



**RECEIVED**

By dehloptoxic at 9:15 am, Jul 12, 2006

July 11, 2006

**Denis L. Brown**

Jerry Wickham  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Shell Oil Products US**  
HSE – Environmental Services  
20945 S. Wilmington Ave.  
Carson, CA 90810-1039  
Tel (707) 865 0251  
Fax (707) 865 2542  
Email [denis.l.brown@shell.com](mailto:denis.l.brown@shell.com)

Re: Second Quarter 2006 Groundwater Monitoring Report and Groundwater Extraction System Shutdown Recommendation  
Shell-branded Service Station  
5755 Broadway  
Oakland, California  
SAP Code 135699  
Incident #98995756  
ACHCSA Case #RO 0026

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Second Quarter 2006 Groundwater Monitoring Report and Groundwater Extraction System Shutdown Recommendation* 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.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown  
Sr. Environmental Engineer

July 11, 2006

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

Re: **Second Quarter 2006 Groundwater Monitoring Report and  
Groundwater Extraction System Shutdown Recommendation**  
Shell-branded Service Station  
5755 Broadway  
Oakland, California  
SAP Code 135699  
Incident #98995756  
ACHCSA Case # RO-0026  
Cambria Project #248-0483-002



Dear Mr. Wickham:

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

## HISTORICAL REMEDIATION SUMMARY

Figures 1 and 2 show the site location. 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 notifying the Alameda County Health Care Services Agency (ACHCSA) 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.

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.

**Cambria  
Environmental  
Technology, Inc.**

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

A pump is installed in well S-2, and extracted water is stored on site in a Baker tank. Water is periodically off-hauled from the tank using a vacuum truck. Measurements of transported water are used to assess system production. Cambria samples the GWE system influent on a monthly basis to evaluate concentration trends and calculate mass removal.

Due to site interference from fuel system upgrade activities, the temporary GWE system did not operate during the first and second quarters of 2005. Because MTBE concentrations in groundwater samples collected from the site during the second quarter 2005 indicated a significant decrease since discontinuing GWE system operation, Cambria left the system off to further assess MTBE concentration trends. In response to the third quarter 2005 groundwater sample results, which indicated a rebound of concentrations in well S-2, Cambria restarted the temporary GWE system on October 14, 2005. Table 1 summarizes mass removal data from the temporary GWE system.



## SECOND QUARTER 2006 ACTIVITIES


**Groundwater Monitoring:** Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled selected 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 report and supporting field documents, is included as Attachment A.

**Temporary GWE System:** As of May 12, 2006, a total of approximately 32,043 gallons of groundwater has been extracted by the temporary GWE system since startup. This correlates to an average flow rate of approximately 0.04 gallons per minute. A total of approximately 0.616 pounds of MTBE has been removed (Table 1). The certified analytical reports for system samples collected during the second quarter 2006 are included as Attachment B.

## GWE SYSTEM SHUTDOWN RECOMMENDATION

Cambria's March 14, 2003 *Interim Remedial Action Work Plan* proposed installing a GWE system to address elevated concentrations of dissolved MTBE in groundwater at the site. As described above, a temporary GWE system was installed instead to pump from only well S-2, due to the localized nature of the groundwater impact. Cambria and Shell believe that the temporary

GWE system has sufficiently addressed dissolved MTBE in groundwater and its operation is no longer warranted.



According to the *Final Report, June 1999 East Bay Plain Groundwater Basin Beneficial Use Evaluation Report* by the California Regional Water Quality Control Board (RWQCB) San Francisco Bay Region Groundwater Committee, the city of Oakland does not have “any plans to develop local groundwater resources for drinking water purposes, because of existing or potential saltwater intrusion, contamination, or poor or limited quantity.” The temporary GWE system flow rate has ranged from 15 to 100 gallons per day (gpd), with an average of approximately 58 gpd. This data supports the argument that groundwater beneath the site is of limited quantity and not a suitable drinking water resource. The San Francisco Bay RWQCB’s environmental screening level for MTBE in groundwater where groundwater is not a current or potential drinking water resource is 1,800 parts per billion (ppb). The quarterly monitoring analytical results for MTBE concentrations across the site have been below 1,800 ppb for the past seven quarters (see Figure 3 and Attachment A). The temporary GWE system influent analytical results (which represent pumping well S-2) for MTBE concentration have been below 1,800 ppb since July 2004 (see Table 1). Given the low flow rate and low MTBE concentrations from well S-2, additional operation of the temporary GWE system will result in minimal additional mass removal. Therefore, Shell recommends discontinuing temporary GWE system operation at this site.

### **ANTICIPATED THIRD QUARTER 2006 ACTIVITIES**

**Groundwater Monitoring:** Blaine will gauge and sample selected site wells and tabulate the data. Cambria will prepare a groundwater monitoring report. As recommended in our *First Quarter 2006 Groundwater Monitoring Report*, Cambria will remove H-1 from the groundwater monitoring program prior to the third quarter 2006 event, currently scheduled for August 2006.

**Temporary GWE System:** Based on verbal approval from Jerry Wickham on July 6, 2006, Cambria shut the temporary GWE system off on July 10, 2006. Cambria is prepared to permanently remove the system upon receipt of written approval from ACHCSA.

**CLOSING**

We appreciate the opportunity to work with you on this project. Please call Cynthia Vasko at (510) 420-3344 if you have any questions or comments.

Sincerely,  
**Cambria Environmental Technology, Inc.**



*Cynthia Vasko*  
Cynthia Vasko  
Project Engineer



*Aubrey K Cool*  
for: Ana Friel, P.G.  
Associate Geologist

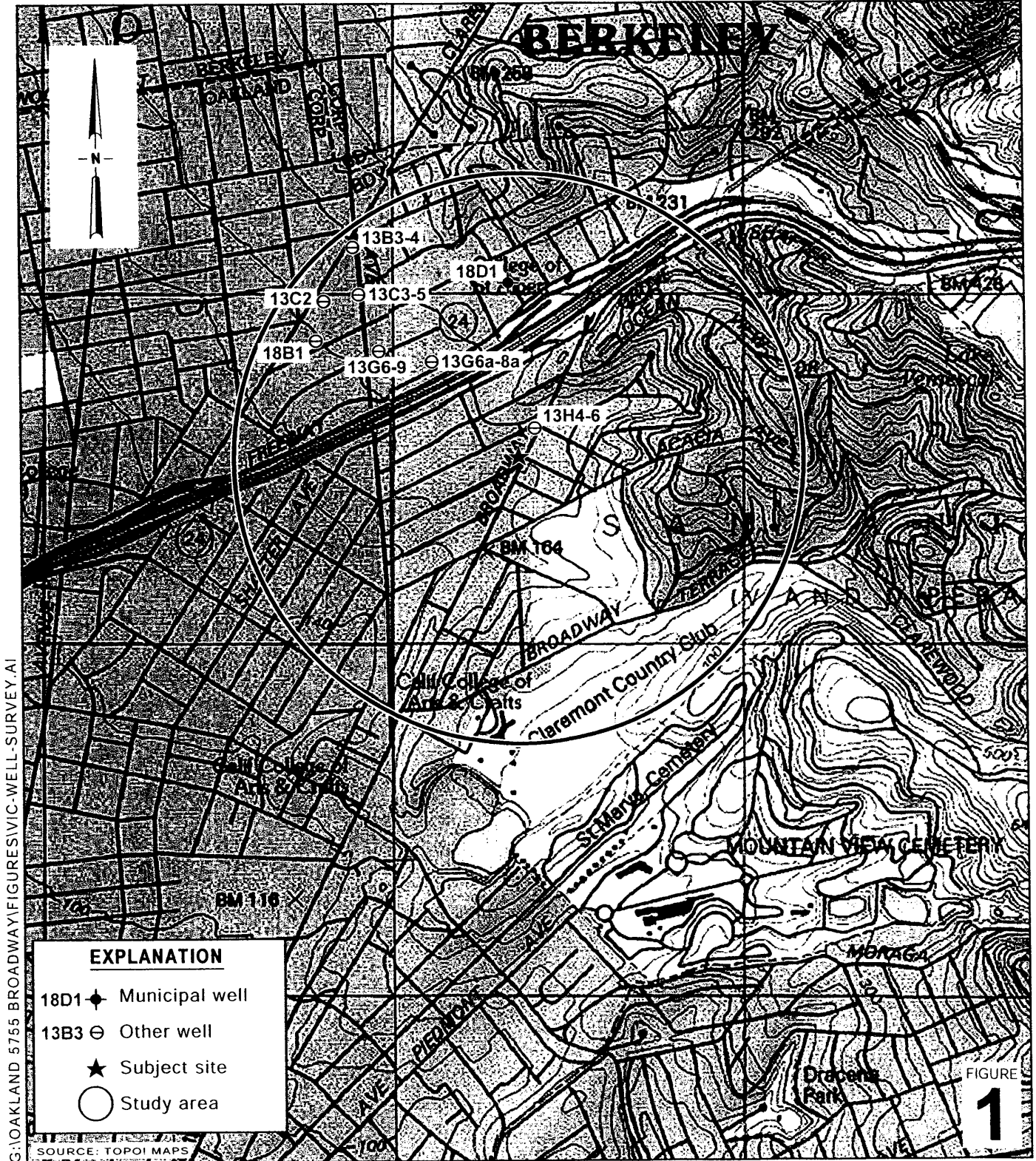
Figures: 1 - Site Vicinity and Area Well Survey Map  
2 - Groundwater Elevation Contour Map  
3 - Well S-2 MTBE Concentration Trend

Table: 1 - Groundwater Extraction System Mass Removal Data

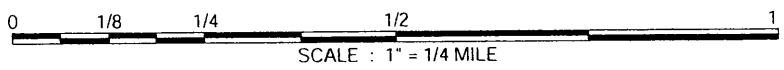
Attachments: A - Blaine Groundwater Monitoring Report and Field Notes  
B - Certified Analytical Reports

cc: Denis Brown, 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 (property owner)

