R0260

CAMBRIA

December 29, 2004

Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

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

Dear Ms. Garcia-La Grille:

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

HISTORICAL REMEDIATION SUMMARY

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

Cambria Environmental Technology, Inc.

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

THIRD QUARTER 2004 ACTIVITIES

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

Additional Oxygenate Analysis: In addition to the regular quarterly analysis for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl-tertiary-butyl ether (MTBE), groundwater samples from all monitoring wells were analyzed for four additional oxygenates. Analytical results for MTBE, di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), and tert-butyl alcohol (TBA) are included in Blaine's report. The only oxygenates detected were MTBE and TBA.

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

A pump is installed in well S-2, and extracted water is stored on site in a Baker tank. Water is periodically offhauled from the tank using a vacuum truck. Measurements of transported water are used to assess system production. Through November 10, 2004, a total of 18,355 gallons of water had been produced, equating to a flow rate of approximately 0.05 gallons per minute since system operation began. A total of 0.49 pounds of MTBE has been recovered. Table 1 summarizes mass removal data from the temporary GWE system.

ANTICIPATED FOURTH QUARTER 2004 ACTIVITIES

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

Underground Storage Tank (UST) and Piping Upgrades: Upgrades to the USTs and piping were initiated during November 2004. On November 19, 2004, a water line was apparently damaged during the construction activities. On November 20, 2004, station personnel discovered that water leaking from the broken line had entered the tank backfill in sufficient volume to cause the uncovered tanks to float out of the tank hole. Cambria and Shell personnel responded to this situation and temporarily secured the tanks. Piping had been disconnected from the tanks prior to this incident. A small amount of fuel was observed to be dripping from one of the tank sumps, and was contained in a bucket until the sump was secured. An estimated 10 – 50 milliliters of fuel was released into water within the tank backfill, and was removed using absorbent cloths. Shell filed an underground storage tank unauthorized release contamination site report dated November 22, 2004 with the Oakland Fire Department and the Regional Water Quality Control Board which describes this incident.

Shell plans to remove the floated tanks, and is in the process of determining a course of action for replacement. The site remains shut down.

Temporary GWE System: The temporary GWE system is shut down while construction activities are ongoing at the site. We will restart the system when construction activites have been completed. When the system is restarted, we will also perform periodic groundwater extraction events from well S-1. Each time the baker tank associated with the temporary system is emptied, the vacuum truck will also extract groundwater from well S-1, and the extracted volume will be recorded.

CLOSING

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

Sincerely,
Cambria Environmental Technology, Inc

Diane Lundquist, P.E.
Principal Engineer

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

Table: 1 - Groundwater Extraction System Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

