Denis L. Brown

Shell Oil Products US
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February 15, 2006
Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Fourth Quarter 2005 Monitoring Report
Shell-branded Service Station
540 Hegenberger Road
Oakland, California
SAP Code 135694
Incident No. 98995752

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Fourth Quarter 2005 Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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

Sincerely,

Denis L. Brown
Sr. Environmental Engineer

CAMBRIA

February 15, 2006

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

Re: **Fourth Quarter 2005 Monitoring Report**
Shell-branded Service Station
540 Hegenberger Road
Oakland, California
Incident #98995752
Cambria Project #248-0414-002
ACHCSA Case # RO-0223

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.

FOURTH QUARTER 2005 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged water levels, sampled the monitoring wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a vicinity map which 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. The groundwater monitoring and sampling frequency at the adjacent Arco station located at 566 Hegenberger Road has been reduced to semi-annual. Cambria will continue to coordinate sampling activities with Arco during the first and third quarters.

Historical Interim Remediation Summary: From July 1999 through June 2000, mobile groundwater extraction (GWE) using a vacuum truck was performed to remove dissolved-phase hydrocarbons and methyl tertiary butyl ether (MTBE) from beneath the site. From June through December 2000, mobile dual-phase vacuum extraction (DVE) using a vacuum truck and carbon vapor abatement was conducted to enhance GWE and to extract vapor-phase hydrocarbons and MTBE from the soil as well. DVE was discontinued after the December 2000 event, but was reinstated on a monthly basis in May 2001. Due to low vapor mass-removal rates, DVE was

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discontinued in October 2001, and monthly GWE was reinstated. Monitoring wells MW-1 and MW-3 and tank backfill well BW-D were used for extraction until April 2002, when extraction from the tank backfill was switched from well BW-D to BW-B due to higher historical MTBE concentrations observed in this well. A total of 13.7 pounds of MTBE was removed from the subsurface during mobile DVE and GWE events. Monthly GWE events were discontinued in March 2003 when construction of a fixed GWE system began.

GWE System: Based on the groundwater monitoring and GWE system data, which demonstrated decreased MTBE concentrations in groundwater, Cambria shut down GWE system operation on August 4, 2004. After reviewing the third quarter 2004 groundwater monitoring data, which showed rebound of MTBE concentrations in well MW-3 (28,000 parts per billion [ppb] on September 22, 2004), Cambria restarted the system on November 2, 2004, pumping only from well MW-3.

After the system was restarted, the fourth quarter 2004 groundwater monitoring data showed a significant decrease in MW-3 concentrations (84 ppb on December 22, 2004). Based on this and GWE system influent data from the first quarter 2005 (see Table 1), Cambria shut the system down again on March 2, 2005. MTBE concentrations across the site remained low during the first quarter 2005 sampling event (85 ppb MTBE in MW-3 on February 23, 2005), and the system remained off throughout the second quarter of 2005. After reviewing the second quarter 2005 groundwater monitoring data, which showed rebound of MTBE concentrations in well MW-3 (6,100 ppb on June 27, 2005), Cambria restarted the system on July 29, 2005, pumping only from well MW-3.

After the system was restarted, the third quarter 2005 groundwater monitoring data showed a significant decrease in MW-3 MTBE concentrations (300 ppb on August 31, 2005). Based on this and GWE system influent data from the third and fourth quarters of 2005 (see Table 1), Cambria shut the system down again on November 8, 2005. Cambria operated the system on January 3, 2006 for the purpose of processing approximately 740 gallons of rainwater that had accumulated in the remediation compound. Fourth quarter 2005 groundwater monitoring data indicate that MTBE concentrations remain low in well MW-3 (303 ppb on December 14, 2005). The MTBE concentration in MW-3 is an estimate, since the analyte exceeded the calibration range of the testing instrument. Re-analysis was not performed due to holding time requirements.

Table 1 summarizes GWE system analytical data. Table 2 summarizes the field data and system operation and calculates mass removal. Through January 3, 2006, a total of 360,470 gallons of groundwater has been extracted. A total of 18.4 pounds of MTBE has been recovered.

ANTICIPATED FIRST QUARTER 2006 ACTIVITIES

Groundwater Monitoring: Blaine will gauge water levels, sample the monitoring wells, and tabulate the data. In addition, Blaine will sample tank backfill well BW-D. The sampling event will take place concurrently with sampling at the Arco station located at 566 Hegenberger Road. Arco and Shell will exchange water level and analytical data for these events. Cambria will prepare a report documenting those activities.

Oxygenate Analysis: Due to repeated detection of tertiary butyl alcohol (TBA) in site wells, Shell will add TBA to the quarterly analytical suite for future samples collected from wells MW-1, MW-2, MW-3, and MW-5.

GWE System: Except for processing rainwater that may accumulate in the compound, the GWE system is expected to remain off throughout the first quarter 2006. Cambria will continue to evaluate subsequent groundwater monitoring and sampling data to determine the appropriate course of action for the GWE system.

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
Project Engineer

Aubrey K. Cool, P.G.
Senior Project Geologist

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

Tables: 1 - Groundwater Extraction – System Analytical Data
2 - Groundwater Extraction – Operation and Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810

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10/05/01

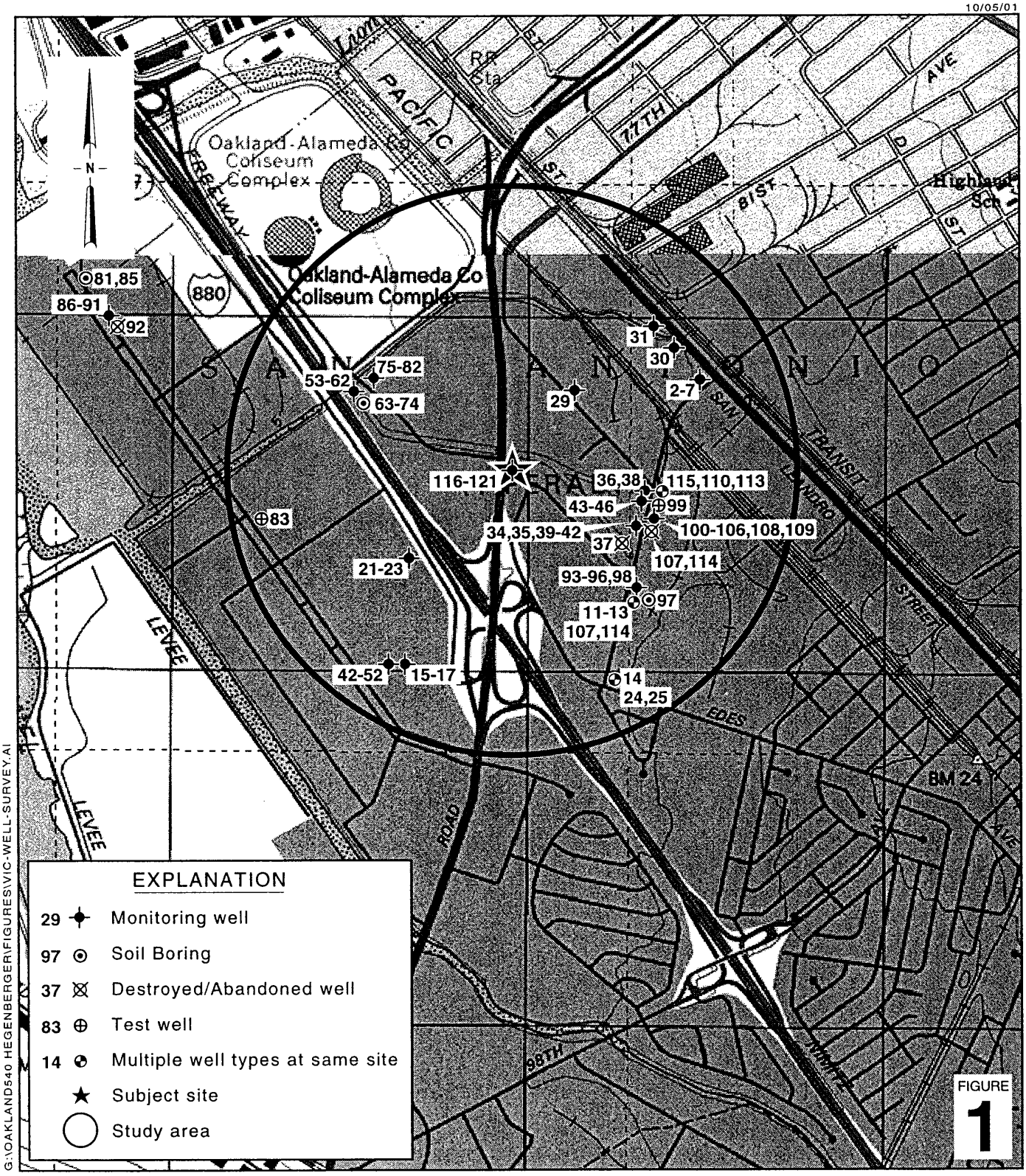

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FIGURE 1

0 1/8 1/4 1/2 1

SCALE 1:1/4 MILES

Shell-branded Service Station
540 Hegenberger Road
Oakland, California
Incident #98995752

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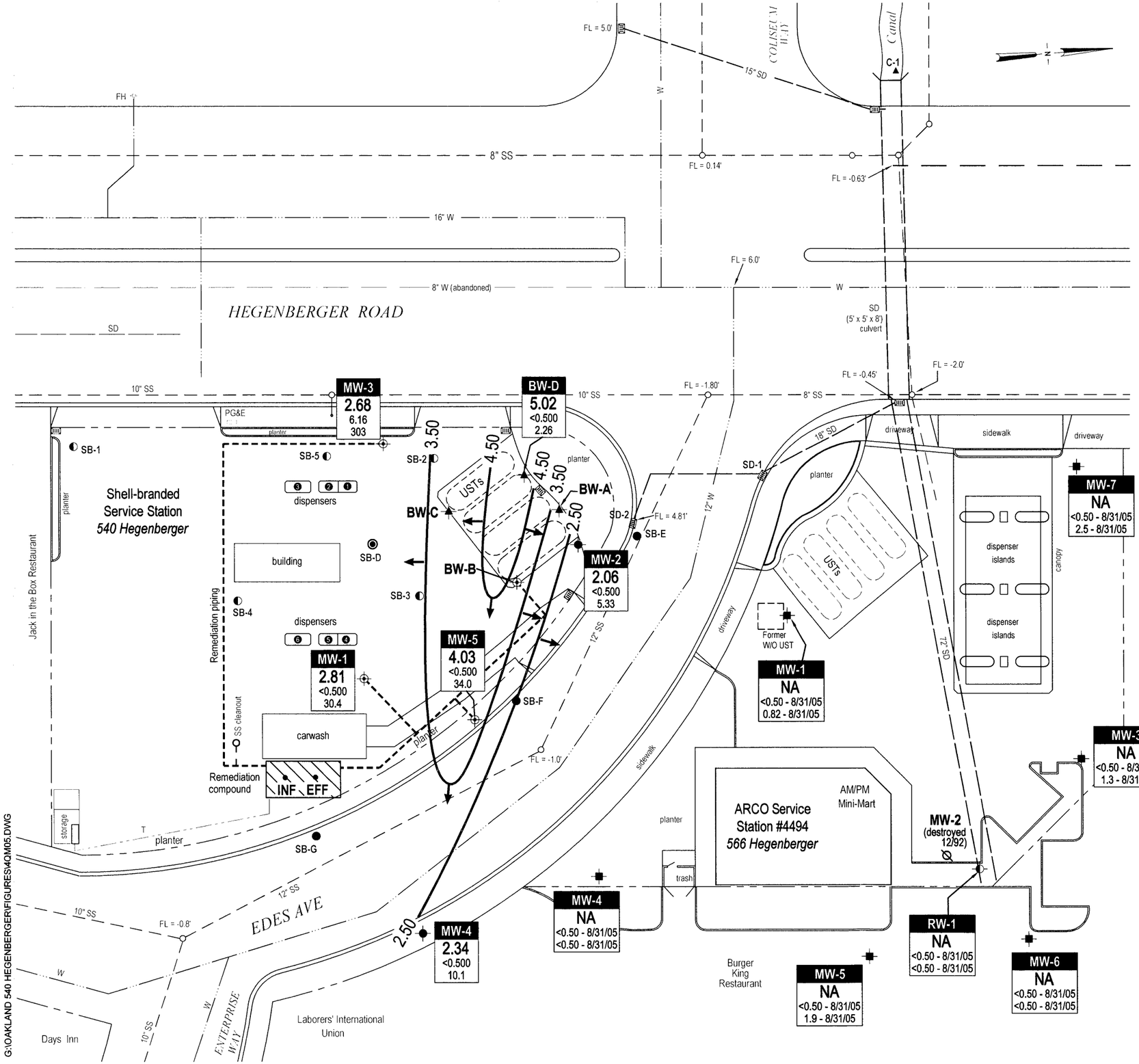
Vicinity / Area Well Survey Map