G:\Oakland 5755 Broadway\QM\2006\2q06\2q06qm.doc



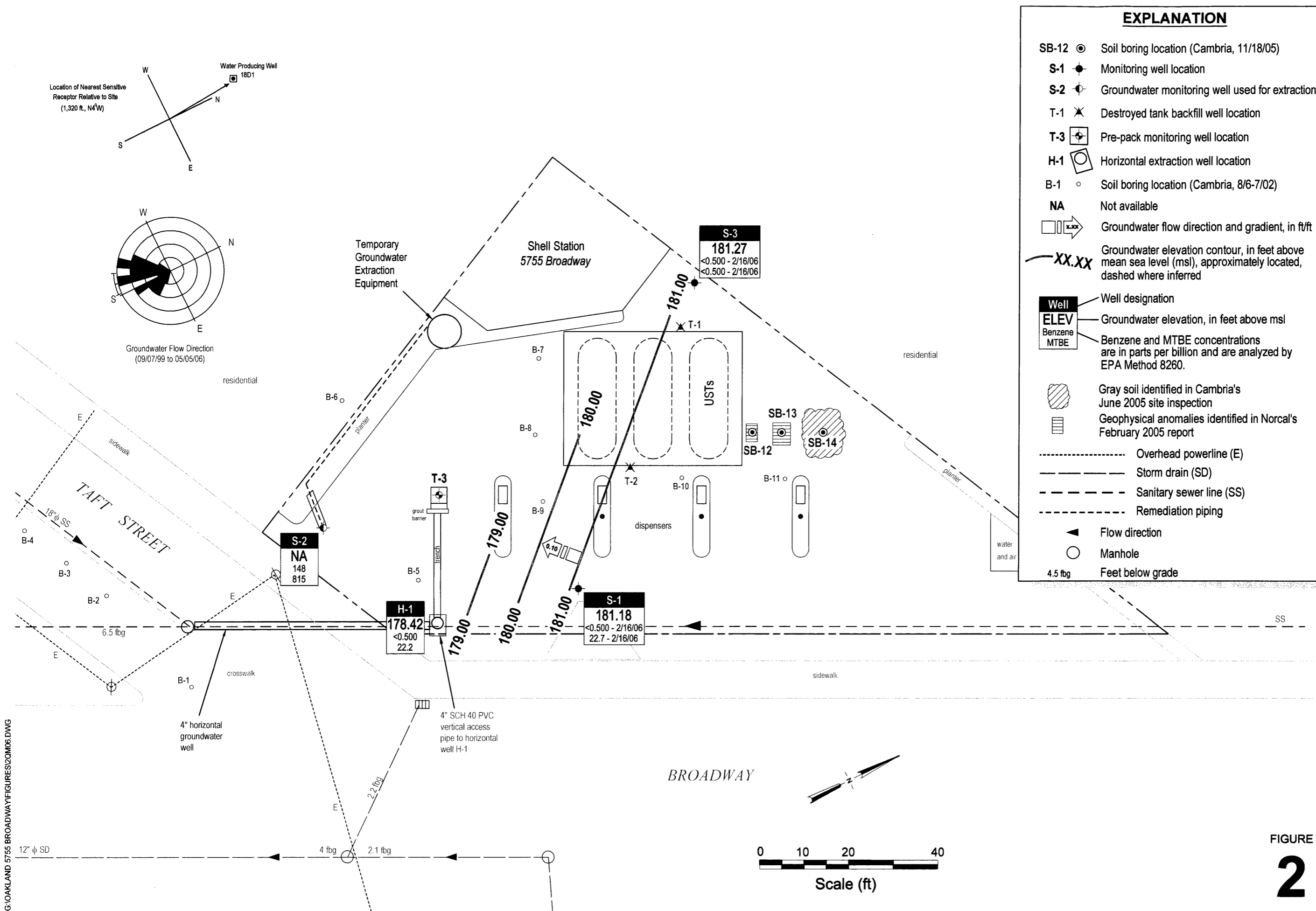
G:\OAKLAND 5755 BROADWAY\FIGURES\VIC-WELL-SURVEY.A1



**Shell-branded Service Station**  
 5755 Broadway  
 Oakland, California  
 Incident No.98995756



**Site Vicinity and Area Well  
 Survey Map**  
 (1/2-Mile Radius)



**EXPLANATION**

- SB-12 ● Soil boring location (Cambria, 11/18/05)
  - S-1 ● Monitoring well location
  - S-2 ● Groundwater monitoring well used for extraction
  - T-1 ✖ Destroyed tank backfill well location
  - T-3 ⊕ Pre-pack monitoring well location
  - H-1 □ Horizontal extraction well location
  - B-1 ○ Soil boring location (Cambria, 8/6-7/02)
  - NA Not available
  - XX.XX → Groundwater flow direction and gradient, in ft/ft
  - XX.XX — Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred
- | Well | ELEV   | Benzene          | MTBE             |
|------|--------|------------------|------------------|
| S-2  | NA     | 148              | 815              |
| H-1  | 178.42 | <0.500           | 22.2             |
| S-1  | 181.18 | <0.500 - 2/16/06 | 22.7 - 2/16/06   |
| S-3  | 181.27 | <0.500 - 2/16/06 | <0.500 - 2/16/06 |
- Gray soil identified in Cambria's June 2005 site inspection
  - Geophysical anomalies identified in Norcal's February 2005 report
  - Overhead powerline (E)
  - Storm drain (SD)
  - Sanitary sewer line (SS)
  - Remediation piping
  - Flow direction
  - Manhole
  - 4.5 fbg Feet below grade

FIGURE 2



G:\OAKLAND 5755 BROADWAY\FIGURES\2\0606.DWG

### Well S-2 MTBE Concentration Trend

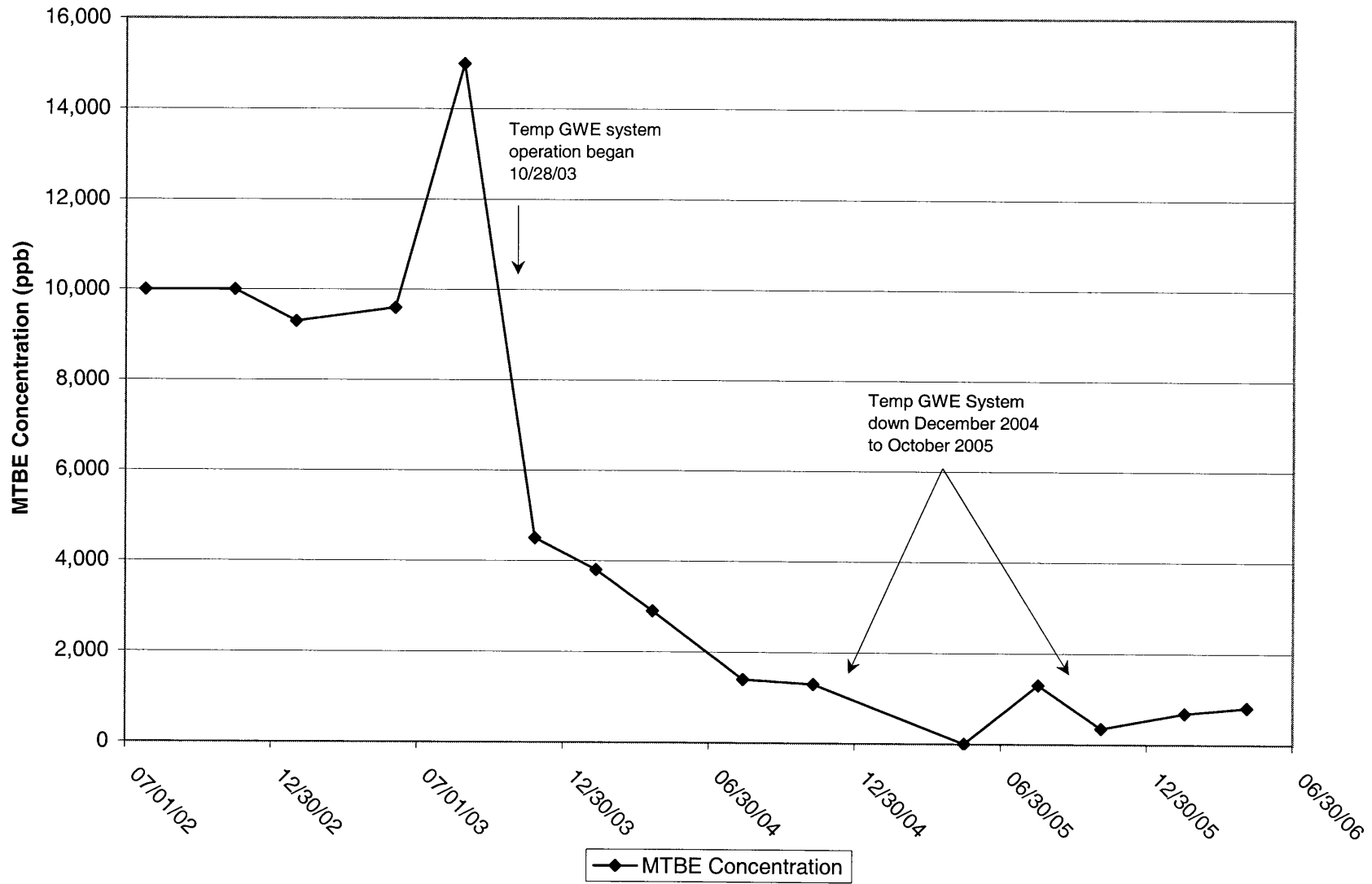


FIGURE  
**3**



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

Date	Period	Cumulative Volume Pumped	Estimated System Flow Rate	Sample Date	TPHg Concentration (ppb)	TPHg Removed (pounds)	Cumulative TPHg Removed (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Cumulative Benzene Removed (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	Cumulative MTBE Removed (pounds)
<i>Water Removed by Temporary GWE System. <sup>1</sup></i>													
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
Not Purged	0	11,084	NM	07/06/04	<1,000	0.000	0.384	110	0.000	0.019	1,500	0.000	0.422
Not Purged	0	11,084	NM	08/04/04	1,200	0.000	0.384	82	0.000	0.019	1,400	0.000	0.422
08/07/04	3,983	15,067	0.02	08/04/04	1,200	0.040	0.424	82	0.003	0.022	1,400	0.047	0.469
Not Purged	0	15,067	NM	09/03/04	<1,000	0.000	0.424	25	0.000	0.022	1,200	0.000	0.469
Not Purged	0	15,067	NM	10/07/04	7,200	0.000	0.424	170	0.000	0.022	940	0.000	0.469
11/10/04	3,288	18,355	0.02	11/10/04	4,400	0.121	0.544	71	0.002	0.024	880	0.024	0.493
Not Purged	0	18,355	NM	10/27/05	3,200	0.000	0.544	62	0.000	0.024	500	0.000	0.493
Not Purged	0	18,355	NM	11/08/05	2,600	0.000	0.544	26	0.000	0.024	340	0.000	0.493
Not Purged	0	18,355	NM	12/15/05	4,600	0.000	0.544	410	0.000	0.024	920	0.000	0.493
01/14/06	5,066	23,421	0.01	01/16/06	2,000	0.085	0.629	110	0.005	0.029	1,000	0.042	0.535
Not Purged	0	23,421	NM	02/13/06	2,400	0.000	0.629	180	0.000	0.029	730	0.000	0.535
03/10/06	4,781	28,202	0.06	03/06/06	3,500	0.140	0.769	290	0.012	0.040	1,500	0.060	0.595
Not Purged	0	28,202	NM	04/03/06	2,100	0.000	0.769	78	0.000	0.040	580	0.000	0.595
05/12/06	3,841	32,043	0.04	05/01/06	3,400	0.109	0.878	190	0.006	0.046	660	0.021	0.616
Not Purged	0	32,043	NM	06/15/06	2,600	0.000	0.878	82	0.000	0.046	710	0.000	0.616
<i>Water removed during 2004-2005 Fuel System Upgrade Project. <sup>2</sup></i>													
11/17/04 -													
2/14/05	154,430	154,430	1.20	08/12/04	450	0.580	0.580	<0.50	0.000	0.000	33	0.043	0.043
3/2/05 -													
4/19/05	111,646	266,076	1.62	08/12/04	450	0.419	0.999	<0.50	0.000	0.001	33	0.031	0.073

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

5/31/05 - 6/1/05	25,001	291,077	17.36	08/12/04	450	0.094	1.093	<0.50	0.000	0.001	33	0.007	0.080
<b>Total Gallons Extracted: 323,120</b>				<b>Total Pounds Removed: 1.97</b>				<b>0.047</b>				<b>0.696</b>	
<b>Average GWE System Flow Rate: 0.04</b>				<b>Total Gallons Removed: 0.323</b>				<b>0.006</b>				<b>0.113</b>	

**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.

As of February 1, 2006, gasoline range organics reported as TPHg include methyl tertiary-butyl ether, tertiary-butyl alcohol, and di-isopropyl ether concentrations. TPHg concentrations reported prior to February 1, 2006 may not include one or more of these constituents.

