4/21 | 1300 | W | 3 | X | X | X | | | | | | | |
| S-2 | 4/21 | 1330 | W | 1 | X | X | X | | | | | | | |

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C:

3.0

| | | | |
|---|---|-----------------|--------------|
| Obtained by (Signature) <i>[Signature]</i> | Received by (Signature) <i>[Signature]</i> | Date 4/22/04 | Time 1507 |
| Obtained by (Signature) <i>[Signature]</i> | Received by (Signature) <i>[Signature]</i> | Date 4/22/04 | Time 1740 |

WELL GAUGING DATA

Project # 040421-B#1 Date 4/21/04 Client Shell

Site 5755 Broadway, Oakland

| | 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 | |
|------|---------|-----------------|--------------|----------------------------------|--------------------------------------|------------------------------------|----------------------|----------------------------|--------------------------|---------------|
| GO | S-1 | 3 | | | | | 2.61 | 11.13 | TOC | |
| Part | S-2 | 4 | | gauged w/pump in well | | | 7.38 | — | | Ext. Sys |
| GO | S-3 | 4 | | | | 2.50 | 9.49 | | | |
| NP | H-1 | 4 | | gauged w/stinger in well | | | 2.14 | 11.95 | | Vault Stinger |
| SAH | T-2 | 12 | | No SPH Detected | | | 1.50 | 12.95 | | ↓ |
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SHELL WELL MONITORING DATA SHEET

| | |
|--|---------------------------------------|
| BTS #: <u>040421-BA2</u> | Site: <u>5755 Broadway, Oakland</u> |
| Sampler: <u>Brian Alcorn</u> | Date: <u>4/21/04</u> |
| Well I.D.: <u>S-2</u> | Well Diameter: 2 3 <u>4</u> 6 8 _____ |
| Total Well Depth (TD): | Depth to Water (DTW): |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>(PVC)</u> 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 Positive Air Displacement Electric Submersible | Water: Peristaltic <u>Extraction Pump</u> Other: _____ | Sampling Method: Bailer Disposable Bailer <u>Extraction Pump</u> Dedicated Tubing Other: _____ |
|--|--|--|

Port Sample

| | | | |
|-----------------|-------------------|---|-------------------|
| _____ (Gals.) X | <u>N/A</u> | = | _____ Gals. |
| 1 Case Volume | Specified Volumes | | Calculated Volume |

| Well Diameter | Multipier | Well Diameter | Multipier |
|---------------|-----------|---------------|-----------------------------|
| 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. (mS or <u>µS</u>) | Turbidity (NTUs) | Gals. Removed | Observations |
|------|-----------|-----|--------------------------|------------------|---------------|--------------|
| 1330 | 67.3 | 7.3 | 914 | 7 | N/A | clear, odor |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes No Gallons actually evacuated: N/A

Sampling Date: 4/21/04 Sampling Time: 1330 Depth to Water: 7.38

Sample I.D.: S-2 Laboratory: (STL) 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 #: 040421-BA2 | Site: 5755 Broadway, Oakland |
| Sampler: Brian Alcorn | Date: 4/21/04 |
| Well I.D.: H-1 | Well Diameter: 2 3 <u>4</u> 6 8 |
| Total Well Depth (TD): 11.95 | Depth to Water (DTW): 2.14 |
| Depth to Free Product: | Thickness of Free Product (feet): |
| Referenced to: <u>PVC</u> 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~~ ~~Positive Air Displacement~~ ~~Electric Submersible~~ ~~Water~~ ~~Peristaltic~~ ~~Extraction Pump~~ ~~Other~~ Sampling Method: Bailer ~~Disposable Bailer~~ ~~Extraction Port~~ ~~Dedicated Tubing~~ Other:

No Purge

(Gals.) X N/A = _____ 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. (mS or μ S) | Turbidity (NTUs) | Gals. Removed | Observations |
|------|-----------|-----|-----------------------|------------------|---------------|--------------|
| 1300 | 68.8 | 7.9 | 626 | 8 | N/A | clear, odor |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Did well dewater? Yes No Gallons actually evacuated: N/A

Sampling Date: 4/21/04 Sampling Time: 1300 Depth to Water: 2.14

Sample I.D.: H-1 Laboratory: STL Other _____

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

EB I.D. (if applicable): @ _____ 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 |