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

G:\Oakland 5755 Broadway\QM\3q04\3q04qm.doc

02/13/02

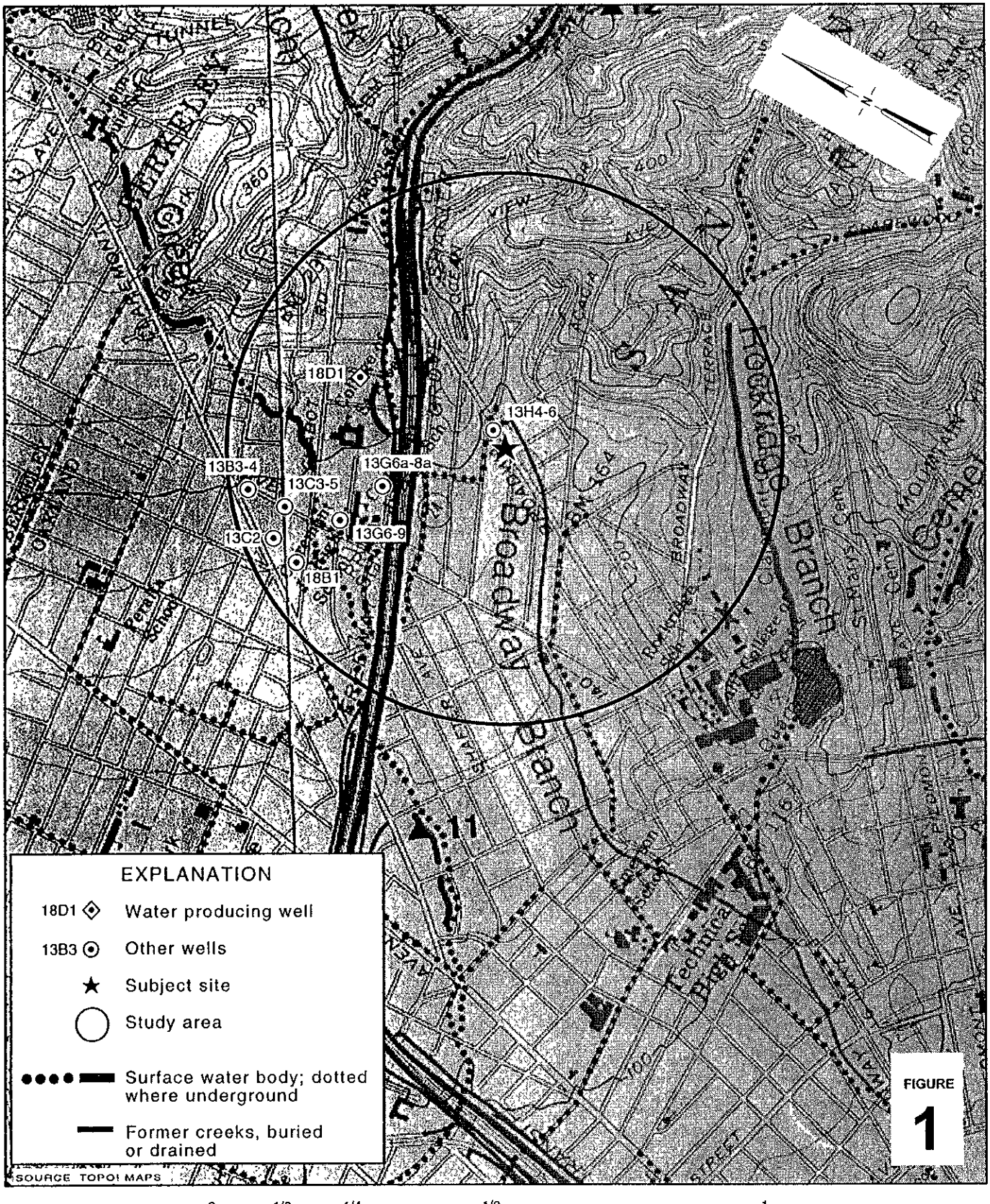

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FIGURE 1

Shell-branded Service Station

5755 Broadway

Oakland, California

Incident #98995756

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Vicinity / Well Survey Map

(1/2-Mile Radius)

10/21/04

EXPLANATION

- S-1 — Monitoring well location
- S-2 — Groundwater monitoring well used for extraction
- T-1 — Tank backfill well location
- T-3 — Pre-pack monitoring well location
- H-1 — Horizontal extraction well location
- B-1 — Soil boring location (Miller-Brooks, 8/6-7/02)
- NA — Not available
- → — Groundwater flow direction
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl), approximately located

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.

- Sanitary sewer line (SS)
- Storm drain (SD)
- Overhead powerline (E)
- Flow direction
- Manhole
- 4.5 fbg — Feet below grade

Water Producing Well
18D1

Location of Nearest Sensitive Receptor Relative to Site
(1,320 ft., N4°W)

Groundwater Flow Direction
(09/07/99 to 08/12/04)