(1/2-Mile Radius)

02/09/06

Groundwater Elevation Contour Map

December 14, 2005

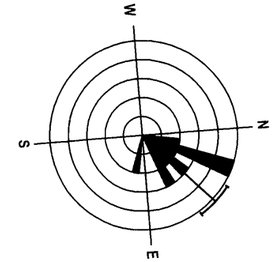


EXPLANATION

- MW-2 — Shell monitoring well
- BW-A — Tank backfill well
- MW-1 — Well used for groundwater extraction
- MW-1 — ARCO monitoring well
- RW-1 — ARCO recovery well
- SB-1 — Soil boring location (March 1998)
- SB-D — Soil boring location (July 1998)
- SB-E — Soil boring location (August 2000)
- C-1 — Former canal sampling location
- Sanitary sewer main (SS)
- Water line (W)
- Telephone line (T)
- Storm drain (SD)
- Flow direction
- FH — Fire hydrant
- FL = 5.0' — Flowline elevation (msl)
- INF — GWE Sample Location
- NA — Not available
- Groundwater flow direction
- XX.XX — Groundwater elevation contour, in feet above msl, approximately located, dashed where inferred

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.



Shell Groundwater Gradient Direction
August 1998 through March 2003
(20 events prior to groundwater extraction)

0 20 40 80
Scale (ft)

FIGURE
2

Shell-branded Service Station
540 Hegenberger Road
Oakland, California
Incident No.98995752

CAMBRIA

G:\OAKLAND 540 HEGENBERGER\FIGURES\4QM05.DWG

Table 1: **Groundwater Extraction - System Analytical Data -** Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road, Oakland, CA

	Influent			Midfluent 1			Midfluent 2			Effluent		
Sample Date (mm/dd/yyyy)	TPHg Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc (ppb)	TPHg Conc. (ppb)	Benzene Conc (ppb)	MTBE Conc. (ppb)	TPHg Conc. (ppb)	Benzene Conc (ppb)	MTBE Conc. (ppb)	TPHg Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc (ppb)
04/28/2003	<1,000	<10	2,700	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
05/12/2003	<10,000	<100	21,000	51[a]	<0.50	<0.50	140[a]	<0.50	<0.50	99[a]	<0.50	<0.50
05/27/2003	<10,000	<100	29,000	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
06/09/2003	<25,000	<250	20,000	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
06/23/2003	<500	<5.0	1,300	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
07/08/2003	<1,000	<10	2,000	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
07/25/2003	<500	<50	16,000	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
08/05/2003	<5,000	<50	11,000	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
08/19/2003	<10,000	<100	13,000	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
09/05/2003	<5,000	<50	8,900	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
09/19/2003	<2,000	<20	6,900	58	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
10/01/2003	<2,500	<25	5,300	<100	<1.0	<10	<50	<0.50	<5.0	<50	<0.50	<5.0
11/14/2003	<1,300	20	1,300	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
12/02/2003	<1,300	45	1,200	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
12/18/2003	<1,000	11	1,200	<500	<5.0	<50	<50	<0.50	<5.0	<50	<0.50	<5.0
01/06/2004	<250	<2.5	240	<500	<5.0	<50	<50	<0.50	<5.0	<50	<0.50	<5.0
02/04/2004	<500	<5.0	620	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
03/09/2004	<100	<1.0	100	<50	<0.50	<0.50	NS	NS	NS	NS	NS	NS
04/02/2004	<100	<1.0	110	<50	<0.50	<0.50	NS	NS	NS	NS	NS	NS
05/14/2004	<100	<1.0	270	<50	<0.50	<5.0	NS	NS	NS	NS	NS	NS
06/10/2004	<100	1.4	180	<50	<0.50	<5.0	NS	NS	NS	NS	NS	NS
07/08/2004	<100	<1.0	190	<50	<0.50	<5.0	<50	<0.50	<5.0	NS	NS	NS
08/04/2004	<100	<1.0	160	<50	<0.50	<0.50	NS	NS	NS	<50	<0.50	<0.50
11/02/2004	<100	6.6	240	130	<0.50	<5.0	<50	<0.50	<5.0	NS	NS	NS

Table 1: **Groundwater Extraction - System Analytical Data -** Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road, Oakland, CA

	Influent			Midfluent 1			Midfluent 2			Effluent		
Sample Date (mm/dd/yyyy)	TPHg Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc (ppb)	TPHg Conc. (ppb)	Benzene Conc (ppb)	MTBE Conc. (ppb)	TPHg Conc. (ppb)	Benzene Conc (ppb)	MTBE Conc. (ppb)	TPHg Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc (ppb)
11/23/2004	<100	<1.0	170	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
12/06/2004	<100	<1.0	91	<50	<0.50	<5.0	NS	NS	NS	<50	<0.50	<5.0
01/04/2005	51[b]	<0.50	12	<50	<0.50	<5.0	NS	NS	NS	NS	NS	NS
02/02/2005	87	<0.50	79	210	<0.50	<5.0	NS	NS	NS	NS	NS	NS
03/02/2005	<50	<0.50	58	<50	<0.50	<5.0	NS	NS	NS	<50	<0.50	<5.0
08/12/2005	490[a]	4.0	110	<50	<0.50	<5.0	<50	<0.50	<5.0	NS	NS	NS
10/14/2005	<50	<0.50	11	<50	<0.50	<5.0	NS	NS	NS	<50	<0.50	<5.0
11/08/2005	<50	<0.50	12	<50	<0.50	<5.0	NS	NS	NS	NS	NS	NS

Abbreviations & Notes:

TPHg = Total purgeable hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
Conc. = Concentration
ppb = parts per billion, equivalent to µg/l
TPHg, benzene, and MTBE analyzed by EPA Method 8260B
a = Hydrocarbons reported in the gasoline range do not match the laboratory gasoline standard.
b = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

Table 2: Groundwater Extraction - Operation and Mass Removal Data - Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road , Oakland, CA

		Period				TPHg			Benzene			MTBE		
Site Visit (mm/dd/yy)	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Operational Flow Rate (gpm)	Cumulative Volume (gal)	TPHg Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)	Benzene Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)	MTBE Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)
04/28/03	3.3	840	0	0.00	0	<1,000	0.000	0.000	<10	0.000	0.000	2,700	0.000	0.000
05/02/03	101.3	6,680	5,840	0.99	5,840		0.024	0.024		0.000	0.000		0.132	0.132
05/12/03	341.2	23,885	17,205	1.20	23,045	<10,000	0.718	0.742	<100	0.007	0.007	21,000	3.015	3.146
05/27/03	699.9	45,085	21,200	0.99	44,245	<10,000	0.885	1.627	<100	0.009	0.016	29,000	5.130	8.277
06/09/03	1011.8	58,453	13,368	0.71	57,613	<25,000	1.394	3.021	<250	0.014	0.030	20,000	2.231	10.507
06/23/03	1347.2	67,082	8,629	0.43	66,242	<500	0.018	3.039	<5.0	0.000	0.030	1,300	0.094	10.601
07/08/03	1706.9	80,092	13,010	0.60	79,252	<1,000	0.054	3.093	<10	0.001	0.031	2,000	0.217	10.818
07/25/03	2113.6	97,580	17,488	0.72	96,740	<500	0.036	3.130	<50	0.004	0.035	16,000	2.335	13.153
08/05/03	2136.0	98,536	956	0.71	97,696	<5,000	0.020	3.150	<50	0.000	0.035	11,000	0.088	13.241
08/19/03	2473.8	114,245	15,709	0.78	113,405	<10,000	0.655	3.805	<100	0.007	0.041	13,000	1.704	14.945
09/05/03	2881.3	125,020	10,775	0.44	124,180	<5,000	0.225	4.030	<50	0.002	0.044	8,900	0.800	15.745
09/19/03	3218.8	136,594	11,574	0.57	135,754	<2,000	0.097	4.126	<20	0.001	0.045	6,900	0.666	16.411
10/01/03	3503.6	145,329	8,735	0.51	144,489	<2,500	0.091	4.218	<25	0.001	0.045	5,300	0.386	16.798
10/17/03	3821.0	154,978	9,649	0.51	154,138		0.101	4.318		0.001	0.046		0.427	17.224
10/31/03	4155.5	165,292	10,314	0.51	164,452		0.108	4.426		0.001	0.048		0.456	17.681
11/14/03	4299.6	171,405	6,113	0.71	170,565	<1,300	0.033	4.459	20	0.001	0.049	1,300	0.066	17.747
11/19/03	4300.4	171,405	0	0.00	170,565		0.000	4.459		0.000	0.049		0.000	17.747
11/26/03	4468.3	179,248	7,843	0.78	178,408		0.043	4.502		0.001	0.050		0.085	17.832
12/02/03	4614.1	186,020	6,772	0.77	185,180	<1,300	0.037	4.538	45	0.003	0.052	1,200	0.068	17.900
12/18/03	5000.8	205,130	19,110	0.82	204,290		0.104	4.642		0.007	0.060		0.191	18.091
01/02/04	5361.9	209,447	4,317	0.20	208,607		0.023	4.665		0.002	0.061		0.043	18.134
01/06/04	5451.1	210,081	634	0.12	209,241	<250	0.001	4.666	<2.5	0.000	0.061	240	0.001	18.136
01/20/04	5788.5	214,091	4,010	0.20	213,251		0.004	4.670		0.000	0.061		0.008	18.144
01/28/04	5842.8	215,451	1,360	0.42	214,611		0.001	4.672		0.000	0.061		0.003	18.146
02/04/04	5987.0	220,414	4,963	0.57	219,574	<500	0.010	4.682	<5.0	0.000	0.061	620	0.026	18.172
02/18/04	6343.4	222,732	2,318	0.11	221,892		0.005	4.687		0.000	0.061		0.012	18.184
02/20/04	6392.8	223,811	1,079	0.36	222,971		0.002	4.689		0.000	0.061		0.006	18.190
03/09/04	6688.4	229,070	5,259	0.30	228,230	<100	0.002	4.691	<1.0	0.000	0.061	100	0.004	18.194
03/25/04	7074.7	234,471	5,401	0.23	233,631		0.002	4.693		0.000	0.061		0.005	18.199
04/02/04	7262.7	237,008	2,537	0.22	236,168	<100	0.001	4.695	<1.0	0.000	0.062	110	0.002	18.201
04/14/04	7554.7	238,665	1,657	0.09	237,825		0.001	4.695		0.000	0.062		0.002	18.202
04/27/04	7864.7	266,992	28,327	1.52	266,152		0.012	4.707		0.000	0.062		0.026	18.228
05/14/04	8271.1	281,246	14,254	0.58	280,406	<100	0.006	4.713	<1.0	0.000	0.062	270	0.032	18.261
05/26/04	8556.7	300,888	19,642	1.15	300,048		0.008	4.721		0.000	0.062		0.044	18.305
06/10/04	8922.2	304,323	3,435	0.16	303,483	<100	0.001	4.723	1.4	0.000	0.062	180	0.005	18.310
06/15/04	9017.3	310,562	6,239	1.09	309,722		0.003	4.725		0.000	0.062		0.009	18.319
06/23/04	9209.9	315,074	4,512	0.39	314,234		0.002	4.727		0.000	0.062		0.007	18.326
07/08/04	9574.6	316,639	1,565	0.07	315,799	<100	0.001	4.728	<1.0	0.000	0.062	190	0.002	18.329
07/23/04	9933.6	325,405	8,767	0.41	324,565		0.004	4.731		0.000	0.062		0.014	18.342
08/04/04	10219.5	331,453	6,048	0.35	330,613	<100	0.003	4.734	<1.0	0.000	0.062	160	0.008	18.351
11/02/04	10221.8	331,745	292	2.12	330,905	<100	0.000	4.734	6.6	0.000	0.062	240	0.001	18.351
11/23/04	10578.6	338,624	6,879	0.32	337,784	<100	0.003	4.737	<1.0	0.000	0.062	170	0.010	18.361