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/10<sup>6</sup>µg) 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/1000cm<sup>3</sup>)] / density(g/cm<sup>3</sup>)

Density inputs: TPHg = 0.73 g/cm<sup>3</sup>, benzene = 0.88 g/cm<sup>3</sup>, MTBE = 0.74 g/cm<sup>3</sup>

1. Groundwater is extracted from well S-2 using a submersible groundater 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. Concentrations based on most recent groundwater monitoring results for well S-2.
2. Groundwater was removed from former tank backfill well and/or open tank pit excavation, as part of dewatering operations to facilitate fuel system upgrades. At times, one or more baker tanks were used to temporarily store groundwater, before transport to Shell's Martinez refinery using vacuum trucks. Concentrations based on last sample collected from backfill well T-2.

**ATTACHMENT A**

**Blaine Groundwater Monitoring Report and Field Notes**

---

**BLAINE**  
**TECH SERVICES INC.**

---

**GROUNDWATER SAMPLING SPECIALISTS**  
SINCE 1985

June 1, 2006

Denis Brown  
Shell Oil Products US  
20945 South Wilmington Avenue  
Carson, CA 90810

Second Quarter 2006 Groundwater Monitoring at  
Shell-branded Service Station  
5755 Broadway  
Oakland, CA

Monitoring performed on May 5, 2006

---

**Groundwater Monitoring Report 060505-SL-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.

**SAN JOSE**

1680 ROGERS AVENUE

**SACRAMENTO**

SAN JOSE, CA 95112-1108

(408) 873-0558

**LOS ANGELES**

FAX (408) 873-7771

LIC. 746684

**SAN DIEGO**

[www.blainetech.com](http://www.blainetech.com)

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,

Mike Ninokata  
Project Coordinator

MN/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  
Emeryville, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	NA	NA	100.00	4.26	95.74	NA
S-1	12/16/1993	NA	NA	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	NA	NA	100.00	3.70	96.30	NA
S-1	11/09/1994	<50	4	<0.5	<0.5	<0.5	NA	NA	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	NA	NA	100.00	3.99	96.01	NA
S-1	02/02/1996	<50	11	<0.5	0.9	<0.5	NA	NA	NA	NA	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	NA	NA	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	NA	NA	NA	NA	100.00	3.43	96.57	NA
S-1	11/07/1996	<50	<0.5	<0.5	<0.5	<0.5	57	NA	NA	NA	NA	NA	100.00	3.70	96.30	4.33
S-1	02/20/1997	<50	0.64	<0.50	<0.50	1.6	6.5	NA	NA	NA	NA	NA	100.00	3.60	96.40	2

**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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	05/30/1997	<50	<0.50	<0.50	<0.50	<0.50	46	NA	NA	NA	NA	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	NA	NA	NA	NA	100.00	3.47	96.53	7
S-1	08/21/1997	<50	<0.50	<0.50	<0.50	0.84	26	NA	NA	NA	NA	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	NA	NA	NA	NA	100.00	3.66	96.34	2
S-1	01/20/1998	110	7.9	2.8	4.4	13	53	NA	NA	NA	NA	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	NA	NA	NA	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	NA	NA	NA	NA	100.00	2.43	97.57	2.2
S-1	09/07/1999	NA	NA	NA	NA	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	NA	NA	NA	NA	100.00	3.10	96.90	2.1
S-1	04/26/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	100.00	3.21	96.79	1.8
S-1	11/15/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	100.00	1.34	98.66	2.2
S-1	06/07/2001	NA	NA	NA	NA	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	NA	NA	NA	NA	100.00	3.16	96.84	4.0
S-1	12/05/2001	NA	NA	NA	NA	NA	NA	2.6	NA	NA	NA	NA	100.00	1.90	98.10	NA
S-1	01/31/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	100.00	2.67	97.33	NA
S-1	06/04/2002	NA	NA	NA	NA	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	NA	NA	NA	NA	100.00	2.01	97.99	NA
S-1	11/07/2002	NA	NA	NA	NA	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	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	NA	NA	NA	NA	181.89	2.12	179.77	NA
S-1	06/03/2003	NA	NA	NA	NA	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	NA	NA	NA	NA	181.89	3.32	178.57	NA
S-1	11/25/2003	NA	NA	NA	NA	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	NA	NA	NA	NA	181.89	2.09	179.80	NA
S-1	04/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	2.61	179.28	NA
S-1	08/12/2004	<500	<5.0	<5.0	<5.0	<10	NA	1,100	<20	<20	<20	<50	181.89	3.70	178.19	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------	------------------------

S-1	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.04	178.85	NA
S-1	05/16/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	4.9	NA	NA	NA	NA	181.89	3.10	178.79	NA
S-1	08/16/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	64	<2.0	<2.0	<2.0	52	181.89	0.73	181.16	NA
S-1	11/03/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	3.49	178.40	NA
S-1	02/16/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	22.7	NA	NA	NA	NA	181.89	0.73	181.16	NA
S-1	05/05/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	181.89	0.71	181.18	NA

S-2	01/25/1991	450	140	1.8	6.2	15	NA	NA	NA	NA	NA	NA	98.92	4.52	94.40	NA
S-2	06/03/1991	490	150	2.7	8.2	7	NA	NA	NA	NA	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	NA	NA	NA	NA	98.92	4.70	94.22	NA
S-2	11/22/1991	1,600	110	9.3	29	150	NA	NA	NA	NA	NA	NA	98.92	4.72	94.20	NA
S-2	03/13/1992	1,300	210	5.7	34	79	NA	NA	NA	NA	NA	NA	98.92	3.47	95.45	NA
S-2	05/28/1992	100	28	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	98.92	4.45	94.45	NA
S-2	08/19/1992	470	42	<0.5	8.3	4	NA	NA	NA	NA	NA	NA	98.92	4.84	94.08	NA
S-2	11/18/1992	490	43	39	17	29	NA	NA	NA	NA	NA	NA	98.92	4.73	94.19	NA
S-2	02/10/1993	19,000	710	760	80	370	NA	NA	NA	NA	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	NA	NA	NA	NA	98.92	3.74	95.18	NA
S-2	08/03/1993	18,000	1,400	130	81	130	NA	NA	NA	NA	NA	NA	98.92	4.23	94.69	NA
S-2 (D)	08/03/1993	19,000	1,400	140	86	150	NA	NA	NA	NA	NA	NA	98.92	4.23	94.69	NA
S-2	11/02/1993	12,000 a	470	47	31	92	NA	NA	NA	NA	NA	NA	98.92	4.72	94.20	NA
S-2 (D)	11/02/1993	13,000 a	530	47	35	96	NA	NA	NA	NA	NA	NA	98.92	4.72	94.20	NA
S-2	12/16/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	98.92	3.00	95.92	NA
S-2	02/01/1994	31,000 a	430	46	50	130	NA	NA	NA	NA	NA	NA	98.92	3.48	95.44	NA
S-2 (D)	02/01/1994	31,000 a	300	33	30	100	NA	NA	NA	NA	NA	NA	98.92	3.48	95.44	NA
S-2	05/04/1994	3,900	1,200	31	53	71	NA	NA	NA	NA	NA	NA	98.92	3.26	95.66	NA
S-2 (D)	05/04/1994	4,500	1,200	37	57	110	NA	NA	NA	NA	NA	NA	98.92	3.26	95.66	NA
S-2	08/18/1994	24,000	600	8.3	15	27	NA	NA	NA	NA	NA	NA	98.92	3.98	94.94	NA
S-2	11/09/1994	1,400 a	240	9.3	13	20	NA	NA	NA	NA	NA	NA	98.92	3.10	95.82	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2 (D)	11/09/1994	1,800	260	8.5	13	21	NA	NA	NA	NA	NA	NA	98.92	3.10	95.82	NA
S-2	02/22/1995	29,000	550	18	12	63	NA	NA	NA	NA	NA	NA	98.92	4.02	94.90	NA
S-2 (D)	02/22/1995	28,000	530	17	10	60	NA	NA	NA	NA	NA	NA	98.92	4.02	94.90	NA
S-2	05/02/1995	4,400	1,000	25	38	77	NA	NA	NA	NA	NA	NA	98.92	2.86	96.06	NA
S-2 (D)	05/02/1995	4,400	1,000	26	41	83	NA	NA	NA	NA	NA	NA	98.92	2.86	96.06	NA
S-2	08/30/1995	800	350	20	6.7	16	NA	NA	NA	NA	NA	NA	98.92	4.06	94.86	NA
S-2 (D)	08/30/1995	960	220	22	12	48	NA	NA	NA	NA	NA	NA	98.92	4.06	94.86	NA
S-2	11/28/1995	2,000	230	220	50	230	NA	NA	NA	NA	NA	NA	98.92	4.48	94.44	NA
S-2 (D)	11/28/1995	2,100	240	230	51	230	NA	NA	NA	NA	NA	NA	98.92	4.48	94.44	NA
S-2	02/02/1996	18,000	540	18	12	22	NA	NA	NA	NA	NA	NA	98.92	1.99	96.93	NA
S-2 (D)	02/02/1996	11,000	600	18	13	28	NA	NA	NA	NA	NA	NA	98.92	1.99	96.93	NA
S-2	03/09/1996	3,800	1,500	27	30	58	NA	NA	NA	NA	NA	NA	98.92	3.27	95.65	NA
S-2 (D)	03/09/1996	3,500	1,300	24	21	53	NA	NA	NA	NA	NA	NA	98.92	3.27	95.65	NA
S-2	08/22/1996	<20,000	490	<200	<200	<200	43,000	NA	NA	NA	NA	NA	98.92	3.85	95.07	NA
S-2 (D)	08/22/1996	<20,000	570	<200	<200	<200	59,000	51,000	NA	NA	NA	NA	98.92	3.85	95.07	NA
S-2	11/07/1996	<5,000	290	<50	<50	<50	32,000	NA	NA	NA	NA	NA	98.92	4.00	94.92	3.51
S-2 (D)	11/07/1996	<5,000	290	<50	<50	<50	32,000	NA	NA	NA	NA	NA	98.92	4.00	94.92	3.51
S-2	02/20/1997	<10,000	520	<100	<100	<100	28,000	NA	NA	NA	NA	NA	98.92	3.20	95.72	1
S-2 (D)	02/20/1997	<10,000	520	<100	<100	<100	35,000	NA	NA	NA	NA	NA	98.92	3.20	95.72	1
S-2	05/30/1997	150	15	11	3.5	15	11	NA	NA	NA	NA	NA	98.92	3.87	95.05	6
S-2	08/21/1997	1,600	220	<10	20	<10	18,000	NA	NA	NA	NA	NA	98.92	3.29	95.63	3.3
S-2 (D)	08/21/1997	1,500	180	<10	16	<10	21,000	NA	NA	NA	NA	NA	98.92	3.29	95.63	3.3
S-2	11/03/1997	1,000	94	<10	<10	<10	<50	NA	NA	NA	NA	NA	98.92	4.02	94.90	1.8
S-2	01/20/1998	590	110	8.3	18	23	7,800	NA	NA	NA	NA	NA	98.92	1.54	97.38	3.2
S-2	07/23/1998	2,600	840	<10	44	22	15,000	NA	NA	NA	NA	NA	98.92	2.89	96.03	NA
S-2	02/16/1999	680	140	6.1	10	18	19,000	NA	NA	NA	NA	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	NA	NA	NA	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	NA	NA	NA	NA	98.92	4.02	94.90	2.0