S-3
179.63
<0.50
<0.50

S-2
NA
63
1,400

S-1
178.19
<5.0
1,100

T-2
179.58
<0.50
33

H-1
175.85
18
43

T-1
T-3
B-1
B-2
B-3
B-4
B-5
B-6
B-7
B-8
B-9
B-10
B-11

station building
Temporary Groundwater Extraction Equipment
USTs
dispensers
dispensers
grout barrier
trench
planter
planter
water and air
approximate property line
residential
residential
sidewalk
sidewalk
FAIT STREET
BROADWAY
crosswalk
4" horizontal groundwater extraction well
4" SCH 40 PVC vertical access pipe to horizontal well H-1
18"ϕ SS
12" ϕ SD
SS
SS
E
E
E
E
6.5 fbg
2.2 fbg
2.1 fbg
4 fbg
0.6 fbg
4.8 fbg
8.5 fbg
179.00
178.00
177.00
176.00

SCALE 1" = 30'

FIGURE
2

Groundwater Elevation Contour Map

August 12, 2004

CAMBRIA

Shell-branded Service Station

5755 Broadway
Oakland, California
Incident #98995756

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

Date Baker Tank Purged	Period Volume (gal)	Cumulative Volume Pumped (gal)	Estimated System Flow Rate (gpm)	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)
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
09/03/04	0	15,067	NM	09/03/04	<1,000	0 000	0 424	25	0.000	0.022	1,200	0 000	0 469
10/07/04	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
Total Gallons Extracted:	**18,355**				**Total Pounds Removed:**	**0.544**				**0.024**			**0.493**
Average Flow Rate:	**0.05**				**Total Gallons Removed:**	**0.089**				**0.003**			**0.080**

Abbreviations & Notes:

TPHg = Total purgeable hydrocarbons as gasoline

MTBE = Methyl tertiary butyl ether

ppb = Parts per billion, equivalent to µg/L

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

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

µg = Micrograms

L = Liter

gal = Gallon

g = Gram

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

MTBE analyzed by EPA Method 8260

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

Mass removed (pounds) based on the formula volume(gal) x concentration(µg/L) x (g/10^6µg) 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^3)] / density(g/cm^3)

Density inputs TPHg = 0.73 g/cm^3, benzene = 0 88 g/cm^3, MTBE = 0 74 g/cm^3

Note 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.

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

BLAINE
TECH SERVICES INC

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

September 16, 2004

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

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

Monitoring performed on August 12, 2004

Groundwater Monitoring Report **040812-DW-2**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

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

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/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-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	12,000a	470	47	31	92	NA	NA	NA	NA	NA	NA	98.92	4.72	94.20	NA
S-2 (D)	11/02/1993	13,000a	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	31,000a	430	46	50	130	NA	NA	NA	NA	NA	NA	98.92	3.48	95.44	NA
S-2 (D)	02/01/1994	31,000a	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	1,400a	240	9.3	13	20	NA	NA	NA	NA	NA	NA	98.92	3.10	95.82	NA
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

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	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)	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
S-2	04/26/2000	4,040	799	<20.0	40.9	255	19,000	17,100b	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-2b	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

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	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	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-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
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

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	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	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
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

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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**
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**

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	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
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

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	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
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-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

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-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

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

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

SEVERN TRENT STL

Submission#: 2004-08-0403

Blaine Tech Services, Inc.

August 27, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 040812-DW-2
Project: 98995756
Site: 5755 Broadway, Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 08/13/2004 14:38
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/27/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2004-08-0403

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
H-1	08/12/2004 13:25	Water	4
T-2	08/12/2004 14:20	Water	5

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Prep(s): 5030B
Test(s): 8260B
Sample ID: **H-1**
Lab ID: 2004-08-0403 - 4
Sampled: 08/12/2004 13:25
Extracted: 8/24/2004 14:13
Matrix: Water
QC Batch#: 2004/08/24-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	340	50	ug/L	1.00	08/24/2004 14:13	
Benzene	18	0.50	ug/L	1.00	08/24/2004 14:13	
Toluene	0.75	0.50	ug/L	1.00	08/24/2004 14:13	
Ethylbenzene	ND	0.50	ug/L	1.00	08/24/2004 14:13	
Total xylenes	1.7	1.0	ug/L	1.00	08/24/2004 14:13	
Methyl tert-butyl ether (MTBE)	43	0.50	ug/L	1.00	08/24/2004 14:13	
Surrogate(s)						
1,2-Dichloroethane-d4	112.4	76-130	%	1.00	08/24/2004 14:13	
Toluene-d8	113.7	78-115	%	1.00	08/24/2004 14:13	