Table 2: Groundwater Extraction - Operation and Mass Removal Data - Shell-branded Service Station, Incident #98995752, 540 Hegenberger Road , Oakland, CA

			Period			TPHg			Benzene			MTBE		
Site Visit (mm/dd/yy)	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Operational Flow Rate (gpm)	Cumulative Volume (gal)	TPHg Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)	Benzene Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)	MTBE Conc. (ppb)	Period Removal (pounds)	Cumulative Removal (pounds)
12/06/04	10893.4	338,754	130	0.01	337,914	<100	0.000	4.737	<1.0	0.000	0.062	91	0.000	18.361
12/17/04	11154.0	344,387	5,633	0.36	343,547		0.002	4.739		0.000	0.062		0.004	18.365
01/04/05	11543.0	348,748	4,361	0.19	347,908	51	0.002	4.741	<0.50	0.000	0.062	12	0.000	18.366
01/21/05	11955.3	350,749	2,001	0.08	349,909		0.001	4.742		0.000	0.062		0.000	18.366
02/02/05	12153.7	353,595	2,846	0.24	352,755	87	0.002	4.744	<0.50	0.000	0.062	79	0.002	18.368
02/17/05	12509.4	354,130	535	0.03	353,290		0.000	4.744		0.000	0.062		0.000	18.368
03/02/05	12820.7	355,702	1,572	0.08	354,862	<50	0.000	4.745	<0.50	0.000	0.062	58	0.001	18.369
07/29/05	12822.9	355,917	215	1.63	355,077		0.000	4.745		0.000	0.062		0.000	18.369
08/12/05	13157.6	355,970	53	0.00	355,130	490	0.000	4.745	4.0	0.000	0.062	110	0.000	18.369
08/29/05	13159.7	356,018	48	0.38	355,178		0.000	4.745		0.000	0.062		0.000	18.369
09/12/05	13496.5	356,026	8	0.00	355,186		0.000	4.745		0.000	0.062		0.000	18.369
09/29/05	13496.5	356,026	0	0.00	355,186		0.000	4.745		0.000	0.062		0.000	18.369
10/14/05	13857.4	358,131	2,105	0.10	357,291	<50	0.000	4.746	<0.50	0.000	0.062	11	0.000	18.369
10/26/05	14147.8	360,031	1,900	0.11	359,191		0.000	4.746		0.000	0.062		0.000	18.369
11/08/05	14456.0	361,310	1,279	0.07	360,470	<50	0.000	4.746	<0.50	0.000	0.062	12	0.000	18.370
01/03/06	14456.0	362,050	740	0.00	361,210	rainwater			rainwater			rainwater		
		Total Extracted Volume=		**360,470**		**Total Pounds Removed:**		**4.75**	**Total Pounds Removed:**		**0.062**	**Total Pounds Removed:**		**18.4**
		Average Period Operational Flow Rate=		**0.06**		**Total Gallons Removed:**		**0.779**	**Total Gallons Removed:**		**0.008**	**Total Gallons Removed:**		**2.97**

Abbreviations & Notes:

TPHg = Total purgeable hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
Conc. = Concentration
ppb = Parts per billion, equivalent to µg/L
µg/L = Micrograms per liter
L = Liter gal = Gallon g = Gram
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x ($g/10^6 µg$) x (pound/453.6g) x (3.785 L/gal)
When constituents are not detected, the concentration is assumed to be equal to half the detection limit in subsequent calculations.
Volume removal data based on the formula: mass (pounds) x $(density)^{-1}$ (cc/g) x 453.6 (g/pound) x (L/1000 cc) * (gal/3.785 L)
Density inputs: TPHg = 0.73 g/cc, benzene = 0.88 g/cc, MTBE = 0.74 g/cc
TPHg, BTEX, and MTBE analyzed by EPA Method 8260B
System started on 4/28/03 with 3.3hours and 880 gallons on flow meter.

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

January 10, 2006

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

Fourth Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

Monitoring performed on December 14, 2005

Groundwater Monitoring Report **051214-MT-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

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
540 Hegenberger Road
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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1 (a)	08/26/1998	2,700	28	55	59	39	33,000	NA	NA	NA	NA	NA	NA	10.54	7.91	2.63	1.8
MW-1 (b)	08/26/1998	<1,000	22	<10	<10	<10	17,000	NA	NA	NA	NA	NA	NA	10.54	7.91	2.63	2.2
MW-1	12/28/1998	<5,000	<50.0	<50.0	<50.0	<50.0	153,000	33,000	NA	NA	NA	NA	NA	10.54	8.75	1.79	1.9
MW-1	03/29/1999	<2,000	<20.0	<20.0	<20.0	<20.0	693,000	NA	NA	NA	NA	NA	NA	10.54	8.32	2.22	2.0
MW-1	06/22/1999	20,000	<200	<200	<200	<200	150,000	NA	NA	NA	NA	NA	NA	10.54	9.05	1.49	1.7
MW-1	09/30/1999	<2,500	<25.0	<25.0	<25.0	<25.0	30,900	NA	NA	NA	NA	NA	NA	10.54	8.35	2.19	2.6
MW-1	11/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	9.58	0.96	NA
MW-1	11/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	9.65	0.89	NA
MW-1	12/02/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	9.55	0.99	NA
MW-1	12/10/1999	<50.0	29.7	<20.0	<20.0	<20.0	76,300	NA	NA	NA	NA	NA	NA	10.54	8.86	1.68	1.2
MW-1	03/02/2000	<2,500	<25.0	<25.0	<25.0	<25.0	27,600	NA	NA	NA	NA	NA	NA	10.54	8.83	1.71	3.2
MW-1	06/08/2000	<2,000	<20.0	<20.0	<20.0	<20.0	59,000	67,600	NA	NA	NA	NA	NA	10.54	7.78	2.76	1.9
MW-1	09/05/2000	<10,000	411	<100	<100	<100	71,100	115,000e	NA	NA	NA	NA	NA	10.54	7.84	2.70	NA
MW-1	12/15/2000	35,600	1,310	<50.0	<50.0	<50.0	136,000	f	NA	NA	NA	NA	NA	10.54	7.65	2.89	NA
MW-1	03/09/2001	<10,000	1,390	<100	<100	<100	89,600	164,000	NA	NA	NA	NA	NA	10.54	6.44	4.10	NA
MW-1	06/27/2001	<5,000	<50	<50	<50	<50	NA	19,000	NA	NA	NA	NA	NA	10.54	8.46	2.08	NA
MW-1	09/19/2001	<5,000	<50	<50	<50	<50	NA	52,000	NA	NA	NA	NA	NA	10.54	8.10	2.44	NA
MW-1	12/31/2001	<5,000	<25	<25	<25	<25	NA	17,000	NA	NA	NA	NA	NA	10.54	7.31	3.23	NA
MW-1	03/14/2002	<20,000	<200	<200	<200	<200	NA	60,000	NA	NA	NA	NA	NA	10.54	7.68	2.86	NA
MW-1	06/25/2002	<5,000	<50	<50	<50	<50	NA	34,000	NA	NA	NA	NA	NA	10.54	8.40	2.14	NA
MW-1	09/19/2002	<2,500	<25	<25	<25	<25	NA	18,000	NA	NA	NA	NA	NA	10.52	8.58	1.94	NA
MW-1	12/12/2002	<5,000	<50	<50	<50	<50	NA	30,000	NA	NA	NA	NA	NA	10.52	8.41	2.11	NA
MW-1	01/02/2003	NA	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	NA	10.52	7.45	3.07	NA
MW-1	03/20/2003 g	3,800	<25	<25	<25	<25	5,500	NA	NA	NA	NA	NA	NA	10.52	8.21	2.31	NA
MW-1	06/23/2003	<10,000	<100	<100	<100	<200	NA	35,000	NA	NA	NA	NA	NA	10.52	9.02	1.50	NA
MW-1	09/22/2003	<5,000	<50	<50	<50	<100	NA	15,000	NA	NA	NA	NA	NA	10.52	15.74	-5.22	NA
MW-1	12/03/2003	<1,300	<13	<13	<13	<25	NA	3,600	NA	NA	NA	NA	NA	10.52	18.35 h	NA	NA
MW-1	03/18/2004	<250	<2.5	<2.5	<2.5	<5.0	NA	570	NA	NA	NA	NA	NA	10.52	7.32	3.20	NA