**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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	04/26/2000	4,040	799	<20.0	40.9	255	19,000	17,100 b	NA	NA	NA	NA	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	NA	NA	NA	NA	98.92	3.42	95.50	0.6
S-2 b	11/15/2000	613	35.6	<5.00	<5.00	7.36	18,100	17,800	NA	NA	NA	NA	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	NA	NA	NA	NA	98.92	1.47	97.45	2.0
S-2	06/07/2001	31,000	1,000	<25	630	3,200	NA	17,000	NA	NA	NA	NA	98.92	3.43	95.49	10.4
S-2	08/31/2001	50,000	950	<20	1,500	6,000	NA	17,000	NA	NA	NA	NA	98.92	4.72	94.20	0.9
S-2	12/05/2001	49,000	590	7.2	1,400	4,900	NA	11,000	NA	NA	NA	NA	98.92	1.53	97.39	NA
S-2	01/31/2002	37,000	860	<25	1,100	4,000	NA	14,000	NA	NA	NA	NA	98.92	2.13	96.79	NA
S-2	06/04/2002	150,000	800	<20	1,200	4,000	NA	9,200	NA	NA	NA	NA	98.92	2.24	96.68	NA
S-2	07/25/2002	37,000	350	<20	660	2,400	NA	10,000	NA	NA	NA	NA	98.92	2.03	96.89	NA
S-2	11/14/2002	25,000	510	<25	590	2,000	NA	10,000	NA	NA	NA	NA	180.79	3.17	177.62	NA
S-2	01/02/2003	NA	710	<25	560	2,074	NA	NA	NA	NA	NA	NA	180.79	2.15	178.64	NA
S-2	01/30/2003	21,000	670	<20	360	1,200	NA	9,300	NA	NA	NA	NA	180.79	2.09	178.70	NA
S-2	06/03/2003	42,000	800	<50	660	1,500	NA	9,600	NA	NA	NA	NA	180.79	3.08	177.71	NA
S-2	08/27/2003	31,000	630	<100	510	1,200	NA	15,000	NA	NA	NA	NA	180.79	2.55	178.24	NA
S-2	11/25/2003 d	8,400 a	<50	<50	<50	<100	NA	4,500	NA	NA	NA	NA	180.79	NA	NA	NA
S-2	02/05/2004	Well inaccessible		NA	NA	NA	NA	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	NA	NA	NA	NA	180.79	NA	NA	NA
S-2	04/21/2004	4,700	100	<25	<25	<50	NA	2,900	NA	NA	NA	NA	180.79	7.38	173.41	NA
S-2	08/12/2004	2,600	63	<13	<13	<25	NA	1,400	<50	<50	<50	1,200	180.79	e	NA	NA
S-2	11/08/2004	3,600	<25	<25	<25	<50	NA	1,300	NA	NA	NA	NA	180.79	f	NA	NA
S-2	05/16/2005	73 g	<0.50	<0.50	<0.50	<1.0	NA	3.3	NA	NA	NA	NA	180.79	3.33	177.46	NA
S-2	08/16/2005	10,000	370	<13	60	63	NA	1,300	<50	<50	<50	2,900	180.79	4.03	176.76	NA
S-2	11/03/2005	1,010	31.4	<0.500	2.81	31.4	NA	349	NA	NA	NA	880	180.79	NA	NA	NA
S-2	02/16/2006	5,350	79.0	<0.500	2.90	59.5	NA	687	NA	NA	NA	690	180.79	5.86	174.93	NA
S-2	05/05/2006	5,240	148	<0.500	17.1	48.8	NA	815	NA	NA	NA	478	180.79	NA	NA	NA
S-3	01/25/1991	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	101.67	3.84	97.83	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3	06/03/1991	<30	<0.3	0.3	0.3	0.3	NA	NA	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	NA	NA	101.67	3.70	97.97	NA
S-3	11/02/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	NA	NA	NA
S-3	12/16/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	2.12	99.55	NA
S-3	02/01/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	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	NA	NA	NA	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	NA	NA	NA	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	NA	NA	NA	NA	101.67	3.00	98.67	1
S-3	05/30/1997	140	14	10	3.3	14	8.6	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	2.94	98.73	3.3

**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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3	11/03/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	3.36	98.31	2.4
S-3	01/20/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	101.67	NA	NA	NA
S-3	07/23/1998	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	2.20	99.47	2.8
S-3	09/07/1999	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	3.97	97.70	2.7
S-3	04/26/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	3.00	98.67	0.8
S-3	11/15/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	2.47	99.20	2.3
S-3	06/07/2001	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	3.94	97.73	0.5
S-3	12/05/2001	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	2.29	99.38	NA
S-3	06/04/2002	NA	NA	NA	NA	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	NA	NA	NA	NA	101.67	2.70	98.97	NA
S-3	11/14/2002	NA	NA	NA	NA	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	NA	NA	NA	NA	183.54	2.16	181.38	NA
S-3	01/30/2003	NA	NA	NA	NA	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	NA	NA	NA	NA	183.54	2.75	180.79	NA
S-3	11/25/2003	NA	NA	NA	NA	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	NA	NA	NA	NA	183.54	2.04	181.50	NA
S-3	04/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.50	181.04	NA
S-3	08/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	183.54	3.91	179.63	NA
S-3	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	2.84	180.70	NA
S-3	05/16/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	183.54	3.05	180.49	NA
S-3	08/16/2005	<100	<1.0	<1.0	<1.0	<2.0	NA	<1.0	<4.0	<4.0	<4.0	<10	183.54	3.42	180.12	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------	------------------------

S-3	11/03/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	183.54	4.09	179.45	NA
S-3	02/16/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	183.54	2.25	181.29	NA
<b>S-3</b>	<b>05/05/2006</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>183.54</b>	<b>2.27</b>	<b>181.27</b>	<b>NA</b>

H-1	12/05/2001	150	<0.50	8.3	1.6	16	NA	52	NA	NA	NA	NA	NA	1.43	NA	NA
H-1	01/31/2002	3,200	12	<0.50	5.7	3.7	NA	650	NA	NA	NA	NA	NA	2.34	NA	NA
H-1	06/04/2002	280,000	<10	150	62	9,500	NA	<100	NA	NA	NA	NA	NA	2.56	NA	NA
H-1	07/25/2002	8,200	2.2	46	5.3	99	NA	<10	NA	NA	NA	NA	NA	2.83	NA	NA
H-1	11/14/2002	1,700	2.1	2.6	1.5	14	NA	380	NA	NA	NA	NA	180.63	3.74	176.89	NA
H-1	01/02/2003	NA	1.1	<0.50	<0.50	3.6	NA	NA	NA	NA	NA	NA	180.63	1.45	179.18	NA
H-1	01/30/2003	630	0.99	2.0	1.6	12	NA	21	NA	NA	NA	NA	180.63	2.10	178.53	NA
H-1	06/03/2003	55	<0.50	1.3	<0.50	2.4	NA	2.6	NA	NA	NA	NA	180.63	3.38	177.25	NA
H-1	08/27/2003	<50	0.55	<0.50	<0.50	1.2	NA	2.8	NA	NA	NA	NA	180.63	4.10	176.53	NA
H-1	11/25/2003	77 a	9.7	<0.50	<0.50	<1.0	NA	21	NA	NA	NA	NA	180.63	3.72	176.91	NA
H-1	02/05/2004	380	41	1.2	5.1	8.0	NA	21	NA	NA	NA	NA	180.63	1.69	178.94	NA
H-1	04/21/2004	640	27	0.63	2.0	2.3	NA	33	NA	NA	NA	NA	180.63	2.14	178.49	NA
H-1	08/12/2004	340	18	0.75	<0.50	1.7	NA	43	NA	NA	NA	NA	180.63	4.78	175.85	NA
H-1	11/08/2004	1,500	29	<1.0	1.7	<2.0	NA	57	NA	NA	NA	NA	180.63	4.17	176.46	NA
H-1	05/16/2005	150 g	<0.50	<0.50	<0.50	<1.0	NA	48	NA	NA	NA	NA	180.63	4.16	176.47	NA
H-1	08/16/2005	100 g	<0.50	<0.50	<0.50	<1.0	NA	57	NA	NA	NA	NA	180.63	4.66	175.97	NA
H-1	11/03/2005	<50.0	<0.500	<0.500	<0.500	<0.500	NA	12.1	NA	NA	NA	NA	180.63	5.13	175.50	NA
H-1	02/16/2006	4,230	<0.500	<0.500	37.7	80.5	NA	7.12	NA	NA	NA	NA	180.63	1.87	178.76	NA
H-1	<b>05/05/2006</b>	<b>368</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>2.56</b>	<b>&lt;0.500</b>	<b>NA</b>	<b>22.2</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>180.63</b>	<b>2.21</b>	<b>178.42</b>	<b>NA</b>

T-1	05/30/1997	NA	NA	NA	NA	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	NA	NA	NA	NA	2.69	NA	NA
T-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.09	NA	NA
T-1	01/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.61	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------	------------------------

T-1	07/23/1998	NA	NA	NA	NA	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	NA	NA	NA	NA	1.95	NA	NA
T-1	09/07/1999	NA	NA	NA	NA	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	NA	NA	NA	NA	2.66	NA	2.5
T-1	04/26/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	2.60	NA	NA
T-1	11/15/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	1.20	NA	NA
T-1	06/07/2001	NA	NA	NA	NA	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	NA	NA	NA	NA	3.45	NA	NA
T-1	01/09/2002 c	NA	NA	NA	NA	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	NA	NA	NA	NA	1.81	NA	NA
T-2	08/21/1997	NA	NA	NA	NA	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	NA	NA	NA	NA	2.25	NA	NA
T-2	01/20/1998	NA	NA	NA	NA	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	NA	NA	NA	NA	1.21	NA	NA
T-2	02/16/1999	NA	NA	NA	NA	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	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	NA	NA	NA	NA	0.98	NA	3.0
T-2	04/26/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	1.80	NA	0.8
T-2	11/15/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	1.45	NA	1.6
T-2	06/07/2001	NA	NA	NA	NA	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	NA	NA	NA	NA	2.69	NA	0.8
T-2	12/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.58	NA	NA
T-2	01/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.32	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------	------------------------

T-2	02/04/2002	1,000	41	30	4.6	20	NA	1,200	NA	NA	NA	NA	NA	1.46	NA	NA
T-2	06/04/2002	NA	NA	NA	NA	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	NA	NA	NA	NA	1.53	NA	NA
T-2	11/14/2002	NA	NA	NA	NA	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	NA	NA	NA	NA	182.30	1.01	181.29	NA
T-2	06/03/2003	NA	NA	NA	NA	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	NA	NA	NA	NA	182.30	1.60	180.70	NA
T-2	11/25/2003	NA	NA	NA	NA	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	NA	NA	NA	NA	182.30	0.66	181.64	NA
T-2	04/21/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.50	180.80	NA
T-2	08/12/2004	450	<0.50	<0.50	<0.50	<1.0	NA	33	NA	NA	NA	NA	182.30	2.72	179.58	NA
T-2	11/08/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	182.30	1.72	180.58	NA