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Prep(s): 5030B
Test(s): 8260B
Sample ID: **T-2**
Lab ID: 2004-08-0403 - 5
Sampled: 08/12/2004 14:20
Extracted: 8/26/2004 02:39
Matrix: Water
QC Batch#: 2004/08/25-2B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	450	50	ug/L	1.00	08/26/2004 02:39	
Benzene	ND	0.50	ug/L	1.00	08/26/2004 02:39	
Toluene	ND	0.50	ug/L	1.00	08/26/2004 02:39	
Ethylbenzene	ND	0.50	ug/L	1.00	08/26/2004 02:39	
Total xylenes	ND	1.0	ug/L	1.00	08/26/2004 02:39	
Methyl tert-butyl ether (MTBE)	33	0.50	ug/L	1.00	08/26/2004 02:39	
Surrogate(s)						
1,2-Dichloroethane-d4	106.9	76-130	%	1.00	08/26/2004 02:39	
Toluene-d8	98.7	78-115	%	1.00	08/26/2004 02:39	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/08/24-1C.65

MB: 2004/08/24-1C.65-049

Date Extracted: 08/24/2004 10:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/24/2004 10:49	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/24/2004 10:49	
Benzene	ND	0.5	ug/L	08/24/2004 10:49	
Toluene	ND	0.5	ug/L	08/24/2004 10:49	
Ethylbenzene	ND	0.5	ug/L	08/24/2004 10:49	
Total xylenes	ND	1.0	ug/L	08/24/2004 10:49	
Surrogates(s)					
1,2-Dichloroethane-d4	110.0	76-130	%	08/24/2004 10:49	
Toluene-d8	100.8	78-115	%	08/24/2004 10:49	

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/08/25-2B.66**

MB: 2004/08/25-2B.66-017 — Date Extracted: 08/25/2004 18:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/25/2004 18:17	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/25/2004 18:17	
Benzene	ND	0.5	ug/L	08/25/2004 18:17	
Toluene	ND	0.5	ug/L	08/25/2004 18:17	
Ethylbenzene	ND	0.5	ug/L	08/25/2004 18:17	
Total xylenes	ND	1.0	ug/L	08/25/2004 18:17	
Surrogates(s)					
1,2-Dichloroethane-d4	98.4	76-130	%	08/25/2004 18:17	
Toluene-d8	103.4	78-115	%	08/25/2004 18:17	

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

Blaine Tech Services, Inc.

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Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** ***QC Batch # 2004/08/24-1C.65***

LCS 2004/08/24-1C.65-059 Extracted: 08/24/2004 Analyzed: 08/24/2004 09:59

LCSD 2004/08/24-1C.65-060 Extracted: 08/24/2004 Analyzed: 08/24/2004 10:24

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	32.9	36.7	25	131.6	146.8	10.9	65-165	20		
Benzene	29.3	26.8	25	117.2	107.2	8.9	69-129	20		
Toluene	27.6	23.6	25	110.4	94.4	15.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	523	523	500	104.6	104.6		76-130			
Toluene-d8	561	482	500	112.2	96.4		78-115			

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/25-2B.66**

LCS 2004/08/25-2B.66-032 Extracted: 08/25/2004 Analyzed: 08/25/2004 17:32

LCSD 2004/08/25-2B.66-054 Extracted: 08/25/2004 Analyzed: 08/25/2004 17:54

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	20.8	21.6	25	83.2	86.4	3.8	65-165	20		
Benzene	24.8	25.5	25	99.2	102.0	2.8	69-129	20		
Toluene	23.8	26 2	25	95.2	104.8	9.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	465	463	500	93.0	92.6		76-130			
Toluene-d8	486	549	500	97.2	109.8		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/08/24-1C.65**