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	05/25/2004	<250	<2.5	<2.5	<2.5	<5.0	NA	250	NA	NA	NA	NA	NA	10.52	6.80	3.72	NA
MW-1	09/22/2004	<2,000	<20	<20	<20	<40	NA	170	<80	<80	<80	20,000	<2,000	10.52	6.55	3.97	NA
MW-1	12/22/2004	<500	<5.0	<5.0	<5.0	<10	NA	57	NA	NA	NA	NA	NA	10.52	6.44	4.08	NA
MW-1	02/23/2005	<2,000	<20	<20	<20	<40	NA	110	NA	NA	NA	NA	NA	10.52	5.79	4.73	NA
MW-1	06/27/2005	<250	<2.5	<2.5	<2.5	<5.0	NA	16	NA	NA	NA	NA	NA	10.52	6.43	4.09	NA
MW-1	08/31/2005	<250	<2.5	<2.5	<2.5	<5.0	NA	32	<10	<10	<10	4,000	<250	9.27	6.38	2.89	NA
MW-1	**12/14/2005**	**<50.0**	**<0.500**	**2.03**	**<0.500**	**<0.500**	**NA**	**30.4**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.27**	**6.46**	**2.81**	**NA**
MW-2 (a)	08/26/1998	<250	3.2	<2.5	<2.5	<2.5	4,000	NA	NA	NA	NA	NA	NA	9.21	7.18	2.03	2.4
MW-2 (b)	08/26/1998	<250	3.1	<2.5	<2.5	<2.5	4,800	NA	NA	NA	NA	NA	NA	9.21	7.18	2.03	2.7
MW-2 (D)(b)	08/26/1998	<250	4.8	<2.5	<2.5	6.0	3,300	NA	NA	NA	NA	NA	NA	9.21	7.18	2.03	2.7
MW-2	12/28/1998	<50.0	<0.500	<0.500	<0.500	<0.500	28.8	NA	NA	NA	NA	NA	NA	9.21	7.34	1.87	2.1
MW-2	03/29/1999	235	<0.500	<0.500	<0.500	3.4	101	NA	NA	NA	NA	NA	NA	9.21	6.85	2.36	2.0
MW-2	06/22/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	9.21	7.10	2.11	1.9
MW-2	09/30/1999	<50.0	<0.500	<0.500	<0.500	<0.500	1,700	NA	NA	NA	NA	NA	NA	9.21	8.06	1.15	1.0
MW-2	12/10/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	9.21	8.61	0.60	1.4
MW-2	03/02/2000	<500	11.5	<5.00	<5.00	<5.00	5,280	NA	NA	NA	NA	NA	NA	9.21	6.33	2.88	0.4
MW-2	06/08/2000	<50.0	0.670	<0.500	<0.500	<0.500	3,160	NA	NA	NA	NA	NA	NA	9.21	6.87	2.34	1.6
MW-2	09/05/2000	<1,000	<10.0	<10.0	<10.0	<10.0	9,600	NA	NA	NA	NA	NA	NA	9.21	6.79	2.42	NA
MW-2	12/15/2000	<200	<2.00	<2.00	<2.00	<2.00	6,320	NA	NA	NA	NA	NA	NA	9.21	6.76	2.45	NA
MW-2	03/09/2001	<500	<5.00	<5.00	<5.00	<5.00	17,200	NA	NA	NA	NA	NA	NA	9.21	6.28	2.93	NA
MW-2	06/27/2001	<100	1.4	<1.0	<1.0	<2.0	NA	470	NA	NA	NA	NA	NA	9.21	7.12	2.09	NA
MW-2	09/19/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	330	NA	NA	NA	NA	NA	9.21	7.17	2.04	NA
MW-2	12/31/2001	<100	<1.0	<1.0	<1.0	<1.0	NA	420	NA	NA	NA	NA	NA	9.21	6.24	2.97	NA
MW-2	03/14/2002	<250	4.5	3.3	<2.5	<2.5	NA	1,600	NA	NA	NA	NA	NA	9.21	6.72	2.49	NA
MW-2	06/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	110	NA	NA	NA	NA	NA	9.21	7.23	1.98	NA
MW-2	09/19/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	90	NA	NA	NA	NA	NA	9.19	7.48	1.71	NA
MW-2	12/12/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	NA	NA	9.19	7.33	1.86	NA

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	03/20/2003 g	56	<0.50	<0.50	<0.50	<0.50	58	NA	NA	NA	NA	NA	NA	9.19	7.65	1.54	NA
MW-2	06/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	44	NA	NA	NA	NA	NA	9.19	8.72	0.47	NA
MW-2	09/22/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	37	NA	NA	NA	NA	NA	9.19	8.84	0.35	NA
MW-2	12/03/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	99	NA	NA	NA	NA	NA	9.19	8.95	0.24	NA
MW-2	03/18/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	NA	9.19	7.19	2.00	NA
MW-2	05/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	53	NA	NA	NA	NA	NA	9.19	8.40	0.79	NA
MW-2	09/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	24	<2.0	<2.0	<2.0	100	<50	9.19	7.08	2.11	NA
MW-2	12/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	39	NA	NA	NA	NA	NA	9.19	7.09	2.10	NA
MW-2	02/23/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	38	NA	NA	NA	NA	NA	9.19	6.50	2.69	NA
MW-2	06/27/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	28	NA	NA	NA	NA	NA	9.19	7.17	2.02	NA
MW-2	08/31/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	5.5	<2.0	<2.0	<2.0	19	<50	9.19	7.21	1.98	NA
MW-2	**12/14/2005**	**<50.0**	**<0.500**	**2.16**	**<0.500**	**<0.500**	**NA**	**5.33**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.19**	**7.13**	**2.06**	**NA**
MW-3 (a)	08/26/1998	2,300	180	330	<0.50	420	44,000	NA	NA	NA	NA	NA	NA	9.45	6.52	2.93	1.8
MW-3 (b)	08/26/1998	<50	<0.50	<0.50	<0.50	<0.50	52,000	75,000	NA	NA	NA	NA	NA	9.45	6.52	2.93	2.3
MW-3	12/28/1998	<5,00	139	<50.0	<50.0	<50.0	15,100	NA	NA	NA	NA	NA	NA	9.45	6.73	2.72	1.7
MW-3	03/29/1999	52,500	5,500	6,900	1,360	6,250	508,000	630,000 (c)	NA	NA	NA	NA	NA	9.45	6.21	3.24	2.1
MW-3	06/22/1999	58,000	6,600	9,850	1,640	6,950	677,000	653,000	NA	NA	NA	NA	NA	9.45	7.00	2.45	1.3
MW-3	09/30/1999	4,360	121	122	36.1	647	33,700	35,600	NA	NA	NA	NA	NA	9.45	6.84	2.61	0.6
MW-3	11/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.45	7.93	1.52	NA
MW-3	11/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.45	8.25	1.20	NA
MW-3	12/02/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.45	7.55	1.90	NA
MW-3	12/10/1999	4,220	973	26.3	273	584	88,200	NA	NA	NA	NA	NA	NA	9.45	7.28	2.17	2.5
MW-3	03/02/2000	65,300	5,210	10,300	2,650	15,100	56,800	59,800e	NA	NA	NA	NA	NA	9.45	5.87	3.58	d
MW-3	06/08/2000	72,700	3,570	10,200	2,100	13,400	44,400	NA	NA	NA	NA	NA	NA	9.45	5.32	4.13	1.1
MW-3	09/05/2000	26,100	959	2,910	1,090	5,640	24,000	NA	NA	NA	NA	NA	NA	9.45	5.60	3.85	NA
MW-3	12/15/2000	5,190	438	8.39	483	530	19,100	11,800f	NA	NA	NA	NA	NA	9.45	6.27	3.18	NA
MW-3	03/09/2001	5,880	472	42.2	392	1,290	41,800	NA	NA	NA	NA	NA	NA	9.45	5.71	3.74	NA

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	06/27/2001	9,100	330	79	140	1,600	NA	31,000	NA	NA	NA	NA	NA	9.45	6.88	2.57	NA
MW-3	09/19/2001	790	14	18	17	67	NA	8,100	NA	NA	NA	NA	NA	9.45	6.70	2.75	NA
MW-3	12/31/2001	<5,000	220	<50	86	<50	NA	22,000	NA	NA	NA	NA	NA	9.45	5.92	3.53	NA
MW-3	03/14/2002	<2,500	<25	<25	<25	<25	NA	12,000	NA	NA	NA	NA	NA	9.45	6.25	3.20	NA
MW-3	06/25/2002	<10,000	160	<100	<100	<100	NA	42,000	NA	NA	NA	NA	NA	9.45	6.65	2.80	NA
MW-3	09/19/2002	<10,000	650	<100	280	360	NA	84,000	NA	NA	NA	NA	NA	9.45	6.51	2.94	NA
MW-3	12/12/2002	<10,000	170	<100	<100	<100	NA	45,000	NA	NA	NA	NA	NA	9.45	6.97	2.48	NA
MW-3	01/02/2003	NA	59	<5.0	5.3	<10	NA	NA	NA	NA	NA	NA	NA	9.45	5.90	3.55	NA
MW-3	03/20/2003 g	5,100	<50	<50	<50	<50	4,400	NA	NA	NA	NA	NA	NA	9.45	6.87	2.58	NA
MW-3	06/23/2003	<5,000	<50	<50	<50	<100	NA	8,100	NA	NA	NA	NA	NA	9.45	13.80	-4.35	NA
MW-3	09/22/2003	<250	<2.5	4.6	<2.5	<5.0	NA	470	NA	NA	NA	NA	NA	9.45	6.31	3.14	NA
MW-3	12/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	180	NA	NA	NA	NA	NA	9.45	14.77 h	NA	NA
MW-3	03/18/2004	<1,000	14	<10	<10	<20	NA	2,500	NA	NA	NA	NA	NA	9.45	6.07	3.38	NA
MW-3	05/25/2004	3,900	<10	66	23	470	NA	140	NA	NA	NA	NA	NA	9.45	14.63	-5.18	NA
MW-3	09/22/2004	<10,000	830	<100	290	450	NA	28,000	<400	<400	<400	13,000	<10,000	9.45	4.86	4.59	NA
MW-3	12/22/2004	94	<0.50	<0.50	<0.50	<1.0	NA	84	NA	NA	NA	NA	NA	9.45	6.93	2.52	NA
MW-3	02/23/2005	<50 i	<0.50	<0.50	<0.50	<1.0	NA	85	NA	NA	NA	NA	NA	9.45	5.68	3.77	NA
MW-3	06/27/2005	<2,500	96	<25	29	<50	NA	6,100	NA	NA	NA	NA	NA	9.45	4.80	4.65	NA
MW-3	08/31/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	300	<2.0	<2.0	<2.0	700	<50	8.33	5.07	3.26	NA
MW-3	**12/14/2005**	**647**	**6.16**	**2.37**	**1.88**	**<0.500**	**NA**	**303 j**	**NA**	**NA**	**NA**	**NA**	**NA**	**8.33**	**5.65**	**2.68**	**NA**
MW-4	09/25/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.88	7.64	2.24	NA
MW-4	12/15/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	9.88	7.55	2.33	NA
MW-4	03/09/2001	<50.0	<0.500	0.730	<0.500	0.529	3.16	NA	NA	NA	NA	NA	NA	9.88	7.04	2.84	NA
MW-4	06/27/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	7.76	2.12	NA
MW-4	09/19/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	7.69	2.19	NA
MW-4	12/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	7.08	2.80	NA
MW-4	03/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	7.57	2.31	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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MW-4	06/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	8.50	1.38	NA
MW-4	09/19/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	8.22	1.66	NA
MW-4	12/12/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	8.08	1.80	NA
MW-4	03/20/2003 g	<50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	NA	9.88	7.92	1.96	NA
MW-4	06/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	9.88	8.18	1.70	NA
MW-4	09/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	NA	9.88	8.28	1.60	NA
MW-4	12/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	15	NA	NA	NA	NA	NA	9.88	8.44	1.44	NA
MW-4	03/18/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	15	NA	NA	NA	NA	NA	9.88	7.52	2.36	NA
MW-4	05/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	NA	NA	NA	NA	NA	9.88	8.30	1.58	NA
MW-4	09/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	<5.0	<50	9.88	7.72	2.16	NA
MW-4	12/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	NA	NA	NA	NA	NA	9.88	7.32	2.56	NA
MW-4	02/23/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	NA	NA	9.88	6.95	2.93	NA
MW-4	06/27/2005	55	<0.50	<0.50	<0.50	<1.0	NA	14	NA	NA	NA	NA	NA	9.88	7.48	2.40	NA
MW-4	08/31/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	15	<2.0	<2.0	<2.0	11	<50	9.88	7.53	2.35	NA
MW-4	**12/14/2005**	**<50.0**	**<0.500**	**2.04**	**<0.500**	**<0.500**	**NA**	**10.1**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.88**	**7.54**	**2.34**	**NA**
MW-5	06/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
MW-5	06/25/2002	<10,000	<100	<100	<100	<100	NA	60,000	NA	NA	NA	NA	NA	NA	8.30	NA	NA
MW-5	09/19/2002	<2,000	<20	<20	<20	<20	NA	7,200	NA	NA	NA	NA	NA	10.03	8.44	1.59	NA
MW-5	12/12/2002	<5,000	<50	<50	<50	<50	NA	33,000	NA	NA	NA	NA	NA	10.03	8.49	1.54	NA
MW-5	03/20/2003 g	12,000	<50	<50	<50	<50	15,000	NA	NA	NA	NA	NA	NA	10.03	8.23	1.80	NA
MW-5	06/23/2003	<1,000	<10	<10	<10	<20	NA	1,700	NA	NA	NA	NA	NA	10.03	16.70	-6.67	NA
MW-5	09/22/2003	<2,500	<25	<25	<25	<50	NA	4,400	NA	NA	NA	NA	NA	10.03	16.70	-6.67	NA
MW-5	12/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	70	NA	NA	NA	NA	NA	10.03	16.79	-6.76	NA
MW-5	03/18/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	43	NA	NA	NA	NA	NA	10.03	16.78	-6.75	NA
MW-5	05/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	30	NA	NA	NA	NA	NA	10.03	13.02	-2.99	NA
MW-5	09/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	83	<50	10.03	5.91	4.12	NA
MW-5	12/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	67	NA	NA	NA	NA	NA	10.03	5.72	4.31	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Oakland, CA