T-3	05/30/1997	NA	NA	NA	NA	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	NA	NA	NA	NA	1.57	NA	NA
T-3	11/03/1997	NA	NA	NA	NA	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	NA	NA	NA	NA	0.76	NA	NA
T-3	07/23/1998	NA	NA	NA	NA	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	NA	NA	NA	NA	0.55	NA	NA
T-3	09/07/1999	NA	NA	NA	NA	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	NA	NA	NA	NA	3.02	NA	2.9
T-3	04/26/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	3.00	NA	NA
T-3	11/15/2000	NA	NA	NA	NA	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	NA	NA	NA	NA	2.11	NA	NA
T-3	06/07/2001	NA	NA	NA	NA	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	NA	NA	NA	NA	3.14	NA	NA
T-3	01/09/2002 c	NA	NA	NA	NA	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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (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

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

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



**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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
---------	------	----------------	-------------	-------------	-------------	-------------	------------------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------	------------------------

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.

e = Unable to gauge depth to water due to extraction tubing.

f = Unable to gauge.

g = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

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

May 19, 2006

Client: Cambria Env. Tech. (Emeryville) / SHELL (13675)  
5900 Hollis Street, Suite A  
Emeryville, CA 94608  
Attn: Anni Kreml

Work Order: NPE1106  
Project Name: 5755 Broadway, Oakland, CA  
Project Nbr: SAP 135699  
P/O Nbr: 98995756  
Date Received: 05/09/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
H-1	NPE1106-01	05/05/06 12:20
S-2	NPE1106-02	05/05/06 14:35

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

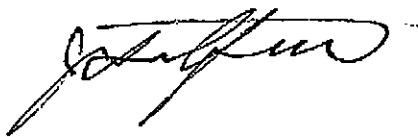
This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

California Certification Number: 01168CA

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:



Jim Hatfield  
Project Management

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Attn Anni Kreml

Work Order: NPE1106  
 Project Name: 5755 Broadway, Oakland, CA  
 Project Number: SAP 135699  
 Received: 05/09/06 08:10

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NPE1106-01 (H-1 - Water) Sampled: 05/05/06 12:20</b>								
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	0.500	1	05/15/06 15:54	SW846 8260B	6053326
Ethylbenzene	2.56		ug/L	0.500	1	05/15/06 15:54	SW846 8260B	6053326
Methyl tert-Butyl Ether	22.2		ug/L	0.500	1	05/15/06 15:54	SW846 8260B	6053326
Toluene	ND		ug/L	0.500	1	05/15/06 15:54	SW846 8260B	6053326
Xylenes, total	ND		ug/L	0.500	1	05/15/06 15:54	SW846 8260B	6053326
Surr: 1,2-Dichloroethane-d4 (70-130%)	121 %					05/15/06 15:54	SW846 8260B	6053326
Surr: Dibromofluoromethane (79-122%)	106 %					05/15/06 15:54	SW846 8260B	6053326
Surr: Toluene-d8 (78-121%)	122 %	Z10				05/15/06 15:54	SW846 8260B	6053326
Surr: 4-Bromofluorobenzene (78-126%)	92 %					05/15/06 15:54	SW846 8260B	6053326
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	368		ug/L	50.0	1	05/15/06 15:54	CA LUFT GC/MS	6053326
<b>Sample ID: NPE1106-02 (S-2 - Water) Sampled: 05/05/06 14:35</b>								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	148		ug/L	0.500	1	05/15/06 16:16	SW846 8260B	6053326
Methyl tert-Butyl Ether	815		ug/L	5.00	10	05/17/06 15:02	SW846 8260B	6053763
Ethylbenzene	17.1		ug/L	0.500	1	05/15/06 16:16	SW846 8260B	6053326
Toluene	ND		ug/L	0.500	1	05/15/06 16:16	SW846 8260B	6053326
Xylenes, total	48.8		ug/L	0.500	1	05/15/06 16:16	SW846 8260B	6053326
Tertiary Butyl Alcohol	478		ug/L	10.0	1	05/15/06 16:16	SW846 8260B	6053326
Surr: 1,2-Dichloroethane-d4 (70-130%)	118 %					05/15/06 16:16	SW846 8260B	6053326
Surr: 1,2-Dichloroethane-d4 (70-130%)	108 %					05/17/06 15:02	SW846 8260B	6053763
Surr: Dibromofluoromethane (79-122%)	107 %					05/15/06 16:16	SW846 8260B	6053326
Surr: Dibromofluoromethane (79-122%)	109 %					05/17/06 15:02	SW846 8260B	6053763
Surr: Toluene-d8 (78-121%)	123 %	Z10				05/15/06 16:16	SW846 8260B	6053326
Surr: Toluene-d8 (78-121%)	104 %					05/17/06 15:02	SW846 8260B	6053763
Surr: 4-Bromofluorobenzene (78-126%)	94 %					05/15/06 16:16	SW846 8260B	6053326
Surr: 4-Bromofluorobenzene (78-126%)	101 %					05/17/06 15:02	SW846 8260B	6053763
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	5240		ug/L	50.0	1	05/15/06 16:16	CA LUFT GC/MS	6053326

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Attn Anni Kreml

Work Order: NPE1106  
 Project Name: 5755 Broadway, Oakland, CA  
 Project Number: SAP 135699  
 Received: 05/09/06 08:10

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
---------	-------------	---	-------	------------	------------	--------------------

**Selected Volatile Organic Compounds by EPA Method 8260B**

**6053326-BLK1**

Benzene	<0.200		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Benzene	<0.200		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Methyl tert-Butyl Ether	<0.200		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Ethylbenzene	<0.200		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Ethylbenzene	<0.200		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Methyl tert-Butyl Ether	<0.200		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Toluene	<0.200		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Toluene	<0.200		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Xylenes, total	<0.350		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Tertiary Butyl Alcohol	<5.06		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Xylenes, total	<0.350		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Surrogate: 1,2-Dichloroethane-d4	116%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: 1,2-Dichloroethane-d4	116%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: 1,2-Dichloroethane-d4	116%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: Dibromofluoromethane	107%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: Dibromofluoromethane	107%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: Dibromofluoromethane	107%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: Toluene-d8	117%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: Toluene-d8	117%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: Toluene-d8	117%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: 4-Bromofluorobenzene	94%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: 4-Bromofluorobenzene	94%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: 4-Bromofluorobenzene	94%			6053326	6053326-BLK1	05/15/06 14:03

**6053763-BLK1**

Methyl tert-Butyl Ether	<0.200		ug/L	6053763	6053763-BLK1	05/17/06 09:18
Surrogate: 1,2-Dichloroethane-d4	108%			6053763	6053763-BLK1	05/17/06 09:18
Surrogate: Dibromofluoromethane	112%			6053763	6053763-BLK1	05/17/06 09:18
Surrogate: Toluene-d8	108%			6053763	6053763-BLK1	05/17/06 09:18
Surrogate: 4-Bromofluorobenzene	108%			6053763	6053763-BLK1	05/17/06 09:18

**Purgeable Petroleum Hydrocarbons**

**6053326-BLK1**

Gasoline Range Organics	<50.0		ug/L	6053326	6053326-BLK1	05/15/06 14:03
Surrogate: 1,2-Dichloroethane-d4	116%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: Dibromofluoromethane	107%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: Toluene-d8	117%			6053326	6053326-BLK1	05/15/06 14:03
Surrogate: 4-Bromofluorobenzene	94%			6053326	6053326-BLK1	05/15/06 14:03

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Attn Anni Kremel

Work Order: NPE1106  
 Project Name: 5755 Broadway, Oakland, CA  
 Project Number: SAP 135699  
 Received: 05/09/06 08:10

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
---------	------------	--------------	---	-------	--------	--------------	-------	--------------------

**Volatile Organic Compounds by EPA Method 8260B**

**6053326-BS1**

Benzene	50.0	40.3		ug/L	81%	79 - 123	6053326	05/15/06 12:57
Benzene	50.0	40.3		ug/L	81%	79 - 123	6053326	05/15/06 12:57
Methyl tert-Butyl Ether	50.0	37.6		ug/L	75%	66 - 142	6053326	05/15/06 12:57
Ethylbenzene	50.0	52.2		ug/L	104%	79 - 125	6053326	05/15/06 12:57
Ethylbenzene	50.0	52.2		ug/L	104%	79 - 125	6053326	05/15/06 12:57
Methyl tert-Butyl Ether	50.0	37.6		ug/L	75%	66 - 142	6053326	05/15/06 12:57
Toluene	50.0	52.0		ug/L	104%	78 - 122	6053326	05/15/06 12:57
Toluene	50.0	52.0		ug/L	104%	78 - 122	6053326	05/15/06 12:57
Xylenes, total	150	162		ug/L	108%	79 - 130	6053326	05/15/06 12:57
Tertiary Butyl Alcohol	500	352		ug/L	70%	42 - 154	6053326	05/15/06 12:57
Xylenes, total	150	162		ug/L	108%	79 - 130	6053326	05/15/06 12:57
Surrogate: 1,2-Dichloroethane-d4	50.0	59.1			118%	70 - 130	6053326	05/15/06 12:57
Surrogate: 1,2-Dichloroethane-d4	50.0	59.1			118%	70 - 130	6053326	05/15/06 12:57
Surrogate: 1,2-Dichloroethane-d4	50.0	59.1			118%	70 - 130	6053326	05/15/06 12:57
Surrogate: Dibromofluoromethane	50.0	51.8			104%	79 - 122	6053326	05/15/06 12:57
Surrogate: Dibromofluoromethane	50.0	51.8			104%	79 - 122	6053326	05/15/06 12:57
Surrogate: Dibromofluoromethane	50.0	51.8			104%	79 - 122	6053326	05/15/06 12:57
Surrogate: Toluene-d8	50.0	61.0	Z10		122%	78 - 121	6053326	05/15/06 12:57
Surrogate: Toluene-d8	50.0	61.0	Z10		122%	78 - 121	6053326	05/15/06 12:57
Surrogate: Toluene-d8	50.0	61.0	Z10		122%	78 - 121	6053326	05/15/06 12:57
Surrogate: 4-Bromofluorobenzene	50.0	45.5			91%	78 - 126	6053326	05/15/06 12:57
Surrogate: 4-Bromofluorobenzene	50.0	45.5			91%	78 - 126	6053326	05/15/06 12:57
Surrogate: 4-Bromofluorobenzene	50.0	45.5			91%	78 - 126	6053326	05/15/06 12:57

**6053763-BS1**

Methyl tert-Butyl Ether	50.0	45.9		ug/L	92%	66 - 142	6053763	05/17/06 08:11
Surrogate: 1,2-Dichloroethane-d4	50.0	54.2			108%	70 - 130	6053763	05/17/06 08:11
Surrogate: Dibromofluoromethane	50.0	52.6			105%	79 - 122	6053763	05/17/06 08:11
Surrogate: Toluene-d8	50.0	51.5			103%	78 - 121	6053763	05/17/06 08:11
Surrogate: 4-Bromofluorobenzene	50.0	50.2			100%	78 - 126	6053763	05/17/06 08:11