T-2 >> MS

Lab ID: 2004-08-0403 - 005

MS: 2004/08/24-1C.65-001 Extracted: 08/24/2004

Analyzed: 08/24/2004 15:01

Dilution: 1.00

MSD: 2004/08/24-1C.65-026 Extracted: 08/24/2004

Analyzed: 08/24/2004 15:26

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	26.0	28.2	0.575	25	101.7	110.5	8.3	69-129	20		
Toluene	22.7	27.1	ND	25	90.8	108.4	17.7	70-130	20		
Methyl tert-butyl ether	51.4	88.7	36.1	25	61.2	210.4	109.	65-165	20	mso	mso,rpd
Surrogate(s)											
1,2-Dichloroethane-d4	329	535		500	65.8	107.0		76-130		sl	
Toluene-d8	469	529		500	93.8	105.8		78-115			

SEVERN TRENT STL

Submission: 2004-08-0403

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-1	08/12/2004 13:20	Water	1
S-2	08/12/2004 13:45	Water	2
S-3	08/12/2004 13:00	Water	3

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Prep(s): 5030B
Sample ID: **S-1**
Sampled: 08/12/2004 13:20
Matrix: Water

Test(s): 8260B
Lab ID: 2004-08-0403 - 1
Extracted: 8/26/2004 12:21
QC Batch#: 2004/08/26-1A.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	500	ug/L	10.00	08/26/2004 12:21	
Benzene	ND	5.0	ug/L	10.00	08/26/2004 12:21	
Toluene	ND	5.0	ug/L	10.00	08/26/2004 12:21	
Ethylbenzene	ND	5.0	ug/L	10.00	08/26/2004 12:21	
Total xylenes	ND	10	ug/L	10.00	08/26/2004 12:21	
tert-Butyl alcohol (TBA)	ND	50	ug/L	10.00	08/26/2004 12:21	
Methyl tert-butyl ether (MTBE)	1100	5.0	ug/L	10.00	08/26/2004 12:21	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	08/26/2004 12:21	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	08/26/2004 12:21	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	08/26/2004 12:21	
Surrogate(s)						
1,2-Dichloroethane-d4	109.5	76-130	%	10.00	08/26/2004 12:21	
Toluene-d8	102.9	78-115	%	10.00	08/26/2004 12:21	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Prep(s): 5030B
Test(s): 8260B

Sample ID: **S-2**
Lab ID: 2004-08-0403 - 2

Sampled: 08/12/2004 13:45
Extracted: 8/25/2004 12:14

Matrix: Water
QC Batch#: 2004/08/25-1B.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2600	1300	ug/L	25.00	08/25/2004 12:14	
Benzene	63	13	ug/L	25.00	08/25/2004 12:14	
Toluene	ND	13	ug/L	25.00	08/25/2004 12:14	
Ethylbenzene	ND	13	ug/L	25.00	08/25/2004 12:14	
Total xylenes	ND	25	ug/L	25.00	08/25/2004 12:14	
tert-Butyl alcohol (TBA)	1200	130	ug/L	25.00	08/25/2004 12:14	
Methyl tert-butyl ether (MTBE)	1400	13	ug/L	25.00	08/25/2004 12:14	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	25.00	08/25/2004 12:14	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	25.00	08/25/2004 12:14	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	25.00	08/25/2004 12:14	
Surrogate(s)						
1,2-Dichloroethane-d4	118.8	76-130	%	25.00	08/25/2004 12:14	
Toluene-d8	106.7	78-115	%	25.00	08/25/2004 12:14	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Prep(s): 5030B
Sample ID: **S-3**
Sampled: 08/12/2004 13:00
Matrix: Water