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MW-5	02/23/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	120	NA	NA	NA	NA	NA	10.03	4.41	5.62	NA
MW-5	06/27/2005	56	<0.50	<0.50	<0.50	<1.0	NA	46	NA	NA	NA	NA	NA	10.03	5.98	4.05	NA
MW-5	08/31/2005	<1,000	<10	<10	<10	<20	NA	69	<40	<40	<40	2,400	<1,000	9.03	6.60	2.43	NA
MW-5	**12/14/2005**	**302**	**<0.500**	**2.02**	**<0.500**	**<0.500**	**NA**	**34.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.03**	**5.00**	**4.03**	**NA**
C-1	09/19/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	1.44	NA	NA
C-1	03/29/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	2.59	NA	NA
C-1	06/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	3.72	NA	NA
C-1	09/19/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	3.08	NA	NA
C-1	12/12/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	0.64	NA	NA
C-1	03/20/2003 g	<50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	NA	NA	4.61	NA	NA
SD-1	09/19/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	03/29/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	06/25/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	09/19/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	12/12/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	03/20/2003	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	09/19/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	03/29/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	06/25/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	09/19/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	12/12/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	03/20/2003	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-A	06/22/1999	318	<0.50	<0.50	0.590	1.48	4,470	NA	NA	NA	NA	NA	NA	NA	4.71	NA	1.1
BW-A	06/25/2002	<500	<5.0	<5.0	<5.0	18	NA	3,100	NA	NA	NA	NA	NA	NA	5.14	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
BW-A	09/19/2002	<200	<2.0	<2.0	<2.0	<2.0	NA	<20	NA	NA	NA	NA	NA	NA	7.19	NA	NA
BW-A	12/12/2002	<500	<5.0	<5.0	<5.0	<5.0	NA	2,900	NA	NA	NA	NA	NA	NA	6.40	NA	NA
BW-A	03/20/2003 g	<2,500	<25	<25	<25	<25	<250	NA	NA	NA	NA	NA	NA	NA	5.36	NA	NA
BW-A	06/23/2003	<1,000	<10	<10	<10	<20	NA	<100	NA	NA	NA	NA	NA	NA	10.27	NA	NA
BW-A	09/22/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.63	NA	NA	NA
BW-B	06/22/1999	<250	<2.5	<2.5	<2.5	<2.5	8,600	NA	NA	NA	NA	NA	NA	NA	5.90	NA	1.2
BW-B	06/27/2001	<5,000	<50	<50	<50	<50	NA	40,000	NA	NA	NA	NA	NA	NA	5.83	NA	NA
BW-B	12/31/2001	<2,000	<20	<20	<20	<20	NA	9,200	NA	NA	NA	NA	NA	NA	4.19	NA	NA
BW-B	03/14/2002	<2,000	<20	<20	<20	<20	NA	9,400	NA	NA	NA	NA	NA	NA	5.24	NA	NA
BW-B	06/25/2002	<2,000	<20	<20	<20	<20	NA	6,600	NA	NA	NA	NA	NA	NA	6.19	NA	NA
BW-B	09/19/2002	<500	<5.0	<5.0	<5.0	<5.0	NA	<50	NA	NA	NA	NA	NA	NA	8.46	NA	NA
BW-B	12/12/2002	<500	<5.0	<5.0	<5.0	<5.0	NA	1,700	NA	NA	NA	NA	NA	NA	7.46	NA	NA
BW-B	03/20/2003 g	170	<1.0	<1.0	<1.0	<1.0	190	NA	NA	NA	NA	NA	NA	NA	6.23	NA	NA
BW-B	06/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	43	NA	NA	NA	NA	NA	NA	9.95	NA	NA
BW-B	09/22/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.32	NA	NA	NA
BW-C	06/22/1999	<50	<0.50	<0.50	<0.50	0.98	11,000	NA	NA	NA	NA	NA	NA	NA	5.91	NA	1.6
BW-C	06/25/2002	<5,000	<50	<50	<50	<50	NA	20,000	NA	NA	NA	NA	NA	NA	6.49	NA	NA
BW-C	09/19/2002	<1,000	<10	<10	<10	<10	NA	400	NA	NA	NA	NA	NA	NA	8.52	NA	NA
BW-C	12/12/2002	<2,000	<20	<20	<20	<20	NA	8,000	NA	NA	NA	NA	NA	NA	7.57	NA	NA
BW-C	03/20/2003 g	270	<1.0	<1.0	<1.0	<1.0	250	NA	NA	NA	NA	NA	NA	NA	6.48	NA	NA
BW-C	06/23/2003	<1,000	<10	<10	<10	<20	NA	170	NA	NA	NA	NA	NA	NA	11.48	NA	NA
BW-C	09/22/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.81	NA	NA	NA
BW-D	06/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2,190	NA	NA	NA	NA	NA	NA	NA	4.78	NA	1.4
BW-D	06/25/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-D	07/02/2002	<1,000	23	<10	<10	<10	NA	<100	NA	NA	NA	NA	NA	NA	6.36	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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BW-D	09/19/2002	<250	<2.5	<2.5	<2.5	<2.5	NA	<25	NA	NA	NA	NA	NA	NA	7.25	NA	NA
BW-D	12/12/2002	<5,000	<50	<50	<50	<50	NA	16,000	NA	NA	NA	NA	NA	NA	6.21	NA	NA
BW-D	03/20/2003 g	71	<0.50	<0.50	<0.50	<0.50	55	NA	NA	NA	NA	NA	NA	NA	5.23	NA	NA
BW-D	06/23/2003	<1,000	<10	<10	<10	<20	NA	<100	NA	NA	NA	NA	NA	NA	10.25	NA	NA
BW-D	09/22/2003	<100	<1.0	<1.0	<1.0	<2.0	NA	120	NA	NA	NA	NA	NA	NA	10.18	NA	NA
BW-D	12/03/2003	<1,300	110	<13	<13	29	NA	560	NA	NA	NA	NA	NA	NA	10.20	NA	NA
BW-D	03/18/2004	<50	0.67	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	NA	NA	3.42	NA	NA
BW-D	05/25/2004	<50	1.4	0.96	<0.50	<1.0	NA	1.7	NA	NA	NA	NA	NA	NA	8.83	NA	NA
BW-D	09/22/2004	<100	6.9	<1.0	2.1	4.2	NA	210	NA	NA	NA	NA	NA	NA	2.75	NA	NA
BW-D	12/22/2004	61	2.1	2.9	<0.50	3.6	NA	5.4	NA	NA	NA	NA	NA	NA	3.67	NA	NA
BW-D	02/23/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	1.2	NA	NA	NA	NA	NA	NA	2.88	NA	NA
BW-D	06/27/2005	53	<0.50	<0.50	<0.50	<1.0	NA	1.8	NA	NA	NA	NA	NA	NA	3.70	NA	NA
BW-D	08/31/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	NA	NA	8.61	3.82	4.79	NA
BW-D	**12/14/2005**	**<50.0**	**<0.500**	**2.78**	**<0.500**	**<0.500**	**NA**	**2.26**	**NA**	**NA**	**NA**	**NA**	**NA**	**8.61**	**3.59**	**5.02**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
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)	Ethanol (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 27, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 27, 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

GW = Groundwater

DO = Dissolved Oxygen

ppm = Parts per million

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

WELL CONCENTRATIONS
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540 Hegenberger Road
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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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Pre-purge

b = Post purge

c = Lab confirmed MTBE by mistake. MTBE value at MW-1 should have been confirmed instead.

d = DO reading not taken.

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

f = The second highest MTBE hit was mistakenly confirmed. MTBE for MW-1 should have been confirmed.

g = On March 20, 2003, all analyses run by EPA Method 8015/8020.

h = Depth to top of pump; pump prevented depth to water measurement.

i = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

j = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

Ethanol analyzed by EPA Method 8260B.

Site surveyed September 21, 2000 by Virgil Chavez Land Surveying of Vallejo, CA.

C-1 is a canal sample location.

SD-1 and SD-2 are storm drains.