**Purgeable Petroleum Hydrocarbons**

**6053326-BS1**

Gasoline Range Organics	3050	2900		ug/L	95%	67 - 130	6053326	05/15/06 12:57
Surrogate: 1,2-Dichloroethane-d4	50.0	59.1			118%	70 - 130	6053326	05/15/06 12:57
Surrogate: Dibromofluoromethane	50.0	51.8			104%	70 - 130	6053326	05/15/06 12:57
Surrogate: Toluene-d8	50.0	61.0			122%	70 - 130	6053326	05/15/06 12:57
Surrogate: 4-Bromofluorobenzene	50.0	45.5			91%	70 - 130	6053326	05/15/06 12:57

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Attn Anni Kreml

Work Order: NPE1106  
 Project Name: 5755 Broadway, Oakland, CA  
 Project Number: SAP 135699  
 Received: 05/09/06 08:10

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>6053326-MS1</b>										
Benzene	1.09	47.1		ug/L	50.0	92%	71 - 137	6053326	NPE1109-01	05/15/06 21:49
Benzene	1.09	47.1		ug/L	50.0	92%	71 - 137	6053326	NPE1109-01	05/15/06 21:49
Methyl tert-Butyl Ether	195	1.00E9	M7	ug/L	50.0	1000000000%	55 - 152	6053326	NPE1109-01	05/15/06 21:49
Ethylbenzene	ND	54.9		ug/L	50.0	110%	72 - 139	6053326	NPE1109-01	05/15/06 21:49
Ethylbenzene	ND	54.9		ug/L	50.0	110%	72 - 139	6053326	NPE1109-01	05/15/06 21:49
Methyl tert-Butyl Ether	195	1.00E9	M7	ug/L	50.0	1000000000%	55 - 152	6053326	NPE1109-01	05/15/06 21:49
Toluene	ND	54.2		ug/L	50.0	108%	73 - 133	6053326	NPE1109-01	05/15/06 21:49
Toluene	ND	54.2		ug/L	50.0	108%	73 - 133	6053326	NPE1109-01	05/15/06 21:49
Xylenes, total	ND	169		ug/L	150	113%	70 - 143	6053326	NPE1109-01	05/15/06 21:49
Tertiary Butyl Alcohol	1490	1.00E9	M7	ug/L	500	2000000000%	19 - 183	6053326	NPE1109-01	05/15/06 21:49
Xylenes, total	ND	169		ug/L	150	113%	70 - 143	6053326	NPE1109-01	05/15/06 21:49
Surrogate: 1,2-Dichloroethane-d4		62.3		ug/L	50.0	125%	70 - 130	6053326	NPE1109-01	05/15/06 21:49
Surrogate: 1,2-Dichloroethane-d4		62.3		ug/kg	50.0	125%	70 - 130	6053326	NPE1109-01	05/15/06 21:49
Surrogate: 1,2-Dichloroethane-d4		62.3		ug/L	50.0	125%	70 - 130	6053326	NPE1109-01	05/15/06 21:49
Surrogate: Dibromofluoromethane		54.6		ug/kg	50.0	109%	79 - 122	6053326	NPE1109-01	05/15/06 21:49
Surrogate: Dibromofluoromethane		54.6		ug/L	50.0	109%	79 - 122	6053326	NPE1109-01	05/15/06 21:49
Surrogate: Dibromofluoromethane		54.6		ug/L	50.0	109%	79 - 122	6053326	NPE1109-01	05/15/06 21:49
Surrogate: Toluene-d8		58.9		ug/L	50.0	118%	78 - 121	6053326	NPE1109-01	05/15/06 21:49
Surrogate: Toluene-d8		58.9		ug/kg	50.0	118%	78 - 121	6053326	NPE1109-01	05/15/06 21:49
Surrogate: Toluene-d8		58.9		ug/L	50.0	118%	78 - 121	6053326	NPE1109-01	05/15/06 21:49
Surrogate: 4-Bromofluorobenzene		46.1		ug/L	50.0	92%	78 - 126	6053326	NPE1109-01	05/15/06 21:49
Surrogate: 4-Bromofluorobenzene		46.1		ug/L	50.0	92%	78 - 126	6053326	NPE1109-01	05/15/06 21:49
Surrogate: 4-Bromofluorobenzene		46.1		ug/kg	50.0	92%	78 - 126	6053326	NPE1109-01	05/15/06 21:49
<b>Purgeable Petroleum Hydrocarbons</b>										
<b>6053326-MS1</b>										
Gasoline Range Organics	539	3070		ug/L	3050	83%	60 - 140	6053326	NPE1109-01	05/15/06 21:49
Surrogate: 1,2-Dichloroethane-d4		62.3		ug/L	50.0	125%	0 - 200	6053326	NPE1109-01	05/15/06 21:49
Surrogate: Dibromofluoromethane		54.6		ug/L	50.0	109%	0 - 200	6053326	NPE1109-01	05/15/06 21:49
Surrogate: Toluene-d8		58.9		ug/L	50.0	118%	0 - 200	6053326	NPE1109-01	05/15/06 21:49
Surrogate: 4-Bromofluorobenzene		46.1		ug/L	50.0	92%	0 - 200	6053326	NPE1109-01	05/15/06 21:49

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)  
 5900 Hollis Street, Suite A  
 Emeryville, CA 94608  
 Attn Anni Kremel

Work Order: NPE1106  
 Project Name: 5755 Broadway, Oakland, CA  
 Project Number: SAP 135699  
 Received: 05/09/06 08:10

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>6053326-MSD1</b>												
Benzene	1.09	49.2		ug/L	50.0	96%	71 - 137	4	23	6053326	NPE1109-01	05/15/06 22:12
Benzene	1.09	49.2		ug/L	50.0	96%	71 - 137	4	23	6053326	NPE1109-01	05/15/06 22:12
Methyl tert-Butyl Ether	195	1.00E9	M7, Z10	ug/L	50.0	1000000%	55 - 152	0	27	6053326	NPE1109-01	05/15/06 22:12
Ethylbenzene	ND	59.6		ug/L	50.0	119%	72 - 139	8	23	6053326	NPE1109-01	05/15/06 22:12
Ethylbenzene	ND	59.6		ug/L	50.0	119%	72 - 139	8	23	6053326	NPE1109-01	05/15/06 22:12
Methyl tert-Butyl Ether	195	1.00E9	M7	ug/L	50.0	1000000%	55 - 152	0	27	6053326	NPE1109-01	05/15/06 22:12
Toluene	ND	58.8		ug/L	50.0	118%	73 - 133	8	25	6053326	NPE1109-01	05/15/06 22:12
Toluene	ND	58.8		ug/L	50.0	118%	73 - 133	8	25	6053326	NPE1109-01	05/15/06 22:12
Xylenes, total	ND	179		ug/L	150	119%	70 - 143	6	27	6053326	NPE1109-01	05/15/06 22:12
Tertiary Butyl Alcohol	1490	1.00E9	M7	ug/L	500	1000000%	19 - 183	0	39	6053326	NPE1109-01	05/15/06 22:12
Xylenes, total	ND	179		ug/L	150	119%	70 - 143	6	27	6053326	NPE1109-01	05/15/06 22:12
Surrogate: 1,2-Dichloroethane-d4		63.4		ug/L	50.0	127%	70 - 130			6053326	NPE1109-01	05/15/06 22:12
Surrogate: 1,2-Dichloroethane-d4		63.4		ug/L	50.0	127%	70 - 130			6053326	NPE1109-01	05/15/06 22:12
Surrogate: Dibromofluoromethane		53.8		ug/L	50.0	108%	79 - 122			6053326	NPE1109-01	05/15/06 22:12
Surrogate: Dibromofluoromethane		53.8		ug/L	50.0	108%	79 - 122			6053326	NPE1109-01	05/15/06 22:12
Surrogate: Toluene-d8		60.2		ug/L	50.0	120%	78 - 121			6053326	NPE1109-01	05/15/06 22:12
Surrogate: Toluene-d8		60.2		ug/L	50.0	120%	78 - 121			6053326	NPE1109-01	05/15/06 22:12
Surrogate: 4-Bromofluorobenzene		48.0		ug/L	50.0	96%	78 - 126			6053326	NPE1109-01	05/15/06 22:12
Surrogate: 4-Bromofluorobenzene		48.0		ug/L	50.0	96%	78 - 126			6053326	NPE1109-01	05/15/06 22:12
<b>Purgeable Petroleum Hydrocarbons</b>												
<b>6053326-MSD1</b>												
Gasoline Range Organics	539	3190		ug/L	3050	87%	60 - 140	4	40	6053326	NPE1109-01	05/15/06 22:12
Surrogate: 1,2-Dichloroethane-d4		63.4		ug/L	50.0	127%	0 - 200			6053326	NPE1109-01	05/15/06 22:12
Surrogate: Dibromofluoromethane		53.8		ug/L	50.0	108%	0 - 200			6053326	NPE1109-01	05/15/06 22:12
Surrogate: Toluene-d8		60.2		ug/L	50.0	120%	0 - 200			6053326	NPE1109-01	05/15/06 22:12
Surrogate: 4-Bromofluorobenzene		48.0		ug/L	50.0	96%	0 - 200			6053326	NPE1109-01	05/15/06 22:12

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)  
5900 Hollis Street, Suite A  
Emeryville, CA 94608  
Attn Anni Kreml

Work Order: NPE1106  
Project Name: 5755 Broadway, Oakland, CA  
Project Number: SAP 135699  
Received: 05/09/06 08:10

### CERTIFICATION SUMMARY

#### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
CA LUFT GC/MS	Water			X
NA	Water			
SW846 8260B	Water	N/A	X	X



Client Cambria Env. Tech. (Emeryville) / SHELL (13675)  
5900 Hollis Street, Suite A  
Emeryville, CA 94608  
Attn Anni Kreml

Work Order: NPE1106  
Project Name: 5755 Broadway, Oakland, CA  
Project Number: SAP 135699  
Received: 05/09/06 08:10

## NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

CA LUFT GC/MS

Matrix

Water

Analyte

Gasoline Range Organics

---

Client Cambria Env. Tech. (Emeryville) / SHELL (13675)  
5900 Hollis Street, Suite A  
Emeryville, CA 94608  
Attn Anni Kreml

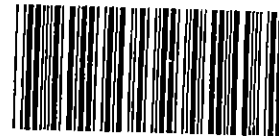
Work Order: NPE1106  
Project Name: 5755 Broadway, Oakland, CA  
Project Number: SAP 135699  
Received: 05/09/06 08:10

---

### DATA QUALIFIERS AND DEFINITIONS

**M7** The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).  
**Z10** Surrogate outside laboratory historical limits but within method guidelines. No effect on data.

### METHOD MODIFICATION NOTES



**Nashville Division**  
**COOLER RECEIPT FORM**

BC#

NPE1106

Cooler Received/Opened On: 5/9/2006 8:10  
1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 3054

FED-EX

Temperature of representative sample or temperature blank when opened: 1.5 Degrees Celsius  
(indicate IR Gun ID#)

A00750

3. Were custody seals on outside of cooler?..... YES...NO...NA

a. If yes, how many and where: 1 Front

4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA

5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (initial)..... WJ

6. Were custody seals on containers: YES NO and Intact YES NO NA  
were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert  
Plastic bag Paper Other \_\_\_\_\_ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (initial)..... WJ

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used?..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here \_\_\_\_\_

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (initial)..... WJ

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (initial)..... WJ

I certify that I attached a label with the unique LIMS number to each container (initial)..... WJ

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO # \_\_\_\_\_

# SHELL Chain Of Custody Record

Lab Identification (if necessary):  
 TA - Irvine, California  
 TA - Morgan Hill, California  
 TA - Nashville, Tenn  
 STL  
 Other (location) \_\_\_\_\_

**NPE1106**  
 05/19/06 23:59

**Shell Project Manager to be invoiced:**  
 ENVIRONMENTAL SERVICES **Denis Brown**  
 TECHNICAL SERVICES  
 COMPLIANCE  
 CHECK BOX TO VERIFY IF NO INCIDENT NUMBER APPLIES  
 NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

**INCIDENT NUMBER (ES ONLY)**  
 9 8 9 9 5 7 5 6  
**SAP or CRMT NUMBER (TS/CRMT)**

DATE: 5/5/06  
 PAGE: 1 of 1

**SAMPLING COMPANY:**  
**Blaine Tech Services**  
 ADDRESS:  
**1680 Rogers Avenue, San Jose, CA 95112**  
 PROJECT CONTACT (Hardcopy or PDF Report to):  
**Michael Ninokata**  
 TELEPHONE: **408-573-0555** FAX: **408-573-7771** E-MAIL: **mnninokata@blainetech.com**  
 TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS):  
 STD  5 DAY  3 DAY  2 DAY  24 HOURS  
 RESULTS NEEDED ON WEEKEND  
 LA - RWQCB REPORT FORMAT  UST AGENCY:

**SPECIAL INSTRUCTIONS OR NOTES:** CHECK BOX IF EDD IS NOT NEEDED   
 RECEIPT VERIFICATION REQUESTED

**SITE ADDRESS: Street and City**  
**5755 Broadway, Oakland**  
 State: **CA** GLOBAL ID NO: **T0600101270**  
 EDD DELIVERABLE TO (Name, Company, Office Location):  
**Anni Kreami, Cambria, Emeryville Office** PHONE NO.: **(510) 420-3335** E-MAIL: **Shell.em.EDF@cambria-env.com**  
 CONSULTANT PROJECT NO: **060505-SLZ**  
 SAMPLER NAME(S) (Print): **Shaun Lane** BTS # \_\_\_\_\_

**LAB USE ONLY**

**REQUESTED ANALYSIS**

TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8016m)	BTEX (8260B)	6 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)
X	X	X	X	X	X							
X	X	X	X	X	X							

**FIELD NOTES:**  
 Container/Preservative  
 or PID Readings  
 or Laboratory Notes  
 TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
	H-1	5/5/06	1220	W	3
	S-2	5/5/06	1435	W	3

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 5/5/06	Time: 1545
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 5-5-06	Time: 16:45
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 5-5-06	Time: 17:40

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client  
 K.S. 26

## COURIER PICK-UP (CLIENT ADDRESS)

<b>Date Requested:</b> <u>09/15/05 8:10AM</u>	<b>Delivery/Pickup Date:</b> <u>05/05/06 Anytime</u>
<b>Requested By:</b> <u>Blaine Tech Services</u>	<b>Client Contact:</b> <u>Mike Ninokata</u>
<b>Client Address:</b> <u>Blaine Tech Services</u>	<b>Client Phone#:</b> <u>x.202</u>
<u>1680 Rogers Ave</u>	<b>Created By:</b> <u>Lisa Race</u>
<u>San Jose, CA 95112</u>	<b>Project Manager:</b> <u>Theresa Allen</u>

<b>Miscellaneous Items Requested:</b>			
<b>Cooler(s):</b>	<b>Ice:</b>	<b>COC's:</b>	<b>Misc Items:</b>
None	None	None	None

<b>Comments:</b>
Cross Streets/Driving Directions: <u>None Supplied</u>
Comments: <u>No Comments</u>

WELL GAUGING DATA

Project # 060505 S12 Date 5/5/06 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 of TOC	
S-1	3					0.71	11.61	↓	
S-2		No Gauging Necessary							
S-3	4					2.27	9.53		
H-1	4	gauged w/slinger in well				2.21	12.00		

## SHELL WELL MONITORING DATA SHEET

BTS #: <u>060505-SL2</u>	Site: <u>98995756</u>
Sampler: <u>SL</u>	Date: <u>5/5/06</u>
Well I.D.: <u>H-1</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>12.00</u>	Depth to Water (DTW): <u>2.21</u>
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]: <u>    </u>	

Purge Method: <del>Bailer</del> <del>Disposable Bailer</del> <del>Positive Air Displacement</del> <del>Electric Submersible</del>	<del>Water</del> <del>Peristaltic</del> <del>Extraction Pump</del> Other: <u>    </u>	Sampling Method: <del>Bailer</del> <del>Disposable Bailer</del> <del>Extraction Port</del> <del>Dedicated Tubing</del> Other: <u>    </u>
--	--	---

(Gals.) X <u>NP</u>	=	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 <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>1220</u>	<u>69.2</u>	<u>9.14</u>	<u>325.6</u>	<u>49</u>	<u>—</u>	

Did well dewater?    Yes    No                      Gallons actually evacuated:

Sampling Date: 5/5/06    Sampling Time: 1220    Depth to Water: 2.21

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

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 #: <u>060505-SLZ</u>	Site: <u>98995756</u>
Sampler: <u>SL</u>	Date: <u>5/5/06</u>
Well I.D.: <u>S-Z</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>    </u>	Depth to Water (DTW): <u>    </u>
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: \_\_\_\_\_

(Gals.) X <u>Port</u> = _____ Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius<sup>2</sup> * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius <sup>2</sup> * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius <sup>2</sup> * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>uS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
<u>1435</u>	<u>63.5</u>	<u>6.97</u>	<u>750.2</u>	<u>24</u>		

Did well dewater? Yes No Gallons actually evacuated: \_\_\_\_\_

Sampling Date: 5/5/06 Sampling Time: 1435 Depth to Water: \_\_\_\_\_

Sample I.D.: S-Z Laboratory: STL Other: TA

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

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



**ATTACHMENT B**  
**Certified Analytical Reports**



STL

**ANALYTICAL REPORT**

Job Number: 720-4128-1

Job Description: 5755 Broadway Oakland

For:  
Cambria Environmental Tech  
5900 Hollis Street, Suite A  
Emeryville, CA 94508

Attention: Karen Newton

A handwritten signature in black ink that reads "Melissa Brewer".

---

Melissa Brewer  
Project Manager I  
mbrewer@stl-inc.com  
06/23/2006

cc: Cynthia Vasko

Project Manager: Melissa Brewer

## EXECUTIVE SUMMARY - Detections

Client: Cambria Environmental Tech

Job Number: 720-4128-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-4128-1	S-2				
Benzene		82	5.0	ug/L	8260B
Ethylbenzene		5.5	5.0	ug/L	8260B
MTBE		710	50	ug/L	8260B
Xylenes, Total		18	10	ug/L	8260B
Gasoline Range Organics (GRO)-C6-C12		2600	500	ug/L	8260B

## METHOD SUMMARY

Client: Cambria Environmental Tech

Job Number: 720-4128-1

Description	Lab Location	Method	Preparation Method
<b>Matrix:</b> Water			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B

### LAB REFERENCES:

STL-SF = STL-San Francisco

### METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986  
And Its Updates.

## SAMPLE SUMMARY

Client: Cambria Environmental Tech

Job Number: 720-4128-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Client Matrix</u>	<u>Date/Time Sampled</u>	<u>Date/Time Received</u>
720-4128-1	S-2	Water	06/15/2006 0900	06/16/2006 1055

## Analytical Data

Client: Cambria Environmental Tech

Job Number: 720-4128-1

Client Sample ID: S-2

Lab Sample ID: 720-4128-1

Date Sampled: 06/15/2006 0900

Client Matrix: Water

Date Received: 06/16/2006 1055

### 8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-10218

Instrument ID: Varian 3900C

Preparation: 5030B

Lab File ID: c:\saturnws\data\200606\06

Dilution: 10

Initial Weight/Volume: 40 mL

Date Analyzed: 06/21/2006 1428

Final Weight/Volume: 40 mL

Date Prepared: 06/21/2006 1428

Analyte	Result (ug/L)	Qualifier	RL
Benzene	82		5.0
Ethylbenzene	5.5		5.0
MTBE	710		50
Toluene	ND		5.0
Xylenes, Total	18		10
Gasoline Range Organics (GRO)-C6-C12	2600		500
Surrogate	%Rec		Acceptance Limits
Toluene-d8	96		77 - 121
1,2-Dichloroethane-d4	101		73 - 130

## DATA REPORTING QUALIFIERS

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
--------------------	------------------	--------------------

---

## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-4128-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>				
<b>Analysis Batch:720-10218</b>				
LCS 720-10218/3	Lab Control Spike	Water	8260B	
LCSD 720-10218/2	Lab Control Spike Duplicate	Water	8260B	
MB 720-10218/4	Method Blank	Water	8260B	
720-4045-C-1 MS	Matrix Spike	Water	8260B	
720-4045-C-1 MSD	Matrix Spike Duplicate	Water	8260B	
720-4128-1	S-2	Water	8260B	



## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-4128-1

### Surrogate Recovery Report

#### 8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

<u>Lab Sample ID</u>	<u>Client Sample</u>	<u>(12DCE) (%Rec)</u>	<u>(TOL) (%Rec)</u>
720-4128-1	S-2	101	96
720-4045-C-1 MS		95	101
720-4045-C-1 MSD		95	95
LCS 720-10218/3		93	96
LCSD 720-10218/2		92	94
MB 720-10218/4		103	100

#### Surrogate

#### Acceptance Limits

(12DCE)	1,2-Dichloroethane-d4	73 - 130
(TOL)	Toluene-d8	77 - 121

## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-4128-1

**Method Blank - Batch: 720-10218**

**Method: 8260B**

**Preparation: 5030B**

Lab Sample ID: MB 720-10218/4

Analysis Batch: 720-10218

Instrument ID: Varian 3900C

Client Matrix: Water

Prep Batch: N/A

Lab File ID: c:\saturnws\data\200606\06

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 40 mL

Date Analyzed: 06/21/2006 1027

Final Weight/Volume: 40 mL

Date Prepared: 06/21/2006 1027

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		5.0
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50

Surrogate	% Rec	Acceptance Limits
Toluene-d8	100	77 - 121
1,2-Dichloroethane-d4	103	73 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-4128-1

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-10218**

**Method: 8260B  
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-10218/3  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2006 0907  
Date Prepared: 06/21/2006 0907

Analysis Batch: 720-10218  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Varian 3900C  
Lab File ID: c:\saturday\data\200606\062  
Initial Weight/Volume: 40 mL  
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-10218/2  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 06/21/2006 0933  
Date Prepared: 06/21/2006 0933

Analysis Batch: 720-10218  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Varian 3900C  
Lab File ID: c:\saturday\data\200606\062  
Initial Weight/Volume: 40 mL  
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	94	86	69 - 129	9	25		
MTBE	91	91	65 - 165	1	25		
Toluene	98	91	70 - 130	8	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	96		94		77 - 121		
1,2-Dichloroethane-d4	93		92		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-4128-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 720-10218**

**Method: 8260B  
Preparation: 5030B**

MS Lab Sample ID: 720-4045-C-1 MS  
Client Matrix: Water  
Dilution: 100  
Date Analyzed: 06/21/2006 1241  
Date Prepared: 06/21/2006 1241

Analysis Batch: 720-10218  
Prep Batch: N/A

Instrument ID: Varian 3900C  
Lab File ID: c:\saturnews\data\200606\06  
Initial Weight/Volume: 40 mL  
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-4045-C-1 MSD  
Client Matrix: Water  
Dilution: 100  
Date Analyzed: 06/21/2006 1308  
Date Prepared: 06/21/2006 1308

Analysis Batch: 720-10218  
Prep Batch: N/A

Instrument ID: Varian 3900C  
Lab File ID: c:\saturnews\data\200606\06  
Initial Weight/Volume: 40 mL  
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	91	91	69 - 129	0	20		
MTBE	92	98	65 - 165	5	20		
Toluene	101	92	70 - 130	9	20		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
Toluene-d8		101	95			77 - 121	
1,2-Dichloroethane-d4		95	95			73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

100407

# 720-4128 SHE Chain Of Custody Record

INCIDENT NUMBER (S&E ONLY)	S&E or CRMT NUMBER (S/CRMT)
9 8 9 9 5 7 5 6	9 8 9 9 5 7 5 6

Shell Project Manager to be Invoiced:

Denis Brown

CRMT HOUSTON  
 TECHNICAL SERVICES  
 SCIENCE & ENGINEERING

Pleasanton, CA 94566

1220 Quarry Lane

(925) 484-1919 (925) 484-1096 fax

BTL-San Francisco

DATE: 6-15-6  
 PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology, Inc.

LOG CODE: CETO

5755 Broadway, Oakland

EDF DELIVERABLE TO (Responsible Party or Designee):

Cynthia Vasko

510-420-3344

shloaklanded@cambria-env.com

CONSULTANT PROJECT NO: T0600101270

PROJECT CONTRACT (Photocopy or PDF Report is): Karen Newton

TELEPHONE: 510-420-3309

EMAIL: knewton@cambria-env.com

SAMPLER NAME(S) (Print): **VASKO HANDED AWAY**

LAB USE ONLY

### REQUESTED ANALYSIS

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

LA - RWQCB REPORT FORMAT  UST AGENCY:  
 GCMS MTBE CONFIRMATION: HIGHEST \_\_\_\_\_ HIGHEST PER BORING ALL \_\_\_\_\_  
 SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED

FIELD NOTES:  
 Containment/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C 4

NO. OF MATRICES	SAMPLING DATE TIME	Field Sample Identification	
		AO	AO
4	6-15 9:00		S-2

TPH - Purgeable	<input checked="" type="checkbox"/>
TPH - Extractable (8015m)	<input type="checkbox"/>
BTEX	<input checked="" type="checkbox"/>
MTBE (5.0 ppb DL)	<input checked="" type="checkbox"/>
TBA	<input type="checkbox"/>
5 Oxygenates	<input type="checkbox"/>
1,2 DCA and EDB	<input type="checkbox"/>
Ethanol	<input type="checkbox"/>
Methanol	<input type="checkbox"/>
VOCs by 8260B	<input type="checkbox"/>
Semi-Volatiles by 8270C	<input type="checkbox"/>
Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	
LUFS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	
CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	
Test for Disposal	<input type="checkbox"/>

VOAS W/HCI

Received By: (Signature)	Date:	Time:
<i>Karen Newton</i>	6-15-6	10:00 AM
<i>Handed Over</i>	6/15/6	10:00 AM
<i>Handed Over</i>	6/15/6	10:00 AM
<i>Handed Over</i>	6/15/6	10:00 AM

## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Cambria Environmental Tech

Job Number: 720-4128-1

**Login Number: 4128**

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



STL

**ANALYTICAL REPORT**

Job Number: 720-3409-1

Job Description: 5755 Broadway Oakland

For:  
Cambria Environmental Tech  
5900 Hollis Street, Suite A  
Emeryville, CA 94508

Attention: Karen Newton

A handwritten signature in black ink that reads "Melissa Brewer".

---

Melissa Brewer  
Project Manager I  
mbrewer@stl-inc.com  
05/04/2006

cc: Cynthia Vasko

Project Manager: Melissa Brewer

## METHOD SUMMARY

Client: Cambria Environmental Tech

Job Number: 720-3409-1

Description	Lab Location	Method	Preparation Method
<b>Matrix: Water</b>			
Volatile Organic Compounds by GC/MS	STL-SF	SW846 8260B	
Purge-and-Trap	STL-SF		SW846 5030B

### LAB REFERENCES:

STL-SF = STL-San Francisco

### METHOD REFERENCES:

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986  
And Its Updates.



## SAMPLE SUMMARY

Client: Cambria Environmental Tech

Job Number: 720-3409-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
720-3409-1	S-2	Water	05/01/2006 1235	05/01/2006 1315

# Analytical Data

Client: Cambria Environmental Tech

Job Number: 720-3409-1

Client Sample ID: S-2

Lab Sample ID: 720-3409-1

Date Sampled: 05/01/2006 1235

Client Matrix: Water

Date Received: 05/01/2006 1315

---

## 8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 720-8447

Instrument ID: Saturn 3900B

Preparation: 5030B

Lab File ID: c:\saturnws\data\200605\05

Dilution: 20

Initial Weight/Volume: 10 mL

Date Analyzed: 05/02/2006 1646

Final Weight/Volume: 10 mL

Date Prepared: 05/02/2006 1646

Analyte	Result (ug/L)	Qualifier	RL
Benzene	190		10
Ethylbenzene	29		10
MTBE	660		100
Toluene	ND		10
Xylenes, Total	61		20
Gasoline Range Organics (GRO)-C6-C12	3400		1000
Surrogate	%Rec		Acceptance Limits
Toluene-d8	103		77 - 121
1,2-Dichloroethane-d4	90		73 - 130

## DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
-------------	-----------	-------------

---

## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-3409-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>				
<b>Analysis Batch:720-8447</b>				
LCS 720-8447/5	Lab Control Spike	Water	8260B	
LCSD 720-8447/4	Lab Control Spike Duplicate	Water	8260B	
MB 720-8447/6	Method Blank	Water	8260B	
720-3409-1	S-2	Water	8260B	
720-3436-A-1 MSD	Matrix Spike Duplicate	Water	8260B	

## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-3409-1

### Surrogate Recovery Report

#### 8260B Volatile Organic Compounds by GC/MS

##### Client Matrix: Water

<u>Lab Sample ID</u>	<u>Client Sample</u>	<u>(12DCE) (%Rec)</u>	<u>(TOL) (%Rec)</u>
720-3409-1	S-2	90	103
720-3436-A-1 MSD		89	100
LCS 720-8447/5		83	100
LCSD 720-8447/4		85	101
MB 720-8447/6		84	102

<u>Surrogate</u>	<u>Acceptance Limits</u>
------------------	--------------------------

(12DCE)	1,2-Dichloroethane-d4	73 - 130
(TOL)	Toluene-d8	77 - 121

## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-3409-1

### Method Blank - Batch: 720-8447

Method: 8260B  
Preparation: 5030B

Lab Sample ID: MB 720-8447/6  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 05/02/2006 1436  
Date Prepared: 05/02/2006 1436

Analysis Batch: 720-8447  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 3900B  
Lab File ID: c:\saturnws\data\200605\06  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
MTBE	ND		5.0
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C6-C12	ND		50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8	102	77 - 121	
1,2-Dichloroethane-d4	84	73 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: Cambria Environmental Tech

Job Number: 720-3409-1

**Laboratory Control/  
Laboratory Control Duplicate Recovery Report - Batch: 720-8447**

**Method: 8260B  
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-8447/5  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 05/02/2006 0953  
Date Prepared: 05/02/2006 0953

Analysis Batch: 720-8447  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 3900B  
Lab File ID: c:\saturnws\data\200605\1050  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-8447/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 05/02/2006 1020  
Date Prepared: 05/02/2006 1020

Analysis Batch: 720-8447  
Prep Batch: N/A  
Units: ug/L

Instrument ID: Saturn 3900B  
Lab File ID: c:\saturnws\data\200605\1050  
Initial Weight/Volume: 10 mL  
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	103	105	69 - 129	2	25		
MTBE	92	100	65 - 165	8	25		
Toluene	108	111	70 - 130	3	25		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Toluene-d8	100		101		77 - 121		
1,2-Dichloroethane-d4	83		85		73 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL-San Francisco

1220 Quarry Lane  
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

# SHE Chain Of Custody Record

40702

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

## 720-3409

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 5 6

SAP or CRMT NUMBER (TS/CRMT)

DATE: \_\_\_\_\_

PAGE: 1 of 1

SAMPLING COMPANY: <b>Cambria Environmental Technology, Inc.</b>		LOG CODE: <b>CETO</b>	SITE ADDRESS (Street and City): <b>5755 Broadway, Oakland</b>		GLOBAL ID NO.: <b>T0600101270</b>																
ADDRESS: <b>5900 Hollis Street, Suite A, Emeryville, CA 94608</b>		EDF DELIVERABLE TO (Responsible Party or Designee): <b>Cynthia Vasko</b>		PHONE NO.: <b>510-420-3344</b>	E-MAIL: <b>shelloaklandef@Cambria-env.com</b>	CONSULTANT PROJECT NO.: <b>247-0483-003</b>															
PROJECT CONTACT (Handcopy or PDF Report to): <b>Karen Newton</b>		SAMPLER NAME(S) (Print): <i>Rick Buskey</i>		LAB USE ONLY																	
TELEPHONE: <b>510-420-3309</b>	FAX: <b>510-420-9170</b>	E-MAIL: <b>knewton@cambria-env.com</b>																			
TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS			<b>REQUESTED ANALYSIS</b>																		
<input type="checkbox"/> LA - RWQCB REPORT FORMAT <input type="checkbox"/> UST AGENCY: _____			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH - Purgeable</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH - Extractable (9015m)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">MTBE (5.0 ppb DL)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TBA</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">5 Oxygenates</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">1,2 DCA and EDB</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Ethanol</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Methanol</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">VOCs by 8260B</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Semi-Volatiles by 8270C</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Test for Disposal</td> </tr> </table>				TPH - Purgeable	TPH - Extractable (9015m)	BTEX	MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal
TPH - Purgeable	TPH - Extractable (9015m)	BTEX					MTBE (5.0 ppb DL)	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	LUFTS <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	CAM17 <input type="checkbox"/> Total <input type="checkbox"/> STLC <input type="checkbox"/> TCLP	Test for Disposal			
GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____																					
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED <input type="checkbox"/>																					
<b>Field Sample Identification</b>		SAMPLING		MATRIX	NO. OF CONT.									TEMPERATURE ON RECEIPT							
		DATE	TIME											2/24/06 12:35		2/24/06					
S-2				AQ	4	X	X	X									VOAs w/HCl				
Relinquished by: (Signature) <i>Rick Buskey</i>		Received by: (Signature) <i>Rick Buskey</i>				Date: <b>5/1/06</b>		Time: <b>1315</b>													
Relinquished by: (Signature)		Received by: (Signature)				Date:		Time:													
Relinquished by: (Signature)		Received by: (Signature)				Date:		Time:													

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.  
G:\Oakland 5755 Broadway\Remediation\O&MField Forms\Temp GWE COC.xls\INF Monthly

10/16/00 Shell Revision  
2/10/04 Cambria Revision

O&G Graphic (714) 898-9702



## LOGIN SAMPLE RECEIPT CHECK LIST

Client: Cambria Environmental Tech

Job Number: 720-3409-1

**Login Number: 3409**

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	