Test(s): 8260B
Lab ID: 2004-08-0403 - 3
Extracted: 8/25/2004 12:36
QC Batch#: 2004/08/25-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	08/25/2004 12:36	
Benzene	ND	0.50	ug/L	1.00	08/25/2004 12:36	
Toluene	ND	0.50	ug/L	1.00	08/25/2004 12:36	
Ethylbenzene	ND	0.50	ug/L	1.00	08/25/2004 12:36	
Total xylenes	ND	1.0	ug/L	1.00	08/25/2004 12:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/25/2004 12:36	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/25/2004 12:36	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	08/25/2004 12:36	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	08/25/2004 12:36	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	08/25/2004 12:36	
Surrogate(s)						
1,2-Dichloroethane-d4	117.6	76-130	%	1.00	08/25/2004 12:36	
Toluene-d8	100.7	78-115	%	1.00	08/25/2004 12:36	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/08/25-1B.64**

MB: 2004/08/25-1B.64-015 — Date Extracted: 08/25/2004 07:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/25/2004 07:15	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/25/2004 07:15	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/25/2004 07:15	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/25/2004 07:15	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/25/2004 07:15	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/25/2004 07:15	
Benzene	ND	0.5	ug/L	08/25/2004 07:15	
Toluene	ND	0.5	ug/L	08/25/2004 07:15	
Ethylbenzene	ND	0.5	ug/L	08/25/2004 07:15	
Total xylenes	ND	1.0	ug/L	08/25/2004 07:15	
Surrogates(s)					
1,2-Dichloroethane-d4	107.2	76-130	%	08/25/2004 07:15	
Toluene-d8	104.8	78-115	%	08/25/2004 07:15	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/08/26-1A.64**

MB: 2004/08/26-1A.64-059 — Date Extracted: 08/26/2004 06:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	08/26/2004 06:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/26/2004 06:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/26/2004 06:59	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	08/26/2004 06:59	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	08/26/2004 06:59	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	08/26/2004 06:59	
Benzene	ND	0.5	ug/L	08/26/2004 06:59	
Toluene	ND	0.5	ug/L	08/26/2004 06:59	
Ethylbenzene	ND	0.5	ug/L	08/26/2004 06:59	
Total xylenes	ND	1.0	ug/L	08/26/2004 06:59	
Surrogates(s)					
1,2-Dichloroethane-d4	108.6	76-130	%	08/26/2004 06:59	
Toluene-d8	108.0	78-115	%	08/26/2004 06:59	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/25-1B.64**

LCS 2004/08/25-1B.64-054 Extracted: 08/25/2004 Analyzed: 08/25/2004 06:31

LCSD 2004/08/25-1B.64-053 Extracted: 08/25/2004 Analyzed: 08/25/2004 06:53

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.3	27.2	25	109.2	108.8	0.4	65-165	20		
Benzene	26.3	24.5	25	105.2	98.0	7.1	69-129	20		
Toluene	29.3	27.5	25	117.2	110.0	6.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	499	511	500	99.8	102.2		76-130			
Toluene-d8	543	518	500	108.6	103.6		78-115			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/08/26-1A.64**

LCS 2004/08/26-1A.64-014 Extracted: 08/26/2004 Analyzed: 08/26/2004 06:14
LCSD 2004/08/26-1A.64-036 Extracted: 08/26/2004 Analyzed: 08/26/2004 06:36

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.0	25.2	25	96.0	100.8	4.9	65-165	20		
Benzene	25.3	26.0	25	101.2	104.0	2.7	69-129	20		
Toluene	25.5	25.9	25	102.0	103.6	1.6	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	510	514	500	102.0	102.8		76-130			
Toluene-d8	522	522	500	104.4	104.4		78-115			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040812-DW-2
98995756

Received: 08/13/2004 14:38

Site: 5755 Broadway, Oakland

Legend and Notes

Analysis Flag

o

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

LAB: STL

Lab (location if necessary)

Address

City, State, Zip

SHELL Chain Of Custody Record

90088

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2004-08-0403

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 5 6

SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 8-12-04

PAGE: 1 of 1

Sampling Company: Blaine Tech Services	Log Code: BTSS	Site Address (Street and City): 5755 Broadway, Oakland	Global ID No: T0600101270
Address: 1680 Rogers Avenue, San Jose, CA 95112	EDF Deliverable To (Responsible Party or Designee): Anni Kreml	Phone No: (510) 420-3335	E-mail: ShellOaklandEDF@cambria-env.com
Project Contact (Hardcopy or PDF Report to): Leon Gearhart	Sampler Name(s) (Print): Dave Walter		Consultant Project No: 040812-DW-3; BTS #
Telephone: 408-573-0555; Fax: 408-573-7771; E-mail: lgearhart@blainetech.com			LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ____