Wells MW-1 through MW-5 surveyed January 24 and June 19, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells MW-1, MW-3, MW-5, and BW-D surveyed on September 22, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Unmonitored backfilled wells BW-A, BW-B, and BW-C surveyed on September 22, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

TestAmerica
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January 08, 2006

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

Work Order: NOL2331
Project Name: 540 Hegenberger Rd, Oakland, CA
Project Nbr: 98995752
Date Received: 12/17/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NOL2331-01	12/14/05 13:25
MW-2	NOL2331-02	12/14/05 12:35
MW-3	NOL2331-03	12/14/05 13:00
MW-4	NOL2331-04	12/14/05 10:15
MW-5	NOL2331-05	12/14/05 14:35
BW-D	NOL2331-06	12/14/05 11:25

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 accredidation.

California Certification Number: 01168CA

The Chain(s) of Custody, 2 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:

Gail A Lage

Gail A Lage
Senior Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Emeryville) / SHELL (13675)	Work Order:	NOL2331
	5900 Hollis Street, Suite A	Project Name:	540 Hegenberger Rd, Oakland, CA
	Emeryville, CA 94608	Project Number:	98995752
Attn	Anni Kreml	Received:	12/17/05 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NOL2331-01 (MW-1 - Ground Water) Sampled: 12/14/05 13:25								
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	<0.500		ug/L	0.500	1	12/26/05 10:18	SW846 8260B	5125840
Ethylbenzene	<0.500		ug/L	0.500	1	12/26/05 10:18	SW846 8260B	5125840
Methyl tert-Butyl Ether	**30.4**		ug/L	0.500	1	12/26/05 10:18	SW846 8260B	5125840
Toluene	**2.03**		ug/L	0.500	1	12/26/05 10:18	SW846 8260B	5125840
Xylenes, total	<0.500		ug/L	0.500	1	12/26/05 10:18	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*12/26/05 10:18*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (79-122%)	*104 %*					*12/26/05 10:18*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (78-121%)	*106 %*					*12/26/05 10:18*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (78-126%)	*107 %*					*12/26/05 10:18*	*SW846 8260B*	*5125840*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	<50.0		ug/L	50.0	1	12/26/05 10:18	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (0-200%)	*103 %*					*12/26/05 10:18*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (0-200%)	*104 %*					*12/26/05 10:18*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (0-200%)	*106 %*					*12/26/05 10:18*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (0-200%)	*107 %*					*12/26/05 10:18*	*SW846 8260B*	*5125840*
Sample ID: NOL2331-02 (MW-2 - Ground Water) Sampled: 12/14/05 12:35								
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	<0.500		ug/L	0.500	1	12/26/05 10:41	SW846 8260B	5125840
Ethylbenzene	<0.500		ug/L	0.500	1	12/26/05 10:41	SW846 8260B	5125840
Methyl tert-Butyl Ether	**5.33**		ug/L	0.500	1	12/26/05 10:41	SW846 8260B	5125840
Toluene	**2.16**		ug/L	0.500	1	12/26/05 10:41	SW846 8260B	5125840
Xylenes, total	<0.500		ug/L	0.500	1	12/26/05 10:41	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*12/26/05 10:41*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (79-122%)	*105 %*					*12/26/05 10:41*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (78-121%)	*105 %*					*12/26/05 10:41*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (78-126%)	*107 %*					*12/26/05 10:41*	*SW846 8260B*	*5125840*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	<50.0		ug/L	50.0	1	12/26/05 10:41	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (0-200%)	*104 %*					*12/26/05 10:41*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (0-200%)	*105 %*					*12/26/05 10:41*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (0-200%)	*105 %*					*12/26/05 10:41*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (0-200%)	*107 %*					*12/26/05 10:41*	*SW846 8260B*	*5125840*
Sample ID: NOL2331-03 (MW-3 - Ground Water) Sampled: 12/14/05 13:00								
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**6.16**		ug/L	0.500	1	12/26/05 11:03	SW846 8260B	5125840
Ethylbenzene	**1.88**		ug/L	0.500	1	12/26/05 11:03	SW846 8260B	5125840
Methyl tert-Butyl Ether	**303**	E3	ug/L	0.500	1	12/26/05 11:03	SW846 8260B	5125840
Toluene	**2.37**		ug/L	0.500	1	12/26/05 11:03	SW846 8260B	5125840
Xylenes, total	<0.500		ug/L	0.500	1	12/26/05 11:03	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*12/26/05 11:03*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (79-122%)	*101 %*					*12/26/05 11:03*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (78-121%)	*106 %*					*12/26/05 11:03*	*SW846 8260B*	*5125840*

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	5900 Hollis Street, Suite A	Project Name:	540 Hegenberger Rd, Oakland, CA
	Emeryville, CA 94608	Project Number:	98995752
Attn	Anni Kreml	Received:	12/17/05 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NOL2331-03 (MW-3 - Ground Water) - cont. Sampled: 12/14/05 13:00								
Selected Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 4-Bromofluorobenzene (78-126%)	*106 %*					*12/26/05 11:03*	*SW846 8260B*	*5125840*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	**647**		ug/L	50.0	1	12/26/05 11:03	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (0-200%)	*101 %*					*12/26/05 11:03*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (0-200%)	*101 %*					*12/26/05 11:03*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (0-200%)	*106 %*					*12/26/05 11:03*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (0-200%)	*106 %*					*12/26/05 11:03*	*SW846 8260B*	*5125840*
Sample ID: NOL2331-04 (MW-4 - Ground Water) Sampled: 12/14/05 10:15								
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	<0.500		ug/L	0.500	1	12/26/05 11:25	SW846 8260B	5125840
Ethylbenzene	<0.500		ug/L	0.500	1	12/26/05 11:25	SW846 8260B	5125840
Methyl tert-Butyl Ether	**10.1**		ug/L	0.500	1	12/26/05 11:25	SW846 8260B	5125840
Toluene	**2.04**		ug/L	0.500	1	12/26/05 11:25	SW846 8260B	5125840
Xylenes, total	<0.500		ug/L	0.500	1	12/26/05 11:25	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (70-130%)	*105 %*					*12/26/05 11:25*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (79-122%)	*107 %*					*12/26/05 11:25*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (78-121%)	*107 %*					*12/26/05 11:25*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (78-126%)	*109 %*					*12/26/05 11:25*	*SW846 8260B*	*5125840*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	<50.0		ug/L	50.0	1	12/26/05 11:25	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (0-200%)	*105 %*					*12/26/05 11:25*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (0-200%)	*107 %*					*12/26/05 11:25*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (0-200%)	*107 %*					*12/26/05 11:25*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (0-200%)	*109 %*					*12/26/05 11:25*	*SW846 8260B*	*5125840*
Sample ID: NOL2331-05 (MW-5 - Ground Water) Sampled: 12/14/05 14:35								
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	<0.500		ug/L	0.500	1	12/26/05 11:47	SW846 8260B	5125840
Ethylbenzene	<0.500		ug/L	0.500	1	12/26/05 11:47	SW846 8260B	5125840
Methyl tert-Butyl Ether	**34.0**		ug/L	0.500	1	12/26/05 11:47	SW846 8260B	5125840
Toluene	**2.02**		ug/L	0.500	1	12/26/05 11:47	SW846 8260B	5125840
Xylenes, total	<0.500		ug/L	0.500	1	12/26/05 11:47	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*12/26/05 11:47*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (79-122%)	*108 %*					*12/26/05 11:47*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (78-121%)	*104 %*					*12/26/05 11:47*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (78-126%)	*103 %*					*12/26/05 11:47*	*SW846 8260B*	*5125840*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	**302**		ug/L	50.0	1	12/26/05 11:47	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (0-200%)	*104 %*					*12/26/05 11:47*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (0-200%)	*108 %*					*12/26/05 11:47*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (0-200%)	*104 %*					*12/26/05 11:47*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (0-200%)	*103 %*					*12/26/05 11:47*	*SW846 8260B*	*5125840*

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	Emeryville, CA 94608	Project Number:	98995752
Attn	Anni Kreml	Received:	12/17/05 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NOL2331-06 (BW-D - Ground Water) Sampled: 12/14/05 11:25								
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	<0.500		ug/L	0.500	1	12/26/05 12:27	SW846 8260B	5125840
Ethylbenzene	<0.500		ug/L	0.500	1	12/26/05 12:27	SW846 8260B	5125840
Methyl tert-Butyl Ether	**2.26**		ug/L	0.500	1	12/26/05 12:27	SW846 8260B	5125840
Toluene	**2.78**		ug/L	0.500	1	12/26/05 12:27	SW846 8260B	5125840
Xylenes, total	<0.500		ug/L	0.500	1	12/26/05 12:27	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (70-130%)	*104 %*					*12/26/05 12:27*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (79-122%)	*107 %*					*12/26/05 12:27*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (78-121%)	*106 %*					*12/26/05 12:27*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (78-126%)	*105 %*					*12/26/05 12:27*	*SW846 8260B*	*5125840*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	<50.0		ug/L	50.0	1	12/26/05 12:27	SW846 8260B	5125840
Surr: 1,2-Dichloroethane-d4 (0-200%)	*104 %*					*12/26/05 12:27*	*SW846 8260B*	*5125840*
Surr: Dibromofluoromethane (0-200%)	*107 %*					*12/26/05 12:27*	*SW846 8260B*	*5125840*
Surr: Toluene-d8 (0-200%)	*106 %*					*12/26/05 12:27*	*SW846 8260B*	*5125840*
Surr: 4-Bromofluorobenzene (0-200%)	*105 %*					*12/26/05 12:27*	*SW846 8260B*	*5125840*

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	Emeryville, CA 94608	Project Number:	98995752
Attn	Anni Kreml	Received:	12/17/05 08:30

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						
5125840-BLK1						
Benzene	<0.200		ug/L	5125840	5125840-BLK1	12/25/05 19:29
Ethylbenzene	<0.200		ug/L	5125840	5125840-BLK1	12/25/05 19:29
Methyl tert-Butyl Ether	<0.200		ug/L	5125840	5125840-BLK1	12/25/05 19:29
Toluene	<0.200		ug/L	5125840	5125840-BLK1	12/25/05 19:29
Xylenes, total	<0.350		ug/L	5125840	5125840-BLK1	12/25/05 19:29
Surrogate: 1,2-Dichloroethane-d4	106%			5125840	5125840-BLK1	12/25/05 19:29
Surrogate: Dibromofluoromethane	108%			5125840	5125840-BLK1	12/25/05 19:29
Surrogate: Toluene-d8	106%			5125840	5125840-BLK1	12/25/05 19:29
Surrogate: 4-Bromofluorobenzene	103%			5125840	5125840-BLK1	12/25/05 19:29
5125840-BLK2						
Benzene	<0.200		ug/L	5125840	5125840-BLK2	12/26/05 06:14
Ethylbenzene	<0.200		ug/L	5125840	5125840-BLK2	12/26/05 06:14
Methyl tert-Butyl Ether	<0.200		ug/L	5125840	5125840-BLK2	12/26/05 06:14
Toluene	3.96	B	ug/L	5125840	5125840-BLK2	12/26/05 06:14
Xylenes, total	<0.350		ug/L	5125840	5125840-BLK2	12/26/05 06:14
Surrogate: 1,2-Dichloroethane-d4	104%			5125840	5125840-BLK2	12/26/05 06:14
Surrogate: Dibromofluoromethane	102%			5125840	5125840-BLK2	12/26/05 06:14
Surrogate: Toluene-d8	108%			5125840	5125840-BLK2	12/26/05 06:14
Surrogate: 4-Bromofluorobenzene	106%			5125840	5125840-BLK2	12/26/05 06:14
Purgeable Petroleum Hydrocarbons						
5125840-BLK1						
Gasoline Range Organics	<50.0		ug/L	5125840	5125840-BLK1	12/25/05 19:29
Surrogate: 1,2-Dichloroethane-d4	106%			5125840	5125840-BLK1	12/25/05 19:29
Surrogate: Dibromofluoromethane	108%			5125840	5125840-BLK1	12/25/05 19:29
Surrogate: Toluene-d8	106%			5125840	5125840-BLK1	12/25/05 19:29
Surrogate: 4-Bromofluorobenzene	103%			5125840	5125840-BLK1	12/25/05 19:29
5125840-BLK2						
Gasoline Range Organics	<50.0		ug/L	5125840	5125840-BLK2	12/26/05 06:14
Surrogate: 1,2-Dichloroethane-d4	104%			5125840	5125840-BLK2	12/26/05 06:14
Surrogate: Dibromofluoromethane	102%			5125840	5125840-BLK2	12/26/05 06:14
Surrogate: Toluene-d8	108%			5125840	5125840-BLK2	12/26/05 06:14
Surrogate: 4-Bromofluorobenzene	106%			5125840	5125840-BLK2	12/26/05 06:14

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Attn	Anni Kreml	Received:	12/17/05 08:30

PROJECT QUALITY CONTROL DATA

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
5125840-BS1								
Benzene	50.0	53.6		ug/L	107%	79 - 123	5125840	12/25/05 18:22
Ethylbenzene	50.0	53.3		ug/L	107%	79 - 125	5125840	12/25/05 18:22
Methyl tert-Butyl Ether	50.0	52.6		ug/L	105%	66 - 142	5125840	12/25/05 18:22
Toluene	50.0	56.4		ug/L	113%	78 - 122	5125840	12/25/05 18:22
Xylenes, total	150	164		ug/L	109%	79 - 130	5125840	12/25/05 18:22
Surrogate: 1,2-Dichloroethane-d4	50.0	53.2			106%	70 - 130	5125840	12/25/05 18:22
Surrogate: Dibromofluoromethane	50.0	51.1			102%	79 - 122	5125840	12/25/05 18:22
Surrogate: Toluene-d8	50.0	54.6			109%	78 - 121	5125840	12/25/05 18:22
Surrogate: 4-Bromofluorobenzene	50.0	55.4			111%	78 - 126	5125840	12/25/05 18:22
5125840-BS2								
Benzene	50.0	47.5		ug/L	95%	79 - 123	5125840	12/26/05 05:07
Ethylbenzene	50.0	47.0		ug/L	94%	79 - 125	5125840	12/26/05 05:07
Methyl tert-Butyl Ether	50.0	48.2		ug/L	96%	66 - 142	5125840	12/26/05 05:07
Toluene	50.0	52.4		ug/L	105%	78 - 122	5125840	12/26/05 05:07
Xylenes, total	150	142		ug/L	95%	79 - 130	5125840	12/26/05 05:07
Surrogate: 1,2-Dichloroethane-d4	50.0	53.6			107%	70 - 130	5125840	12/26/05 05:07
Surrogate: Dibromofluoromethane	50.0	52.3			105%	79 - 122	5125840	12/26/05 05:07
Surrogate: Toluene-d8	50.0	53.6			107%	78 - 121	5125840	12/26/05 05:07
Surrogate: 4-Bromofluorobenzene	50.0	52.8			106%	78 - 126	5125840	12/26/05 05:07
Purgeable Petroleum Hydrocarbons								
5125840-BS1								
Gasoline Range Organics	3050	2990		ug/L	98%	67 - 130	5125840	12/25/05 18:22
Surrogate: 1,2-Dichloroethane-d4	50.0	53.2			106%	70 - 130	5125840	12/25/05 18:22
Surrogate: Dibromofluoromethane	50.0	51.1			102%	70 - 130	5125840	12/25/05 18:22
Surrogate: Toluene-d8	50.0	54.6			109%	70 - 130	5125840	12/25/05 18:22
Surrogate: 4-Bromofluorobenzene	50.0	55.4			111%	70 - 130	5125840	12/25/05 18:22
5125840-BS2								
Gasoline Range Organics	3050	2630		ug/L	86%	67 - 130	5125840	12/26/05 05:07
Surrogate: 1,2-Dichloroethane-d4	50.0	53.6			107%	70 - 130	5125840	12/26/05 05:07
Surrogate: Dibromofluoromethane	50.0	52.3			105%	70 - 130	5125840	12/26/05 05:07
Surrogate: Toluene-d8	50.0	53.6			107%	70 - 130	5125840	12/26/05 05:07
Surrogate: 4-Bromofluorobenzene	50.0	52.8			106%	70 - 130	5125840	12/26/05 05:07

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Attn	Anni Kreml	Received:	12/17/05 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B										
5125840-MS1										
Benzene	ND	42.6		ug/L	50.0	85%	71 - 137	5125840	NOL2321-03	12/26/05 03:16
Ethylbenzene	1.41	40.7		ug/L	50.0	79%	72 - 139	5125840	NOL2321-03	12/26/05 03:16
Methyl tert-Butyl Ether	141	174		ug/L	50.0	66%	55 - 152	5125840	NOL2321-03	12/26/05 03:16
Toluene	11.6	50.9		ug/L	50.0	79%	73 - 133	5125840	NOL2321-03	12/26/05 03:16
Xylenes, total	3.86	124		ug/L	150	80%	70 - 143	5125840	NOL2321-03	12/26/05 03:16
Surrogate: 1,2-Dichloroethane-d4		52.3		ug/L	50.0	105%	70 - 130	5125840	NOL2321-03	12/26/05 03:16
Surrogate: Dibromofluoromethane		53.2		ug/L	50.0	106%	79 - 122	5125840	NOL2321-03	12/26/05 03:16
Surrogate: Toluene-d8		54.0		ug/L	50.0	108%	78 - 121	5125840	NOL2321-03	12/26/05 03:16
Surrogate: 4-Bromofluorobenzene		52.4		ug/L	50.0	105%	78 - 126	5125840	NOL2321-03	12/26/05 03:16
5125840-MS2										
Benzene	ND	43.8		ug/L	50.0	88%	71 - 137	5125840	NOL2331-06	12/26/05 13:58
Ethylbenzene	ND	41.1		ug/L	50.0	82%	72 - 139	5125840	NOL2331-06	12/26/05 13:58
Methyl tert-Butyl Ether	2.26	40.5		ug/L	50.0	76%	55 - 152	5125840	NOL2331-06	12/26/05 13:58
Toluene	2.78	43.2		ug/L	50.0	81%	73 - 133	5125840	NOL2331-06	12/26/05 13:58
Xylenes, total	ND	122		ug/L	150	81%	70 - 143	5125840	NOL2331-06	12/26/05 13:58
Surrogate: 1,2-Dichloroethane-d4		51.8		ug/L	50.0	104%	70 - 130	5125840	NOL2331-06	12/26/05 13:58
Surrogate: Dibromofluoromethane		53.2		ug/L	50.0	106%	79 - 122	5125840	NOL2331-06	12/26/05 13:58
Surrogate: Toluene-d8		53.5		ug/L	50.0	107%	78 - 121	5125840	NOL2331-06	12/26/05 13:58
Surrogate: 4-Bromofluorobenzene		53.8		ug/L	50.0	108%	78 - 126	5125840	NOL2331-06	12/26/05 13:58
Purgeable Petroleum Hydrocarbons										
5125840-MS1										
Gasoline Range Organics	316	2010	MHA	ug/L	3050	56%	60 - 140	5125840	NOL2321-03	12/26/05 03:16
Surrogate: 1,2-Dichloroethane-d4		52.3		ug/L	50.0	105%	0 - 200	5125840	NOL2321-03	12/26/05 03:16
Surrogate: Dibromofluoromethane		53.2		ug/L	50.0	106%	0 - 200	5125840	NOL2321-03	12/26/05 03:16
Surrogate: Toluene-d8		54.0		ug/L	50.0	108%	0 - 200	5125840	NOL2321-03	12/26/05 03:16
Surrogate: 4-Bromofluorobenzene		52.4		ug/L	50.0	105%	0 - 200	5125840	NOL2321-03	12/26/05 03:16
5125840-MS2										
Gasoline Range Organics	ND	1760	MHA	ug/L	3050	58%	60 - 140	5125840	NOL2331-06	12/26/05 13:58
Surrogate: 1,2-Dichloroethane-d4		51.8		ug/L	50.0	104%	0 - 200	5125840	NOL2331-06	12/26/05 13:58
Surrogate: Dibromofluoromethane		53.2		ug/L	50.0	106%	0 - 200	5125840	NOL2331-06	12/26/05 13:58
Surrogate: Toluene-d8		53.5		ug/L	50.0	107%	0 - 200	5125840	NOL2331-06	12/26/05 13:58
Surrogate: 4-Bromofluorobenzene		53.8		ug/L	50.0	108%	0 - 200	5125840	NOL2331-06	12/26/05 13:58

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Emeryville) / SHELL (13675)	Work Order:	NOL2331
	5900 Hollis Street, Suite A	Project Name:	540 Hegenberger Rd, Oakland, CA
	Emeryville, CA 94608	Project Number:	98995752
Attn	Anni Kreml	Received:	12/17/05 08:30

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
Selected Volatile Organic Compounds by EPA Method 8260B												
5125840-MSD1												
Benzene	ND	33.6	MHA	ug/L	50.0	67%	71 - 137	24	23	5125840	NOL2321-03	12/26/05 03:38
Ethylbenzene	1.41	30.9	MHA	ug/L	50.0	59%	72 - 139	27	23	5125840	NOL2321-03	12/26/05 03:38
Methyl tert-Butyl Ether	141	159	MHA	ug/L	50.0	36%	55 - 152	9	27	5125840	NOL2321-03	12/26/05 03:38
Toluene	11.6	37.9	MHA	ug/L	50.0	53%	73 - 133	29	25	5125840	NOL2321-03	12/26/05 03:38
Xylenes, total	3.86	91.6	MHA	ug/L	150	58%	70 - 143	30	27	5125840	NOL2321-03	12/26/05 03:38
Surrogate: 1,2-Dichloroethane-d4		53.6		ug/L	50.0	107%	70 - 130			5125840	NOL2321-03	12/26/05 03:38
Surrogate: Dibromofluoromethane		53.0		ug/L	50.0	106%	79 - 122			5125840	NOL2321-03	12/26/05 03:38
Surrogate: Toluene-d8		53.4		ug/L	50.0	107%	78 - 121			5125840	NOL2321-03	12/26/05 03:38
Surrogate: 4-Bromofluorobenzene		53.4		ug/L	50.0	107%	78 - 126			5125840	NOL2321-03	12/26/05 03:38
5125840-MSD2												
Benzene	ND	63.0	R2	ug/L	50.0	126%	71 - 137	36	23	5125840	NOL2331-06	12/26/05 14:20
Ethylbenzene	ND	55.5	R2	ug/L	50.0	111%	72 - 139	30	23	5125840	NOL2331-06	12/26/05 14:20
Methyl tert-Butyl Ether	2.26	63.4	R2	ug/L	50.0	122%	55 - 152	44	27	5125840	NOL2331-06	12/26/05 14:20
Toluene	2.78	58.3	R2	ug/L	50.0	111%	73 - 133	30	25	5125840	NOL2331-06	12/26/05 14:20
Xylenes, total	ND	169	R2	ug/L	150	113%	70 - 143	32	27	5125840	NOL2331-06	12/26/05 14:20
Surrogate: 1,2-Dichloroethane-d4		54.1		ug/L	50.0	108%	70 - 130			5125840	NOL2331-06	12/26/05 14:20
Surrogate: Dibromofluoromethane		54.1		ug/L	50.0	108%	79 - 122			5125840	NOL2331-06	12/26/05 14:20
Surrogate: Toluene-d8		52.9		ug/L	50.0	106%	78 - 121			5125840	NOL2331-06	12/26/05 14:20
Surrogate: 4-Bromofluorobenzene		51.2		ug/L	50.0	102%	78 - 126			5125840	NOL2331-06	12/26/05 14:20
Purgeable Petroleum Hydrocarbons												
5125840-MSD1												
Gasoline Range Organics	316	1530		ug/L	3050	40%	60 - 140	27	40	5125840	NOL2321-03	12/26/05 03:38
Surrogate: 1,2-Dichloroethane-d4		53.6		ug/L	50.0	107%	0 - 200			5125840	NOL2321-03	12/26/05 03:38
Surrogate: Dibromofluoromethane		53.0		ug/L	50.0	106%	0 - 200			5125840	NOL2321-03	12/26/05 03:38
Surrogate: Toluene-d8		53.4		ug/L	50.0	107%	0 - 200			5125840	NOL2321-03	12/26/05 03:38
Surrogate: 4-Bromofluorobenzene		53.4		ug/L	50.0	107%	0 - 200			5125840	NOL2321-03	12/26/05 03:38
5125840-MSD2												
Gasoline Range Organics	ND	2340		ug/L	3050	77%	60 - 140	28	40	5125840	NOL2331-06	12/26/05 14:20
Surrogate: 1,2-Dichloroethane-d4		54.1		ug/L	50.0	108%	0 - 200			5125840	NOL2331-06	12/26/05 14:20
Surrogate: Dibromofluoromethane		54.1		ug/L	50.0	108%	0 - 200			5125840	NOL2331-06	12/26/05 14:20
Surrogate: Toluene-d8		52.9		ug/L	50.0	106%	0 - 200			5125840	NOL2331-06	12/26/05 14:20
Surrogate: 4-Bromofluorobenzene		51.2		ug/L	50.0	102%	0 - 200			5125840	NOL2331-06	12/26/05 14:20

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Emeryville) / SHELL (13675)	Work Order:	NOL2331
	5900 Hollis Street, Suite A	Project Name:	540 Hegenberger Rd, Oakland, CA
	Emeryville, CA 94608	Project Number:	98995752
Attn	Anni Kreml	Received:	12/17/05 08:30

CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
NA	Water			
SW846 8260B	Water	N/A	X	X

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Emeryville) / SHELL (13675)	Work Order:	NOL2331
	5900 Hollis Street, Suite A	Project Name:	540 Hegenberger Rd, Oakland, CA
	Emeryville, CA 94608	Project Number:	98995752
Attn	Anni Kreml	Received:	12/17/05 08:30

NELAC CERTIFICATION SUMMARY

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

Method	Matrix	Analyte
SW846 8260B	Water	Gasoline Range Organics

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Emeryville) / SHELL (13675)	Work Order:	NOL2331
	5900 Hollis Street, Suite A	Project Name:	540 Hegenberger Rd, Oakland, CA
	Emeryville, CA 94608	Project Number:	98995752
Attn	Anni Kreml	Received:	12/17/05 08:30

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not peformed due to holding time requirements.
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION
Nashville Division

COOLER RECEIPT FORM

BC#

NOL2331

Client Name :

Cooler Received/Opened On: 12-17-05 Accessioned By: Lori Farthing

Lori Farthing
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 0.0° Degrees Celsius
2. Were custody seals on outside of cooler?..... (YES)...NO...NA
   a. If yes, how many and where: 1 front
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... (YES)...NO...NA
5. Were custody papers inside cooler?..... (YES)...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA
7. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA
8. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Foam Insert Ziplock baggies Paper Other None
9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry Ice Other None
10. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA
12. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA
13. Were correct containers used for the analysis requested?..... (YES)...NO...NA
14. a. Were VOA vials received?..... (YES)...NO...NA
    b. Was there any observable head space present in any VOA vial?..... (YES)...NO...NA
15. Was sufficient amount of sample sent in each container?..... (NO)...YES...NA
16. Were correct preservatives used?..... (YES)...NO...NA
    If not, record standard ID of preservative used here..... YES...NO...NA
17. Was residual chlorine present?..... NO...YES...(NA)
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

6185

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

BIS = Broken in shipment
Cooler Receipt Form

LAB: Test America STL Other: TA

Lab Identification (if necessary):

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Nashville, Tennesee
- ☐ STL
- ☐ Other (location)________

SHELL Chain Of Custody Record

Shell Project Manager to be Invoiced:

- ☑ ENVIRONMENTAL SERVICES
- ☐ TECHNICAL SERVICES
- ☐ CRMT HOUSTON

Denis Brown

☐ NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY): 9 8 9 9 5 7 5 2

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

DATE: 12/14/05

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

SITE ADDRESS: Street and City: 540 Hegenberger Rd., Oakland

State: CA

GLOBAL ID NO.: T0600102123

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, Cambria, Emeryville Office

PHONE NO.: (510)420-3335

E-MAIL: shell.em.edf@cambria-env.com

CONSULTANT PROJECT NO.: 051214-MT1

BTS #

TELEPHONE: 408-573-0555

FAX: 408-573-7771

E-MAIL: mninokata@blainetech.com

SAMPLER NAME(S) (Print): [signature]

LAB USE ONLY

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:________

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

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

NOL2331

12/28/05 17:00

RECEIPT VERIFICATION REQUESTED ☑

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	Sampling Date	Sampling Time	Matrix	No. of Cont.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015m)	BTEX (8260B)	5 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)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	12/14/05	1325	W	3	X		X		X							NOL2331-01		
	MW-2		1235		3	X		X		X							-02		
	MW-3		1300		3	X		X		X							-03		
	MW-4		1015		3	X		X		X							-04		
	MW-5		1435		3	X		X		X							-05		
	BW-D	↓	1125	↓	3	X		X		X							-06		

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	SAMPLE CUSTODIAN	12/14/05	1406
[signature] SAMPLE CUSTODIAN	[signature]	12/15/05	1500
[signature]	[signature]	12/16/05	[illegible]

DISTRIBUTION: White with final report, Green to File, ...

IQ Graphic (714) 898-9702

WELL GAUGING DATA

Project # 051214-MT-1 Date 12/14/5 Client Shell 9899572

Site 540 Hegenberger Rd 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	
MW-1	2					6.46	22.45		
MW-2	2					7.13	19.92		
MW-3	2					5.65	18.43		
MW-4	4					7.54	18.51		
MW-5	4					5.00	18.55		ext. pump
BW-D	12					3.59	12.44		
						~~3.59~~	~~12.40~~		

SHELL WELL MONITORING DATA SHEET

BTS #: 051214-MT-1	Site: 98995752
Sampler: MikeT/Shawn	Date: 12/14/5
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 22.45	Depth to Water (DTW): 6.46
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]: 9.66	

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

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

2.5 (Gals.) X	3	=	7.5 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
1315	65.1	7.9	3633	>1000	2.5	
1318	65.9	7.4	5030	>1000	5	
1320	65.7	7.4	5100	>1000	7.5	

Did well dewater? Yes (No) Gallons actually evacuated: 7.5

Sampling Date: 12/14/05 Sampling Time: 1325 Depth to Water: 9.60

Sample I.D.: MW-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 #: 051214-MT-1	Site: 98995752
Sampler: MikeT / Shawn	Date: 12/14/5
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 19.92	Depth to Water (DTW): 7.13
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]: 9.69	

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

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

2.0 (Gals.) X	3 =	6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
11.46	64.1	7.4	667	(866) 394	2.0	clear
11.50	66.1	7.1	706	>1000	4.0	cloudy
11.54	66.7	7.1	736	>1000	6.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 12/14/5 Sampling Time: 12.35 Depth to Water: 8.47

Sample I.D.: MW-2 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 #: 05/214-MT-1	Site: 98995752
Sampler: MikeT/Shawn	Date: 12/14/5
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 18.43	Depth to Water (DTW): 5.65
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]: 8.20	

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

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

2.0 (Gals.) X	3	= 6.0 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
1249	66.0	7.2	8995	1000	2	
1252	67.1	7.3	9685	>1000	4	
1255	67.5	7.3	9689	>1000	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Date: 12/14/05 Sampling Time: 1300 Depth to Water: 8.15

Sample I.D.: MW-3 Laboratory: STL Other FA

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

10.97

SHELL WELL MONITORING DATA SHEET

BTS #: 05214-MT-1	Site: 98995752
Sampler: MikeT/Shaun	Date: 12/14/5
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.51	Depth to Water (DTW): 7.54
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]: 9.73	

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

2gpm

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

7.1 (Gals.) X 3 = 21.3 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
1003	68.65	6.8	4827	13	7.1	clear
1006	67.8	7.0	4879	9	14.2	"
1010	67.9	7.1	4891	4	21.3	"

Did well dewater? Yes (No) Gallons actually evacuated: 21.3

Sampling Date: 12/14/5 Sampling Time: 1015 Depth to Water: 8.50

Sample I.D.: MW-4 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

1355

SHELL WELL MONITORING DATA SHEET

BTS #: 05214-MT-1	Site: 99995752
Sampler: MT TSL	Date: 12/14/05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.55	Depth to Water (DTW): 5.00
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]: 7.71	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

8.8 (Gals.) X 3 = 26.4 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
13.58	67.6	8.14	915	298	8.8	
14.00	well	dewatered @	10gal		—	DTW = 15.22
1435	67.7	7.42	2191	>1000		DTW = 13.15
* Pulled & Reset pump.						

Did well dewater? (Yes) No Gallons actually evacuated: 10

Sampling Date: 12/14/05 Sampling Time: 1435 Depth to Water: 13.15 (Site depar

Sample I.D.: MW-5 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 #: 051214-MT-1	Site: 98995752
Sampler: MikeT / Shawn	Date: 12/14/5
Well I.D.: BW-D	Well Diameter: 2 3 4 6 8 12
Total Well Depth (TD): 12.44	Depth to Water (DTW): 3.59
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]: 5.36	

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:_____

52 (Gals.) X 3 = 156 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
10:49	65.2	6.9	970	3	52	clear
10:59	58.2	7.8	46	3	104	"
11:09	66.6	6.7	698	3	156	"
11:19	67.0	6.9	721	3	208	"

Did well dewater? Yes (No) Gallons actually evacuated: 208

Sampling Date: 12/14/5 Sampling Time: 11.25 Depth to Water: 3.63

Sample I.D.: BW-D 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