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

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

REQUESTED ANALYSIS

Lab Use Only	Field Sample Identification	Sampling Date	Sampling Time	Matrix	No. of Cont.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)									FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	S-1	8-12	13:30	W	3	X	X		X	X															TEMPERATURE ON RECEIPT C°: 6
	S-2	↓	13:45	↓	↓	X	X		X	X															
	S-3		13:60			X	X		X	X															
	H-1		13:25			X	X		X																
	T-2		14:30			X	X		X																

Relinquished by (Signature)	Received by (Signature)	Date	Time
David C. Walter	[signature]	8/13/04	1438
[signature] 8/13/04 1734	[signature]	8/13/04	1734

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

10/16/01 Revision

WELL GAUGING DATA

Project # 040812-DW-2 Date 8-12-04 Client Shell

Site 5755 Broadway Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
S-1	3					3.70	11.65		
S-2	4					* —	—		
S-3	4					3.91	9.70		
H-1	4	grab				4.78	12.05		
T-2	12	V SPH	No SPH detected			2.72	13.05		
* UNABLE TO GAUGE DTW, SOUNDER CATCHES ON EXT. TUBING									

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-2	Site: 5755 Broadway
Sampler: DW	Date: 8-12-04
Well I.D.: S-1	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 11.65	Depth to Water (DTW): 3.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.29	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

2.9 (Gals.) X 3 = 8.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
13:08	73.7	7.5	677	>200	3	cloudy
13:09	well	dewatered @ 5	gl. DTW=9.60			
13:20	72.5	7.3	657	7200	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Date: 8-12-04 Sampling Time: 13:20 Depth to Water: 5.00

Sample I.D.: S-1 Laboratory: (STL) Other_____

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-2	Site: 5755 Broadway
Sampler: DW	Date: 8-12-04
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): —
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: X Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
13:45	70.4	7.0	878	7	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8-12-04 Sampling Time: 13:45 Depth to Water:

Sample I.D.: S-2 Laboratory: (STL) Other_____

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-2	Site: 5755 Broadway
Sampler: DW	Date: 8-12-04
Well I.D.: S-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 9.70	Depth to Water (DTW): 3.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.06	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ___

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

3.8 (Gals.) X	3	= 11.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
12:54	72.8	7.1	1137	16	4	
	well dewatered @ 5 gl.			DTW = 7.70	~~8~~	
13:00	72.9	7.4	1202	25	~~12~~ -	

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Date: 8-12-04 Sampling Time: 13:00 Depth to Water: 5.05

Sample I.D.: S-3 Laboratory: (STL) Other ___

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-2	Site: 5755 Broadway
Sampler: DW	Date: 8-12-04
Well I.D.: H-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 12.05	Depth to Water (DTW): 4.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: X Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume — Specified Volumes — Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
13:25	75.6	7.1	555	10	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 8-12-04 Sampling Time: 13:25 Depth to Water:

Sample I.D.: H-1 Laboratory: (STL) Other ____

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 040812-DW-2	Site: 5755 Broadway
Sampler: DW	Date: 8-12-04
Well I.D.: T-2	Well Diameter: 2 3 4 6 8 (12)
Total Well Depth (TD): 13.05	Depth to Water (DTW): 2.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.78	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

61 (Gals.) X 3 = 183 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
13:55	73.8	7.1	828	3	61	
14:07	75.5	7.1	820	2	122	
14:19	76.5	7.1	818	2	183	

Did well dewater? Yes (No) Gallons actually evacuated: 183

Sampling Date: 8-12-04 Sampling Time: 14:20 Depth to Water:

Sample I.D.: T-2 Laboratory: (STL) Other_____

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV