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June 30, 2005

Denis L. Brown

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

Shell Oil Products US

HSE - Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Re: First Quarter 2005 Monitoring Report
Shell-branded Service Station
610 Market Street
Oakland, California
SAP Code 135692
Incident No. 98995750

Alameda County
Environmental Health
JUL 06 2005

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *First 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,

A handwritten signature in black ink, appearing to read "Denis L. Brown".

Denis L. Brown
Sr. Environmental Engineer

C A M B R I A

June 30, 2005

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

Re: **First Quarter 2005 Monitoring Report**
Shell-branded Service Station
610 Market Street
Oakland, California
Incident #99895750
Cambria Project #247-0594-002
ACHCSA Case # RO-0493



Dear Mr. Wickham:

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. The site is located on Market Street between Sixth and Seventh Streets in Oakland, California (Figures 1 and 2).

REMEDIATION SUMMARY

Mobile Dual-Phase Vacuum Extraction (DVE) Treatment: From March to October 2000, Cambria coordinated mobile DVE from wells MW-2 and MW-3. Mobile DVE utilized a vacuum truck for extraction and off-hauling of groundwater. Carbon absorption vessels were used to abate extracted vapors. DVE was discontinued in October 2000 due to low groundwater extraction volumes.

DVE and Soil Vapor Extraction (SVE) Pilot Test: On March 22, 2001, Cambria performed a short-term (1-day) DVE test on well MW-3 and a short-term (1-day) SVE test on tank backfill well T-1. The tests were conducted using an internal combustion engine as the extraction and abatement device.

Cambria
Environmental
Technology, Inc.

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

SVE Pilot Test: Between October 8 and 12, 2001, Cambria conducted a long-term (5-day) SVE pilot test on tank backfill well T-1. The test was conducted using an internal combustion engine as the extraction and abatement device.

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Mr. Wickham
June 30, 2005

Mobile Groundwater Extraction (GWE): As recommended in the August 29, 2001 *Site Conceptual Model and Pilot Test Report*, Cambria began coordinating weekly GWE from well MW-3 using a vacuum truck in August 2001. Beginning in January 2002, well MW-2 was added to the weekly GWE schedule at the site. Mobile GWE was discontinued on January 8, 2003 in anticipation of starting the GWE system.

GWE System: As recommended in the August 19, 2002 *Interim Remedial Action Plan*, a GWE system was installed to address the elevated methyl tertiary butyl ether (MTBE) concentrations detected in groundwater beneath the site. The GWE system was started on February 18, 2003.

The following table summarizes the estimated total petroleum hydrocarbon as gasoline (TPHg), benzene, and MTBE mass removed by application of the remedial methods discussed:

Table A - Mass Removal Summary

		TPHg (pounds)		Benzene (pounds)		MTBE (pounds)	
Method	Period	Vapor-phase	Dissolved-phase	Vapor-phase	Dissolved-phase	Vapor-phase	Dissolved-phase
Mobile DVE	03/15/00 – 10/27/00	35.1	0.537	1.49	0.024	5.03	10.6
DVE/SVE Test	03/22/01	1.96	0.032	0.009	0	2.08	1.25
SVE Test	10/08/01 – 10/12/01	15.8	NA	1.33	NA	35.9	NA
Mobile GWE	03/22/01 – 01/28/03	NA	2.84	NA	0.063	NA	60.0
GWE System	02/18/03 – 4/26/05	NA	47.4	NA	0.380	NA	136.5
Subtotal (per phase)		52.9	50.8	2.83	0.467	43.0	208.4
Total Mass Removed		103.7 pounds		3.30 pounds		251.4 pounds	

FIRST QUARTER 2005 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells, calculated groundwater elevations, and compiled the analytical data. The GWE system was not operating when Blaine arrived to gauge and sample the site wells on February 28, 2005. Blaine returned to the site on March 23, 2005 to collect gauging data representative of the hydraulic control typically maintained at the site and to collect samples from GWE wells MW-2, MW-3, MW-6, MW-7 and MW-8. 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 report and supporting field documents, is included as Attachment A.

Remedial Activities: Cambria started operating the fixed GWE system on February 18, 2003. Wells MW-2, MW-3, MW-6, MW-7, and MW-8 are equipped with pumps to be used as extraction points. During the first quarter 2005, the system extracted water from wells MW-3, MW-6, and MW-8. Table 1 summarizes system analytical data. Groundwater level measurements and flow meter readings have been recorded at various times of operation to assess system production. Table 2 summarizes the field data and system operation, and calculates mass removal. Based on the field data, the GWE system has operated at an average flow rate of approximately 2.02 gallons per minute since startup.

As of April 26, 2005, a total of 2,075,169 gallons of groundwater had been extracted. A total of 47.4 pounds of TPHg, 0.380 pounds of benzene, and 136.5 pounds of MTBE has been recovered. Table 2 presents mass removal data.

ANTICIPATED SECOND QUARTER 2005 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample all monitoring wells in May 2005 and tabulate the data. In addition, Blaine will sample well MW-5 in June, July and August 2005. Cambria will prepare a monitoring report.

Remedial Activities: Per Cambria's standard operating procedures and East Bay Municipal Utilities District (EBMUD) treatment-system monitoring requirements, Cambria will perform routine operation and maintenance of the GWE system. Cambria will monitor concentration trends and GWE system effectiveness. In accordance with the EBMUD wastewater discharge permit, Cambria submitted a semi-annual self-monitoring report on April 13, 2005.

C A M B R I A

Mr. Wickham
June 30, 2005

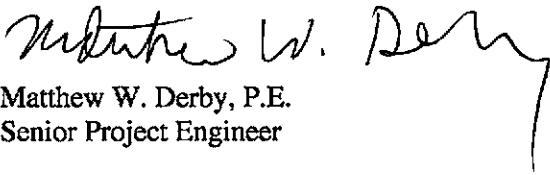
CLOSING

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.

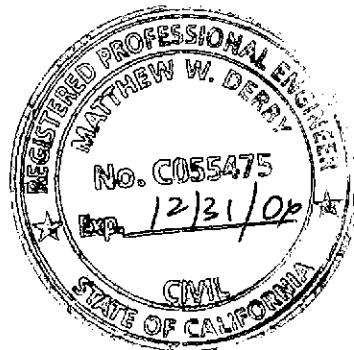
Sincerely,
Cambrria Environmental Technology, Inc



Cynthia Vasko
Project Engineer



Matthew W. Derby
Senior Project Engineer



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

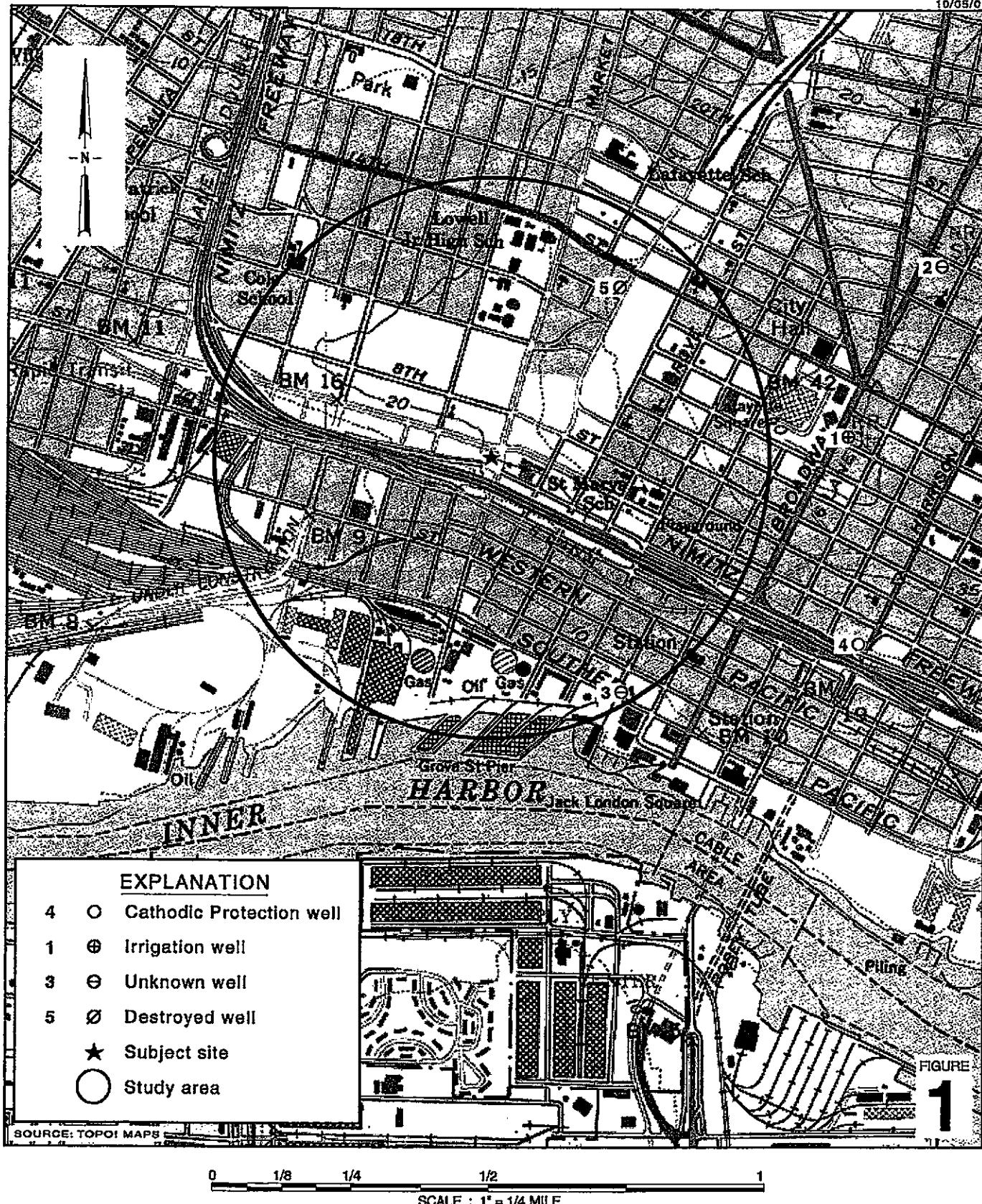
Tables: 1 - Groundwater Extraction – System Analytical Data
 2 - Groundwater Extraction – Operation and Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
 Virginia R. Rawson, Tr., 1860 Tice Creek Drive #1353, Walnut Creek, CA 94595
 Roger Schmidt, 1224 Contra Costa Dr., El Cerrito, CA 94530

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COURT OF COMMON PLEAS OF CALIFORNIA



Shell-branded Service Station
610 Market Street
Oakland, California
Incident #98995750



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Vicinity / Area Well Survey Map

1/2 Mile Radius

Groundwater Elevation Contour Map

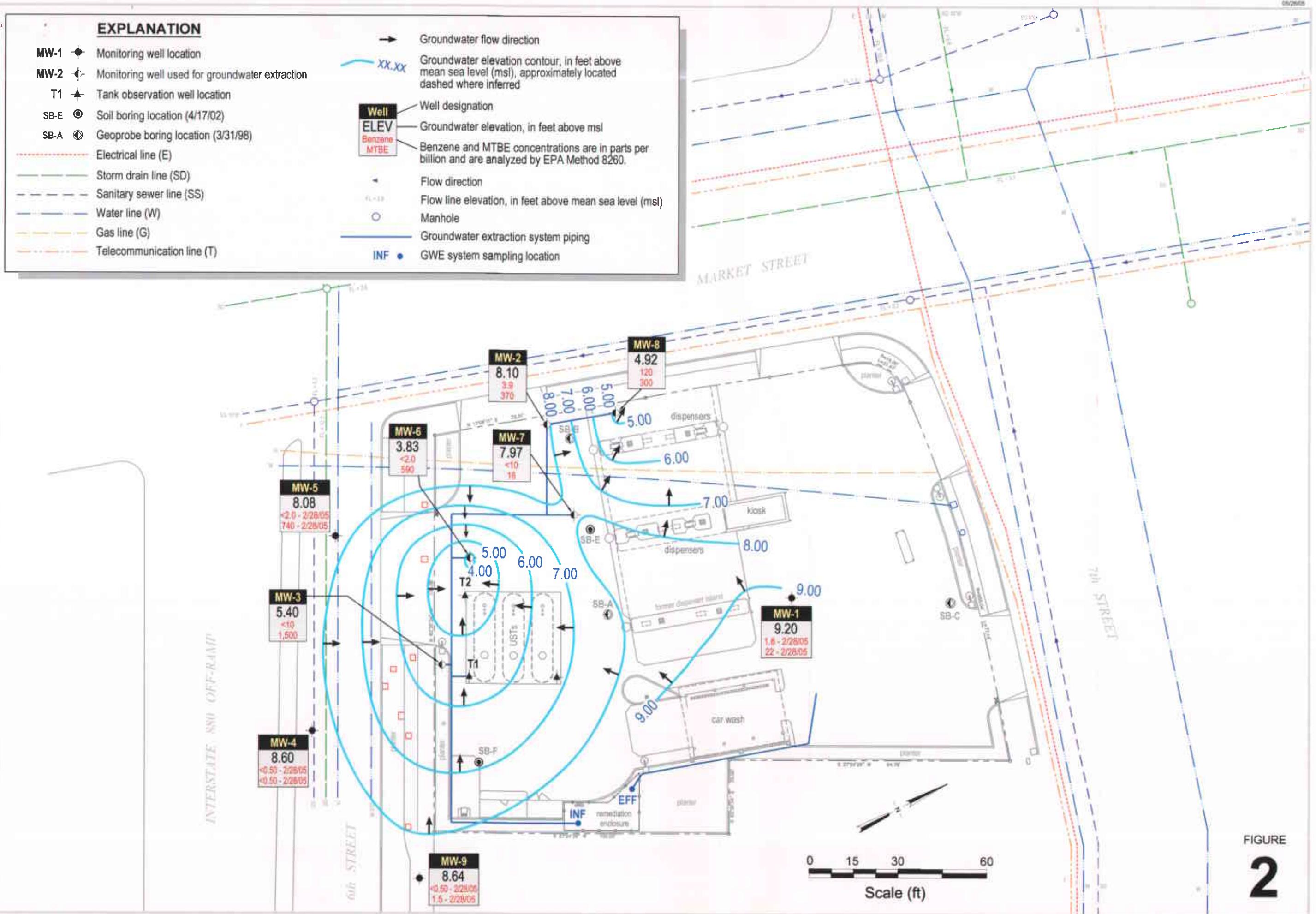
March 23, 2005

C A M B R I A

Shell-branded Service Station

610 Market Street
Oakland, California
Incident No. 98995750

FIGURE 2



CAMBRIA

Table 1: Groundwater Extraction - System Analytical Data - Shell-branded Service Station, Incident #98995750, 610 Market St, Oakland, California

Sample Date (mm/dd/yy)	Influent			Midfluent 1			Midfluent 2			Effluent		
	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)
02/18/2003	<20,000	270	93,000	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
02/25/2003	<20,000	<200	74,000	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
03/11/2003	<10,000	<100	47,000	<50	<0.50	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
03/25/2003	<10,000	<100	38,000	<250	<2.5	<2.5	<50	<0.50	<5.0	<50	<0.50	<5.0
04/07/2003	30,000	<250	33,000	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
04/22/2003	<25,000	<250	26,000	<50	<0.50	2.6	<50	<0.50	<0.50	<50	<0.50	<0.50
05/01/2003	<10,000	<100	25,000	<50	<0.50	<5.0	<50	<0.50	<5.0	<50	<0.50	<5.0
05/20/2003	<10,000	<100	17,000	<500	<5.0	610	640	<0.50	<0.5	<50	<0.50	<0.5
06/03/2003	<10,000	<100	15,000	<5,000	<50	4000	<50	<0.50	<0.5	<50	<0.50	<0.5
06/17/2003	<10,000	<100	17,000	<25,000	<250	16,000	<50	<0.50	<5.0	<50	<0.50	<5.0
07/28/2003	<5,000	<50	7,100	<250	<2.5	420	<50	<0.50	<0.50	<50	<0.50	<0.50
08/11/2003	<2,500	<25	4,900	<250	<2.5	280	<50	<0.50	<0.50	<50	<0.50	<0.50
08/28/2003	<2,500	<25	7,700	<100	<1.0	260	<50	<0.50	<0.50	<50	<0.50	<0.50
09/08/2003	<2,500	<25	6,600	<50	<0.50	140	<50	<0.50	<0.50	<50	<0.50	<0.50
09/22/2003	<5,000	<50	5,700	<250	<2.5	230	<50	<0.50	<0.50	<50	<0.50	<0.50
10/08/2003	<2,500	<25	3,100	<50	<0.50	140	<50	<0.50	<0.50	<50	<0.50	<0.50
10/21/2003	<5,000	<50	3,800	<250	<2.5	180	<50	<0.50	<0.50	<50	<0.50	<0.50
11/06/2003	<1,000	<10	3,500	<50	<0.50	150	<50	<0.50	<0.50	<50	<0.50	<0.50
12/05/2003	<2,000	<20	3,400	<50	<0.50	130	<50	<0.50	<0.50	<50	<0.50	<0.50
01/09/2004	<2,000	<20	2,700	<50	<0.50	210	<50	<0.50	<0.50	<50	<0.50	<0.50
02/09/2004	<250	7.8	250	<50	<0.50	180	<50	<0.50	<0.50	<50	<0.50	<0.50
03/09/2004	<250	8.6	700	<100	<1.0	270	<50	<0.50	<0.50	<50	<0.50	<0.50
04/13/2004	<1,000	<10	1,900	<250	<2.5	570	<50	<0.50	<0.50	<50	<0.50	<0.50
05/10/2004	<1,000	<10	1,600	<250	<2.5	660	<50	<0.50	<0.50	<50	<0.50	<0.50

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Table 1: Groundwater Extraction - System Analytical Data - Shell-branded Service Station, Incident #98995750, 610 Market St, Oakland, California

Sample Date (mm/dd/yy)	Influent			Midfluent 1			Midfluent 2			Effluent		
	TPHg Conc. (ppb)	Benzene Conc. (ppb)	MTBE Conc. (ppb)									
05/28/2004	3,400	170	1,200	<50	<0.5	<0.50	<50	<0.50	<0.50	<50	<0.50	<0.50
06/09/2004	<1,000	<10	1,100	<250	<2.5	920	<50	<0.50	<0.50	<50	<0.50	<0.50
07/07/2004	<1,000	<10	1,100	<500	<5.0	1,100	<50	<0.50	<0.50	<50	<0.50	<0.50
08/03/2004	<1,000	<10	850	<500	<5.0	680	<50	<0.50	<0.50	<50	<0.50	<0.50
09/16/2004	<250	<2.5	480	<500	<5.0	920	<50	<0.50	<0.50	<50	<0.50	<0.50
10/12/2004	<50	<0.50	320	<150	<1.5	820	<50	<0.50	<0.50	<50	<0.50	<0.50
11/08/2004	<200	<2.0	400	<250	<2.5	700	<50	<0.50	<0.50	<50	<0.50	<0.50
12/02/2004	<250	<2.5	530	<500	<5.0	860	<50	<0.50	<0.50	<50	<0.50	<0.50
01/10/2005	<250	<2.5	350	<500	<5.0	880	<50	<0.50	<0.50	<50	<0.50	<0.50
02/08/2005	<250	<2.5	460	<500	<5.0	830	<50	<0.50	<0.50	<50	<0.50	<0.50
03/07/2005	310	8.9	120	<500	<5.0	850	<50	<0.50	<0.50	<50	<0.50	<0.50
04/13/2005	<250	<2.5	350	<500	<5.0	550	<50	<0.50	1.2	<50	<0.50	<0.50

Abbreviations & Notes:

TPHg = Total purgeable hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

Conc. = Concentration

ppb = parts per billion, equivalent to µg/l

TPHg, benzene, and MTBE analyzed by EPA Method 8260B

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Table 2: Groundwater Extraction - Operation and Mass Removal Data, Shell-branded Service Station, Incident #98995750, 610 Market Street, Oakland, California

Site Visit (mm/dd/yy)	Hour Meter (hours)	Flow Meter Reading (gal)	Period			TPHg			Benzene			MTBE		
			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)
02/18/03	0.0	100	0	0.00	0	<20,000	0.00000	0.00000	270	0.00000	0.00000	93,000	0.00000	0.00000
02/18/03	3.5	1,024	924	4.40	924		0.07710	0.07710		0.00208	0.00208		0.71705	0.71705
02/25/03	140.2	30,312	29,288	3.57	30,212	<20,000	2.44390	2.52100	<200	0.02444	0.02652	74,000	18.08482	18.80187
03/11/03	475.8	84,666	54,354	2.70	84,566	<10,000	2.26775	4.78874	<100	0.02268	0.04920	47,000	21.31681	40.11868
03/13/03	524.0	92,030	7,364	2.55	91,930		0.30724	5.09598		0.00307	0.05227		2.88805	43.00673
03/25/03	527.0	92,840	810	4.50	92,740	<10,000	0.03379	5.12978	<100	0.00034	0.05261	38,000	0.25684	43.26357
04/07/03	838.6	142,754	49,914	2.67	142,654	30,000	12.49501	17.62478	<250	0.05206	0.10467	33,000	13.74451	57.00807
04/14/03	985.4	165,205	22,451	2.55	165,105		5.62017	23.24496		0.02342	0.12809		6.18219	63.19027
04/22/03	1,184.1	197,360	32,155	2.70	197,260	<25,000	3.35391	26.59887	<250	0.03354	0.16163	26,000	6.97613	70.16640
04/29/03	1,305.4	216,450	19,090	2.62	216,350		1.99117	28.59004		0.01991	0.18154		4.14164	74.30804
05/01/03	1,351.3	223,850	7,400	2.69	223,750	<10,000	0.30874	28.89878	<100	0.00309	0.18463	25,000	1.54371	75.85174
05/20/03	1,783.0	291,620	67,770	2.62	291,520	<10,000	2.82749	31.72626	<100	0.02827	0.21290	17,000	9.61345	85.46519
06/03/03	2,122.1	341,643	50,023	2.46	341,543	<10,000	2.08705	33.81331	<100	0.02087	0.23377	15,000	6.26115	91.72634
06/17/03	2,456.1	388,001	46,358	2.31	387,901	<10,000	1.93414	35.74745	<100	0.01934	0.25311	17,000	6.57607	98.30241
06/30/03	2,766.0	429,880	41,879	2.25	429,780		1.74727	37.49472		0.01747	0.27059		5.94071	104.24311
07/14/03	3,095.9	473,549	43,669	2.21	473,449		1.82195	39.31667		0.01822	0.28881		6.19462	110.43774
07/28/03	3,423.7	514,826	41,277	2.10	514,726	<5,000	0.86107	40.17774	<50	0.00861	0.29742	7,100	2.44545	112.88319
08/11/03	3,761.9	545,750	30,924	1.52	545,650	<2,500	0.32255	40.50029	<25	0.00323	0.30064	4,900	1.26440	114.14759
08/28/03	4,171.0	595,525	49,775	2.03	595,425	<2,500	0.51918	41.01947	<25	0.00519	0.30583	7,700	3.19812	117.34571
09/08/03	4,435.4	626,720	31,195	1.97	626,620	<2,500	0.32538	41.34485	<25	0.00325	0.30909	6,600	1.71799	119.06371
09/22/03	4,769.9	665,449	38,729	1.93	665,349	<5,000	0.80792	42.15277	<50	0.00808	0.31717	5,700	1.84206	120.90577
10/08/03	5,084.6	701,104	35,655	1.89	701,004	<2,500	0.37190	42.52466	<25	0.00372	0.32089	3,100	0.92231	121.82807
10/21/03	5,396.7	735,644	34,540	1.84	735,544	<5,000	0.72054	43.24520	<50	0.00721	0.32809	3,800	1.09521	122.92329
11/06/03	5,785.7	778,218	42,574	1.82	778,118	<1,000	0.17763	43.42283	<10	0.00178	0.32987	3,500	1.24338	124.16667
11/19/03	6,097.1	810,223	32,005	1.71	810,123		0.13353	43.55636		0.00134	0.33120		0.93471	125.10139
12/05/03	6,481.6	849,610	39,387	1.71	849,510	<2,000	0.32866	43.88502	<20	0.00329	0.33449	3,400	1.11744	126.21883
12/23/03	6,909.0	898,595	48,985	1.91	898,495		0.40875	44.29376		0.00409	0.33858		1.38974	127.60857
01/02/04	7,057.2	917,835	19,240	2.16	917,735		0.16055	44.45431		0.00161	0.34018		0.54585	128.15443
01/09/04	7,170.7	941,766	23,931	3.51	941,666	<2,000	0.19969	44.65400	<20	0.00200	0.34218	2,700	0.53916	128.69358
01/21/04	7,461.1	986,590	44,824	2.57	986,490	0.37403	45.02803		0.00374	0.34592		1.00987	129.70346	
02/09/04	7,492.3	991,309	4,719	2.52	991,209	<250	0.00492	45.03295	7.8	0.00031	0.34623	250	0.00984	129.71330
02/25/04	7,872.5	1,048,823	57,514	2.52	1,048,723		0.05999	45.09294		0.00374	0.34997		0.11998	129.83328
03/09/04	7,952.6	1,062,912	14,089	2.93	1,062,812	<250	0.01470	45.10763	8.6	0.00101	0.35098	700	0.08229	129.91558
03/23/04	8,285.6	1,117,340	54,428	2.72	1,117,240	0.05677	45.16440		0.00391	0.35489		0.31792	130.23349	
04/13/04	8,792.3	1,191,229	73,889	2.43	1,191,129	<1,000	0.30828	45.47268	<10	0.00308	0.35797	1,900	1.17146	131.40495
04/29/04	9,010.2	1,221,189	29,960	2.29	1,221,089		0.12500	45.59768		0.00125	0.35922		0.47499	131.87994
05/10/04	9,273.9	1,256,838	35,649	2.25	1,256,738	<1,000	0.14873	45.74641	<10	0.00149	0.36071	1,600	0.47595	132.35589
05/25/04	9,633.5	1,299,232	42,394	1.96	1,299,132	0.17688	45.92329		0.00177	0.36248		0.56600	132.92189	
05/28/04	9,633.5	1,299,232	0	0.00	1,299,132	3,400	0.00000	45.92329	170	0.00000	0.36248	1,200	0.00000	132.92189
06/09/04	9,784.0	1,317,792	18,560	2.06	1,317,692	<1,000	0.07744	46.00073	<10	0.00077	0.36325	1,100	0.17036	133.09225

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Table 2: Groundwater Extraction - Operation and Mass Removal Data, Shell-branded Service Station, Incident #98995750, 610 Market Street, Oakland, California

Site Visit (mm/dd/yy)	Hour Meter (hours)	Flow Meter Reading (gal)	Period			TPHg			Benzene			MTBE		
			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)
06/22/04	10,092.7	1,353,124	35,332	1.91	1,353,024		0.14741	46.14814		0.00147	0.36472		0.32431	133.41656
07/07/04	10,452.9	1,392,516	39,392	1.82	1,392,416	<1,000	0.16435	46.31249	<10	0.00164	0.36637	1,100	0.36157	133.77813
07/22/04	10,815.9	1,431,329	38,813	1.78	1,431,229		0.16193	46.47442		0.00162	0.36799		0.35626	134.13438
08/03/04	11,101.8	1,458,993	27,664	1.61	1,458,893	<1,000	0.11542	46.58984	<10	0.00115	0.36914	850	0.19621	134.33060
08/18/04	11,462.6	1,489,829	30,836	1.42	1,489,729		0.12865	46.71849		0.00129	0.37043		0.21871	134.54931
08/31/04	11,774.4	1,509,195	19,366	1.04	1,509,095		0.08080	46.79929		0.00081	0.37124		0.13736	134.68667
09/16/04	12,158.3	1,544,659	35,464	1.54	1,544,559	<250	0.03699	46.83628	<2.5	0.00037	0.37161	480	0.14204	134.82871
09/29/04	12,454.1	1,570,554	25,895	1.46	1,570,454		0.02701	46.86329		0.00027	0.37188		0.10372	134.93243
10/12/04	12,764.9	1,596,571	26,017	1.40	1,596,471	<50	0.00543	46.86872	<0.50	0.00005	0.37193	320	0.06947	135.00190
10/29/04	13,155.1	1,629,213	32,642	1.39	1,629,113		0.00681	46.87553		0.00007	0.37200		0.08716	135.08906
11/08/04	13,396.0	1,650,078	20,865	1.44	1,649,978	<200	0.01741	46.89294	<2.0	0.00017	0.37217	400	0.06964	135.15870
11/23/04	13,753.4	1,681,329	31,251	1.46	1,681,229		0.02608	46.91902		0.00026	0.37243		0.10431	135.26301
12/02/04	13,970.7	1,699,369	18,040	1.38	1,699,269	<250	0.01882	46.93783	<2.5	0.00019	0.37262	530	0.07978	135.34279
12/13/04	14,232.5	1,722,500	23,131	1.47	1,722,400		0.02413	46.96196		0.00024	0.37286		0.10230	135.44509
12/27/04	14,569.0	1,753,347	30,847	1.53	1,753,247		0.03217	46.99414		0.00032	0.37318		0.13642	135.58151
01/10/05	14,908.0	1,791,516	38,169	1.88	1,791,416	<250	0.03981	47.03395	<2.5	0.00040	0.37358	350	0.11147	135.69298
01/24/05	15250.0 a	1,833,667	42,151	2.05	1,833,567		0.04397	47.07791		0.00044	0.37402		0.12310	135.81608
02/08/05	15610.0 a	1,877,563	43,896	2.03	1,877,463	<250	0.04579	47.12370	<2.5	0.00046	0.37448	460	0.16849	135.98457
02/22/05	977.7 b	1,905,770	28,207	1.41	1,905,670		0.02942	47.15312		0.00029	0.37477		0.10827	136.09284
03/07/05	981.5	1,906,415	645	2.83	1,906,315	310	0.00167	47.15479	8.9	0.00005	0.37482	120	0.00065	136.09349
03/21/05	1313.8	1,955,583	49,168	2.47	1,955,483		0.12719	47.28197		0.00365	0.37847		0.04923	136.14272
04/13/05	1868.6	2,040,301	84,718	2.55	2,040,201	<250	0.08836	47.37034	<2.5	0.00088	0.37936	350	0.24742	136.39014
04/26/05	2178.9	2,075,269	34,968	1.88	2,075,169		0.03647	47.40681		0.00036	0.37972		0.10212	136.49227
Total Extracted Volume:			2,075,169	Total Pounds Removed:			47,407	Total Pounds Removed:			0.380	Total Pounds Removed:		136.492
Average Operational Flow Rate:			2.02	Total Gallons Removed:			7,783	Total Gallons Removed:			0.052	Total Gallons Removed:		22.105

Abbreviations & Notes:

TPHg = Total purgeable hydrocarbons as gasoline

MTBE = Methyl tert-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/10⁶µg) 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

a. Hour meter value is calculated due to hour meter failure

b. Hour meter replaced on 2/8/05. Initial reading 645.2 hours.

ATTACHMENT A

Blaine Groundwater Monitoring Report

and Field Notes

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

April 18, 2005

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

First Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
610 Market Street
Oakland, CA

Monitoring performed on February 28 and March 23, 2005

Groundwater Monitoring Report **050228-MT-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 Shell Martinez Manufacturing Complex.

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

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

SAN JOSE

1680 ROGERS AVENUE SAN JOSE, CA 95112-1105

SACRAMENTO

(408) 573-0565

LOS ANGELES

FAX (408) 573-7771 LIC. 746684

SAN DIEGO

www.blainetech.com

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/ks

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
610 Market Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-1	12/17/1998	2,200	20	<10	110	420	NA	NA	NA	NA	NA	21.70	13.71	7.99
MW-1	3/9/1999	4,320	25.8	<10.0	338	474	NA	NA	NA	NA	NA	21.70	13.03	8.67
MW-1	6/16/1999	6,150	107	84.0	615	1,050	NA	NA	NA	NA	NA	21.70	13.82	7.88
MW-1	9/29/1999	3,440	97.3	58.7	433	578	NA	NA	NA	NA	NA	21.70	14.45	7.25
MW-1	12/22/1999	1,370	34.5	4.38	196	49.1	NA	NA	NA	NA	NA	21.70	15.39	6.31
MW-1	3/21/2000	2,550	10.3	3.36	164	312	NA	NA	NA	NA	NA	21.70	11.94	9.76
MW-1	6/20/2000	4,770	64.3	18.6	387	732	NA	NA	NA	NA	NA	21.70	13.15	8.55
MW-1	9/21/2000	7,490	350	229	690	1,490	NA	NA	NA	NA	NA	21.70	13.65	8.05
MW-1	11/30/2000	5,410	420	168	494	1,170	NA	NA	NA	NA	NA	21.70	14.20	7.50
MW-1	3/6/2001	965	25.7	9.14	13.3	9.12	NA	NA	NA	NA	NA	21.70	12.99	8.71
MW-1	6/28/2001	5,900	190	71	360	910	110	NA	NA	NA	NA	21.70	13.98	7.72
MW-1	9/12/2001	7,400	240	110	460	1,300	130	NA	NA	NA	NA	21.70	14.15	7.55
MW-1	12/12/2001	1,700	100	30	120	300	98	NA	NA	NA	NA	21.70	13.75	7.95
MW-1	3/8/2002	1,100	63	12	74	83	50	NA	NA	NA	NA	21.70	13.22	8.48
MW-1	6/6/2002	2,300	95	31	130	290	49	NA	NA	NA	NA	21.70	13.57	8.13
MW-1	9/9/2002	3,600	150	44	200	590	54	NA	NA	NA	NA	21.70	14.05	7.65
MW-1	12/12/2002	2,200	130	14	120	310	46	NA	NA	NA	NA	21.70	14.20	7.50
MW-1	2/26/2003	580	30	2.9	25	48	27	NA	NA	NA	NA	21.70	13.57	8.13
MW-1	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.70	13.67	8.03
MW-1	6/13/2003	440	18	6.1	33	88	24	NA	NA	NA	NA	21.70	13.85	7.85
MW-1	9/26/2003	54	3.8	0.51	4.7	7.5	11	NA	NA	NA	NA	21.70	14.63	7.07
MW-1	11/24/2003	120	5.6	0.87	8.4	20	17	NA	NA	NA	NA	21.70	14.86	6.84
MW-1	3/1/2004	350	20	3.8	38	100	18	NA	NA	NA	NA	21.70	12.85	8.85
MW-1	6/15/2004	100	1.8	<0.50	2.6	6.1	15	NA	NA	NA	NA	21.70	14.27	7.43
MW-1	9/16/2004	200	20	0.75	7.8	16	27	<2.0	<2.0	<2.0	<5.0	21.70	14.60	7.10
MW-1	12/29/2004	67	1.8	<0.50	1.8	3.5	15	NA	NA	NA	NA	21.70	14.27	7.43
MW-1	2/28/2005	60	1.8	<0.50	1.9	3.6	22	NA	NA	NA	NA	21.70	12.45	9.25
MW-1	3/23/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.70	12.50	9.20
MW-2	12/17/1998	<5,000	<50	<50	<50	<50	NA	NA	NA	NA	NA	19.61	12.07	7.54
MW-2	3/9/1999	<250	5.20	<2.50	<2.50	<2.50	NA	NA	NA	NA	NA	19.61	11.46	8.15
MW-2	6/16/1999	<50.0	0.569	<0.500	<0.500	<0.500	NA	NA	NA	NA	NA	19.61	12.26	7.35

WELL CONCENTRATIONS
Shell-branded Service Station
610 Market Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-2	9/29/1999	58.6	2.51	0.978	<0.500	<0.500	NA	NA	NA	NA	NA	19.61	12.51	7.10
MW-2	12/22/1999	<2,000	50.4	<20.0	<20.0	<20.0	NA	NA	NA	NA	NA	19.61	13.40	6.21
MW-2	3/21/2000	<5,000	94.7	<50.0	<50.0	<50.0	NA	NA	NA	NA	NA	19.61	10.36	9.25
MW-2	6/20/2000	101	5.95	<0.500	<0.500	0.552	NA	NA	NA	NA	NA	19.61	11.12	8.49
MW-2	9/21/2000	<2,000	<20.0	<20.0	<20.0	<20.0	NA	NA	NA	NA	NA	19.61	11.95	7.66
MW-2	11/30/2000	81.1	4.46	0.924	0.841	3.23	NA	NA	NA	NA	NA	19.61	12.48	7.13
MW-2	3/6/2001	<500	183	<5.00	<5.00	<5.00	NA	NA	NA	NA	NA	19.61	11.10	8.51
MW-2	6/28/2001	<1,000	<10	<10	<10	<10	4,200	NA	NA	NA	NA	19.61	12.40	7.21
MW-2	9/12/2001	<2,000	120	<20	<20	<20	17,000	NA	NA	NA	NA	19.61	12.45	7.16
MW-2	12/12/2001	<1,000	<10	<10	<10	<10	3,000	NA	NA	NA	NA	19.61	12.14	7.47
MW-2	3/8/2002	<250	<2.5	<2.5	<2.5	<2.5	1,100	NA	NA	NA	NA	19.61	11.68	7.93
MW-2	6/6/2002	<500	<5.0	<5.0	<5.0	<5.0	2,000	NA	NA	NA	NA	19.61	11.95	7.66
MW-2	9/9/2002	<200	<2.0	<2.0	<2.0	<2.0	740	NA	NA	NA	NA	19.62	12.38	7.24
MW-2	12/12/2002	<200	<2.0	<2.0	<2.0	<2.0	1,000	NA	NA	NA	NA	19.62	12.40	7.22
MW-2	2/26/2003	<500	<5.0	<5.0	<5.0	<5.0	1,600	NA	NA	NA	NA	19.62	12.69	6.93
MW-2	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.62	12.81	6.81
MW-2	6/13/2003	<500	<5.0	<5.0	<5.0	<10	790	NA	NA	NA	NA	19.62	12.65	6.97
MW-2	9/26/2003	<250	<2.5	<2.5	<2.5	<5.0	250	NA	NA	NA	NA	18.20	12.95	5.25
MW-2	11/24/2003	<50	<0.50	<0.50	<0.50	<1.0	87	NA	NA	NA	NA	18.20	12.89	5.31
MW-2	3/1/2004	<50	<0.50	<0.50	<0.50	<1.0	35	NA	NA	NA	NA	18.20	10.08	8.12
MW-2	6/15/2004	66 b	<0.50	<0.50	<0.50	<1.0	110	NA	NA	NA	NA	18.20	12.85	5.35
MW-2	9/16/2004	<50	<0.50	<0.50	<0.50	<1.0	26	<2.0	<2.0	<2.0	<5.0	18.20	12.00	6.20
MW-2	12/29/2004	<50	<0.50	0.73	<0.50	<1.0	43	NA	NA	NA	NA	18.20	11.60	6.60
MW-2	2/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.20	9.71	8.49
MW-2	3/23/2005	340 f	3.9	<2.0	<2.0	<4.0	370	NA	NA	NA	NA	18.20	10.10	8.10
MW-3	12/17/1998	30,000	890	110	2,100	4,300	43,000	NA	NA	NA	NA	19.05	11.65	7.40
MW-3	3/9/1999	22,700	536	<200	1,030	1,510	38,500	NA	NA	NA	NA	19.05	11.03	8.02
MW-3	6/16/1999	19,300	625	129	805	1,210	51,600	NA	NA	NA	NA	19.05	11.89	7.16
MW-3	9/29/1999	20,200	727	155	1,000	1,180	136,000a	NA	NA	NA	NA	19.05	12.35	6.70
MW-3	12/22/1999	44,500	767	64.4	1,810	2,090	186,000a	NA	NA	NA	NA	19.05	13.45	5.60
MW-3	3/21/2000	<25,000	466	<250	727	2,280	155,000	NA	NA	NA	NA	19.05	10.00	9.05

WELL CONCENTRATIONS
Shell-branded Service Station
610 Market Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
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MW-3	6/20/2000	16,200	1,140	98.8	1,140	1,410	376,000a	NA	NA	NA	NA	19.05	11.15	7.90
MW-3	9/21/2000	<50,000	712	<500	520	795	298,000	NA	NA	NA	NA	19.05	11.58	7.47
MW-3	11/30/2000	18,000	1,050	124	1,120	2,010	403,000a	NA	NA	NA	NA	19.05	12.10	6.95
MW-3	3/6/2001	19,900	1,290	115	1,450	1,760	149,000	NA	NA	NA	NA	19.05	11.00	8.05
MW-3	6/28/2001	<50,000	1,200	<250	1,100	1,300	610,000	NA	NA	NA	NA	19.05	11.96	7.09
MW-3	9/12/2001	<20,000	430	<200	230	480	390,000	NA	NA	NA	NA	19.05	12.05	7.00
MW-3	10/23/2001	11,000	350	<100	210	440	290,000	NA	NA	NA	NA	19.05	12.62	6.43
MW-3	12/12/2001	<20,000	280	<200	<200	<200	160,000	NA	NA	NA	NA	19.05	11.83	7.22
MW-3	3/8/2002	<20,000	270	<200	<200	<200	340,000	NA	NA	NA	NA	19.05	11.26	7.79
MW-3	6/6/2002	<50,000	290	<250	<250	<250	290,000	NA	NA	NA	NA	19.05	11.50	7.55
MW-3	9/9/2002	<20,000	<200	<200	<200	<200	230,000	NA	NA	NA	NA	19.06	11.92	7.14
MW-3	12/12/2002	<50,000	<200	<200	<200	<500	190,000	NA	NA	NA	NA	19.06	10.95	8.11
MW-3	2/26/2003	<25,000	<250	<250	<250	<250	210,000	NA	NA	NA	NA	19.06	15.01	4.05
MW-3	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.06	15.12	3.94
MW-3	6/13/2003	<25,000	<250	<250	<250	<500	27,000	NA	NA	NA	NA	19.06	15.25	3.81
MW-3	9/26/2003	<10,000	<100	<100	<100	<200	15,000	NA	NA	NA	NA	18.08	16.65 c	NA
MW-3	11/24/2003	<10,000	<100	<100	<100	<200	9,900	NA	NA	NA	NA	18.08	15.13	2.95
MW-3	3/1/2004	<10,000	<100	<100	<100	<200	8,000	NA	NA	NA	NA	18.08	9.97	8.11
MW-3	6/15/2004	<10,000	<100	<100	<100	<200	6,900	NA	NA	NA	NA	18.08	15.05	3.03
MW-3	9/16/2004	<500	<5.0	<5.0	<5.0	<10	1,000	<20	<20	<20	75	18.08	14.70	3.38
MW-3	12/29/2004	<250	2.8	<2.5	<2.5	<5.0	580	NA	NA	NA	NA	18.08	14.83	3.25
MW-3	2/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.08	9.60	8.48
MW-3	3/23/2005	<1,000	<10	<10	<10	<20	1,500	NA	NA	NA	NA	18.08	12.68	5.40

MW-4	5/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.64	NA
MW-4	5/20/2002	<1,000	<10	<10	<10	<10	4,600	NA	NA	NA	NA	NA	10.64	NA
MW-4	6/6/2002	<1,000	<10	<10	<10	<10	4,800	NA	NA	NA	NA	NA	10.61	NA
MW-4	9/9/2002	Unable to sample	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.03	11.07
MW-4	9/18/2002	<250	<2.5	<2.5	<2.5	<2.5	1,000	NA	NA	NA	NA	NA	18.03	11.15
MW-4	12/12/2002	<100	<1.0	<1.0	<1.0	<1.0	370	NA	NA	NA	NA	NA	18.03	11.13
MW-4	2/26/2003	<50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	18.03	10.61
MW-4	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.03	10.73

WELL CONCENTRATIONS
Shell-branded Service Station
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-4	6/13/2003	180 b	<0.50	110	<0.50	<1.0	2.3	NA	NA	NA	NA	18.03	10.88	7.15
MW-4	9/26/2003	<5,000	<50	<50	<50	<100	13,000	NA	NA	NA	NA	18.03	11.58	6.45
MW-4	11/24/2003	<13,000	<130	<130	<130	<250	11,000	NA	NA	NA	NA	18.03	11.78	6.25
MW-4	3/1/2004	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	18.03	9.47	8.56
MW-4	6/15/2004	<500	<5.0	<5.0	<5.0	<10	630	NA	NA	NA	NA	18.03	11.38	6.65
MW-4	9/16/2004	<100	<1.0	12	<1.0	<2.0	280	<4.0	<4.0	<4.0	280	18.03	11.80	6.23
MW-4	12/29/2004	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	18.03	10.63	7.40
MW-4	2/28/2005	<50	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	18.03	9.20	8.83
MW-4	3/23/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.03	9.43	8.60
MW-5	5/13/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.40	NA
MW-5	5/20/2002	<2,500	<25	<25	<25	<25	17,000	NA	NA	NA	NA	NA	10.41	NA
MW-5	6/6/2002	<5,000	<50	<50	<50	<50	15,000	NA	NA	NA	NA	NA	10.36	NA
MW-5	9/9/2002	Unable to sample	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.78	10.82
MW-5	9/18/2002	<2,500	<25	<25	<25	<25	16,000	NA	NA	NA	NA	NA	17.78	10.81
MW-5	12/12/2002	<2,500	<25	<25	<25	<25	13,000	NA	NA	NA	NA	NA	17.78	10.83
MW-5	2/26/2003	<2,000	<20	<20	<20	<20	7,500	NA	NA	NA	NA	NA	17.78	10.57
MW-5	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.78	10.69
MW-5	6/13/2003	<2,500	<25	<25	<25	<50	4,400	NA	NA	NA	NA	NA	17.78	10.82
MW-5	9/26/2003	<2,500	<25	<25	<25	<50	4,700	NA	NA	NA	NA	NA	17.78	11.49
MW-5	11/24/2003	<10,000	<100	<100	<100	<200	7,100	NA	NA	NA	NA	NA	17.78	11.70
MW-5	3/1/2004	<2,000	<20	<20	<20	<40	2,800	NA	NA	NA	NA	NA	17.78	9.68
MW-5	6/15/2004	<2,000	<20	<20	<20	<40	2,100	NA	NA	NA	NA	NA	17.78	11.28
MW-5	9/16/2004	<2,000	<20	<20	<20	<40	2,200	<80	<80	<80	2,800	17.78	11.62	6.16
MW-5	12/29/2004	<2,000	<20	<20	<20	<40	3,700	NA	NA	NA	NA	NA	17.78	11.11
MW-5	2/28/2005	<200	<2.0	<2.0	<2.0	<4.0	740	NA	NA	NA	NA	NA	17.78	9.50
MW-5	3/23/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.78	9.70
MW-6	3/28/2003	Well inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.10	NA
MW-6	4/7/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.10	13.80
MW-6	4/15/2003	14,000	<250	<250	<250	<500	41,000	NA	NA	NA	NA	NA	18.10	15.05
MW-6	6/13/2003	<10,000	<100	<100	<100	<200	27,000	NA	NA	NA	NA	NA	18.10	14.42
														3.68

WELL CONCENTRATIONS
Shell-branded Service Station
610 Market Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-6	9/26/2003	<5,000	<50	<50	<50	<100	11,000	NA	NA	NA	NA	18.05	18.35 c	NA
MW-6	11/24/2003	<10,000	<100	<100	<100	<200	5,000	NA	NA	NA	NA	18.05	14.68	3.37
MW-6	3/1/2004	<1,000	<10	<10	<10	<20	2,500	NA	NA	NA	NA	18.05	9.84	8.21
MW-6	6/15/2004	<1,000	<10	<10	<10	<20	2,800	NA	NA	NA	NA	18.05	14.82	3.23
MW-6	9/16/2004	<1,000	<10	<10	<10	<20	830	<40	<40	<40	610	18.05	14.20	3.85
MW-6	12/29/2004	<200	<2.0	<2.0	<2.0	<4.0	530	NA	NA	NA	NA	18.05	14.78	3.27
MW-6	2/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.05	9.58	8.47
MW-6	3/23/2005	290 f	<2.0	<2.0	<2.0	<4.0	590	NA	NA	NA	NA	18.05	14.22	3.83
MW-7	3/28/2003	Well inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.16	NA	NA
MW-7	4/7/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.16	13.85	5.31
MW-7	4/15/2003	6,000	<100	<100	<100	<200	19,000	NA	NA	NA	NA	19.16	13.95	5.21
MW-7	6/13/2003	<5,000	<50	<50	<50	<100	5,700	NA	NA	NA	NA	19.16	13.92	5.24
MW-7	9/26/2003	<250	<2.5	<2.5	<2.5	<5.0	110	NA	NA	NA	NA	19.13	13.85	5.28
MW-7	11/24/2003	<50	<0.50	0.59	<0.50	1.7	7.6	NA	NA	NA	NA	19.13	13.99	5.14
MW-7	3/1/2004	67 b	<0.50	<0.50	<0.50	<1.0	120	NA	NA	NA	NA	19.13	10.85	8.28
MW-7	6/15/2004	120 b	<0.50	<0.50	<0.50	<1.0	89	NA	NA	NA	NA	19.13	13.27	5.86
MW-7	9/16/2004	<500	<5.0	<5.0	<5.0	<10	130	<20	<20	<20	4,700	19.13	12.83	6.30
MW-7	12/29/2004	<500	<5.0	<5.0	<5.0	<10	130	NA	NA	NA	NA	19.13	11.82	7.31
MW-7	2/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.13	10.59	8.54
MW-7	3/23/2005	<1,000	<10	<10	<10	<20	16	NA	NA	NA	NA	19.13	11.16	7.97
MW-8	3/28/2003	Well inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.72	NA	NA
MW-8	4/7/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.72	14.13	4.59
MW-8	4/15/2003	890	29	22	15	71	430	NA	NA	NA	NA	18.72	14.10	4.62
MW-8	6/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.72	13.94	4.78
MW-8	9/26/2003	<250	55	51	33	140	330	NA	NA	NA	NA	18.71	14.21	4.50
MW-8	11/24/2003	<5,000	<50	<50	<50	<100	5,600	NA	NA	NA	NA	18.71	14.16	4.55
MW-8	3/1/2004	<50	<0.50	<0.50	<0.50	<1.0	12	NA	NA	NA	NA	18.71	10.34	8.37 -
MW-8	6/15/2004	2,800	170	240	140	560	440	NA	NA	NA	NA	18.71	13.88	4.83
MW-8	9/16/2004	2,500	180	200	120	490	480	<10	<10	<10	260	18.71	13.92	4.79
MW-8	12/29/2004	4,400	360	600	280	1,400	690	NA	NA	NA	NA	18.71	13.44	5.27

WELL CONCENTRATIONS
Shell-branded Service Station
610 Market Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-8	2/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.71	10.15	8.56
MW-8	3/23/2005	2,800	120	190	110	420	300	NA	NA	NA	NA	18.71	13.79	4.92
MW-9	3/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.78	11.19	7.59
MW-9	4/15/2003	420	<2.5	<2.5	<2.5	6.3	37	NA	NA	NA	NA	18.78	11.24	7.54
MW-9	6/13/2003	290 b	<0.50	<0.50	<0.50	2.6	34	NA	NA	NA	NA	18.78	11.39	7.39
MW-9	9/26/2003	540 b	<0.50	<0.50	<0.50	9.2	21	NA	NA	NA	NA	18.78	12.12	6.66
MW-9	11/24/2003	650 d	<0.50	<0.50	<0.50	6.3	14	NA	NA	NA	NA	18.78	12.30	6.48
MW-9	3/1/2004	230 d	<0.50	<0.50	<0.50	1.7	7.7	NA	NA	NA	NA	18.78	10.45	8.33
MW-9	6/15/2004	280	<0.50	<0.50	<0.50	1.9	8.3	NA	NA	NA	NA	18.78	11.88	6.90
MW-9	9/16/2004	260	<0.50	<0.50	<0.50	1.5	3.9	<2.0	<2.0	<2.0	<5.0	18.78	12.26	6.52
MW-9	12/29/2004	220	<0.50	<0.50	<0.50	1.2	3.5	NA	NA	NA	NA	18.78	11.76	7.02
MW-9	2/28/2005	140 g	<0.50	<0.50	<0.50	<1.0	1.5	NA	NA	NA	NA	18.78	10.21	8.57
MW-9	3/23/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.78	10.14	8.64

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 28, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 28, 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

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
610 Market Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
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Notes:

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

b = Hydrocarbon reported does not match the laboratory standard.

c = Measurement is depth to top of pump; unable to reach water with sounder.

d = Sample contains discrete peaks in addition to gasoline.

f = Quantit. Of unknown hydrocarbon(s) in sample based on gasoline.

g = The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

Wells MW-1, MW-2, and MW-3 surveyed December 9, 1998 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells MW-6 through MW-9 surveyed April 10, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells MW-2, MW-3, MW-6, MW-7, and MW-8 surveyed September 23, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

April 12, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: BTS#050323-WC2

Project: 98995750

Site: 610 Market Street, Oakland

Dear Mr. Gearhart,

Attached is our report for your samples received on 03/24/2005 13:01

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 05/08/2005 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
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771Project: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-6	03/23/2005 13:30	Water	1
MW-3	03/23/2005 13:40	Water	2
MW-2	03/23/2005 14:30	Water	3
MW-7	03/23/2005 15:25	Water	4
MW-8	03/23/2005 15:15	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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-6

Lab ID: 2005-03-0840 - 1

Sampled: 03/23/2005 13:30

Extracted: 4/5/2005 01:36

Matrix: Water

QC Batch#: 2005/04/04-2C.66

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	290	200	ug/L	4.00	04/05/2005 01:36	Q1
Benzene	ND	2.0	ug/L	4.00	04/05/2005 01:36	
Toluene	ND	2.0	ug/L	4.00	04/05/2005 01:36	
Ethylbenzene	ND	2.0	ug/L	4.00	04/05/2005 01:36	
Total xylenes	ND	4.0	ug/L	4.00	04/05/2005 01:36	
Methyl tert-butyl ether (MTBE)	590	2.0	ug/L	4.00	04/05/2005 01:36	
Surrogate(s)						
1,2-Dichloroethane-d4	108.8	73-130	%	4.00	04/05/2005 01:36	
Toluene-d8	99.8	81-114	%	4.00	04/05/2005 01:36	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-3 Lab ID: 2005-03-0840 -2
Sampled: 03/23/2005 13:40 Extracted: 4/6/2005 10:12
Matrix: Water QC Batch#: 2005/04/06-1B.66
Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	04/06/2005 10:12	
Benzene	ND	10	ug/L	20.00	04/06/2005 10:12	
Toluene	ND	10	ug/L	20.00	04/06/2005 10:12	
Ethylbenzene	ND	10	ug/L	20.00	04/06/2005 10:12	
Total xylenes	ND	20	ug/L	20.00	04/06/2005 10:12	
Methyl tert-butyl ether (MTBE)	1500	10	ug/L	20.00	04/06/2005 10:12	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	116.9	73-130	%	20.00	04/06/2005 10:12	
Toluene-d8	103.4	81-114	%	20.00	04/06/2005 10:12	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-2

Lab ID: 2005-03-0840 - 3

Sampled: 03/23/2005 14:30

Extracted: 4/6/2005 10:37

Matrix: Water

QC Batch#: 2005/04/06-1B.66

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	340	200	ug/L	4.00	04/06/2005 10:37	Q1
Benzene	3.9	2.0	ug/L	4.00	04/06/2005 10:37	
Toluene	ND	2.0	ug/L	4.00	04/06/2005 10:37	
Ethylbenzene	ND	2.0	ug/L	4.00	04/06/2005 10:37	
Total xylenes	ND	4.0	ug/L	4.00	04/06/2005 10:37	
Methyl tert-butyl ether (MTBE)	370	2.0	ug/L	4.00	04/06/2005 10:37	
Surrogate(s)						
1,2-Dichloroethane-d4	107.6	73-130	%	4.00	04/06/2005 10:37	
Toluene-d8	106.4	81-114	%	4.00	04/06/2005 10:37	

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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-7 Lab ID: 2005-03-0840 - 4
Sampled: 03/23/2005 15:25 Extracted: 4/6/2005 11:03
Matrix: Water QC Batch#: 2005/04/06-1B.66
Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	04/06/2005 11:03	
Benzene	ND	10	ug/L	20.00	04/06/2005 11:03	
Toluene	ND	10	ug/L	20.00	04/06/2005 11:03	
Ethylbenzene	ND	10	ug/L	20.00	04/06/2005 11:03	
Total xylenes	ND	20	ug/L	20.00	04/06/2005 11:03	
Methyl tert-butyl ether (MTBE)	16	10	ug/L	20.00	04/06/2005 11:03	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	111.5	73-130	%	20.00	04/06/2005 11:03	
Toluene-d8	102.9	81-114	%	20.00	04/06/2005 11:03	

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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-8

Lab ID: 2005-03-0840 - 5

Sampled: 03/23/2005 15:15

Extracted: 4/5/2005 03:19

Matrix: Water

QC Batch#: 2005/04/04-2C.66

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	2800	250	ug/L	5.00	04/05/2005 03:19	
Benzene	120	2.5	ug/L	5.00	04/05/2005 03:19	
Toluene	190	2.5	ug/L	5.00	04/05/2005 03:19	
Ethylbenzene	110	2.5	ug/L	5.00	04/05/2005 03:19	
Total xylenes	420	5.0	ug/L	5.00	04/05/2005 03:19	
Methyl tert-butyl ether (MTBE)	300	2.5	ug/L	5.00	04/05/2005 03:19	
Surrogate(s)						
1,2-Dichloroethane-d4	109.6	73-130	%	5.00	04/05/2005 03:19	
Toluene-d8	103.3	81-114	%	5.00	04/05/2005 03:19	

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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/04/04-2C.66

MB: 2005/04/04-2C.66-009

Date Extracted: 04/04/2005 19:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	04/04/2005 19:09	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/04/2005 19:09	
Benzene	ND	0.5	ug/L	04/04/2005 19:09	
Toluene	ND	0.5	ug/L	04/04/2005 19:09	
Ethylbenzene	ND	0.5	ug/L	04/04/2005 19:09	
Total xylenes	ND	1.0	ug/L	04/04/2005 19:09	
Surrogates(s)					
1,2-Dichloroethane-d4	104.2	73-130	%	04/04/2005 19:09	
Toluene-d8	102.6	81-114	%	04/04/2005 19:09	

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

Blaine Tech Services, Inc.

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

Project: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/04/06-1B.66

MB: 2005/04/06-1B.66-038

Date Extracted: 04/06/2005 08:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	04/06/2005 08:38	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/06/2005 08:38	
Benzene	ND	0.5	ug/L	04/06/2005 08:38	
Toluene	ND	0.5	ug/L	04/06/2005 08:38	
Ethylbenzene	ND	0.5	ug/L	04/06/2005 08:38	
Total xylenes	ND	1.0	ug/L	04/06/2005 08:38	
Surrogates(s)					
1,2-Dichloroethane-d4	104.8	73-130	%	04/06/2005 08:38	
Toluene-d8	103.8	81-114	%	04/06/2005 08:38	

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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike**Water****QC Batch # 2005/04/04-2C.66**

LCS 2005/04/04-2C.66-044
LCSD

Extracted: 04/04/2005

Analyzed: 04/04/2005 18:44

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.0		25	104.0		65-165	20			
Benzene	22.1		25	88.4		69-129	20			
Toluene	26.0		25	104.0		70-130	20			
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	493		500	98.6		73-130				
Toluene-d8	522		500	104.4		81-114				

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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike**Water****QC Batch # 2005/04/06-1B.66**

LCS 2005/04/06-1B.66-013
LCSD

Extracted: 04/06/2005

Analyzed: 04/06/2005 08:13

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.0		25	100.0			65-165	20		
Benzene	21.7		25	86.8			69-129	20		
Toluene	27.2		25	108.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	464		500	92.8			73-130			
Toluene-d8	527		500	105.4			81-114			

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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)**Water****QC Batch # 2005/04/04-2C.66****MS/MSD**

Lab ID: 2005-03-0839 - 001

MS: 2005/04/04-2C.66-031

Extracted: 04/04/2005

Analyzed: 04/04/2005 20:31

MSD: 2005/04/04-2C.66-056

Extracted: 04/04/2005

Dilution: 1.00

Analyzed: 04/04/2005 20:56

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	627	771	657	25	-120.0	456.0	342.	65-165	20	M3	M3,R1
Benzene	23.1	23.8	ND	25	92.4	95.2	3.0	69-129	20		
Toluene	26.5	27.0	0.557	25	103.8	105.8	1.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	487	498		500	97.4	99.6		73-130			
Toluene-d8	511	510		500	102.2	102.0		81-114			

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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)**Water****QC Batch # 2005/04/06-1B.66**

MS/MSD

Lab ID: 2005-03-0902 - 002

MS: 2005/04/06-1B.66-045

Extracted: 04/06/2005

Analyzed: 04/06/2005 12:45

MSD: 2005/04/06-1B.66-010

Extracted: 04/06/2005

Dilution: 1.00

Analyzed: 04/06/2005 13:10

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	21.4	26.0	ND	25	85.6	104.0	19.4	69-129	20		
Toluene	24.1	28.0	ND	25	96.4	112.0	15.0	70-130	20		
Methyl tert-butyl ether	25.1	30.8	ND	25	100.4	123.2	20.4	65-165	20		R4
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	503	498		500	100.6	99.6		73-130			
Toluene-d8	524	509		500	104.8	101.8		81-114			

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: BTS#050323-WC2
98995750

Received: 03/24/2005 13:01

Site: 610 Market Street, Oakland

Legend and Notes

Analysis Flag

L1

Reporting limits raised due to high level of non-target analyte materials.

L2

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

Result Flag

M3

Sample > 4x spike concentration.

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R1

Analyte RPD was out of QC limits.

R4

RPD exceeded method control limit; % recoveries within limits.

Blaine Tech Services, Inc.

March 17, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 050228-MT2

Project: 98995750

Site: 610 Market Street, Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 03/01/2005 16:40

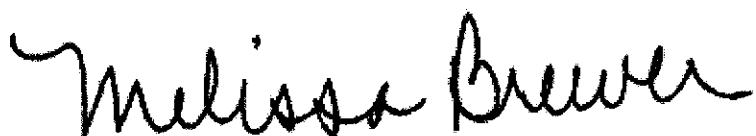
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 04/15/2005 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
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	02/28/2005 12:50	Water	1
MW-4	02/28/2005 12:05	Water	2
MW-5	02/28/2005 12:25	Water	3
MW-9	02/28/2005 13:10	Water	4

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-1

Lab ID: 2005-03-0093 - 1

Sampled: 02/28/2005 12:50

Extracted: 3/12/2005 13:18

Matrix: Water

QC Batch#: 2005/03/12-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	60	50	ug/L	1.00	03/12/2005 13:18	
Benzene	1.8	0.50	ug/L	1.00	03/12/2005 13:18	
Toluene	ND	0.50	ug/L	1.00	03/12/2005 13:18	
Ethylbenzene	1.9	0.50	ug/L	1.00	03/12/2005 13:18	
Total xylenes	3.6	1.0	ug/L	1.00	03/12/2005 13:18	
Methyl tert-butyl ether (MTBE)	22	0.50	ug/L	1.00	03/12/2005 13:18	
Surrogate(s)						
1,2-Dichloroethane-d4	114.0	73-130	%	1.00	03/12/2005 13:18	
Toluene-d8	98.4	81-114	%	1.00	03/12/2005 13:18	

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-4 Lab ID: 2005-03-0093 - 2
Sampled: 02/28/2005 12:05 Extracted: 3/12/2005 13:42
Matrix: Water QC Batch#: 2005/03/12-1C:65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	03/12/2005 13:42	
Benzene	ND	0.50	ug/L	1.00	03/12/2005 13:42	
Toluene	ND	0.50	ug/L	1.00	03/12/2005 13:42	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2005 13:42	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2005 13:42	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/12/2005 13:42	
Surrogate(s)						
1,2-Dichloroethane-d4	113.3	73-130	%	1.00	03/12/2005 13:42	
Toluene-d8	97.9	81-114	%	1.00	03/12/2005 13:42	

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-5 Lab ID: 2005-03-0093 - 3
Sampled: 02/28/2005 12:25 Extracted: 3/14/2005 20:10
Matrix: Water QC Batch#: 2005/03/14-2B.62

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	200	ug/L	4.00	03/14/2005 20:10	
Benzene	ND	2.0	ug/L	4.00	03/14/2005 20:10	
Toluene	ND	2.0	ug/L	4.00	03/14/2005 20:10	
Ethylbenzene	ND	2.0	ug/L	4.00	03/14/2005 20:10	
Total xylenes	ND	4.0	ug/L	4.00	03/14/2005 20:10	
Methyl tert-butyl ether (MTBE)	740	2.0	ug/L	4.00	03/14/2005 20:10	
Surrogate(s)						
1,2-Dichloroethane-d4	115.8	73-130	%	4.00	03/14/2005 20:10	
Toluene-d8	111.7	81-114	%	4.00	03/14/2005 20:10	

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-9 Lab ID: 2005-03-0093 - 4
Sampled: 02/28/2005 13:10 Extracted: 3/12/2005 14:35
Matrix: Water QC Batch#: 2005/03/12-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	140	50	ug/L	1.00	03/12/2005 14:35	Q6
Benzene	ND	0.50	ug/L	1.00	03/12/2005 14:35	
Toluene	ND	0.50	ug/L	1.00	03/12/2005 14:35	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2005 14:35	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2005 14:35	
Methyl tert-butyl ether (MTBE)	1.5	0.50	ug/L	1.00	03/12/2005 14:35	
Surrogate(s)						
1,2-Dichloroethane-d4	113.8	73-130	%	1.00	03/12/2005 14:35	
Toluene-d8	92.5	81-114	%	1.00	03/12/2005 14:35	

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/03/12-1C.65

MB: 2005/03/12-1C.65-006

Date Extracted: 03/12/2005 08:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	03/12/2005 08:06	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/12/2005 08:06	
Benzene	ND	0.5	ug/L	03/12/2005 08:06	
Toluene	ND	0.5	ug/L	03/12/2005 08:06	
Ethylbenzene	ND	0.5	ug/L	03/12/2005 08:06	
Total xylenes	ND	1.0	ug/L	03/12/2005 08:06	
Surrogates(s)					
1,2-Dichloroethane-d4	96.8	73-130	%	03/12/2005 08:06	
Toluene-d8	91.8	81-114	%	03/12/2005 08:06	

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank**Water****QC Batch # 2005/03/14-2B.62**

MB: 2005/03/14-2B.62-042

Date Extracted: 03/14/2005 18:42

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	03/14/2005 18:42	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/14/2005 18:42	
Benzene	ND	0.5	ug/L	03/14/2005 18:42	
Toluene	ND	0.5	ug/L	03/14/2005 18:42	
Ethylbenzene	ND	0.5	ug/L	03/14/2005 18:42	
Total xylenes	ND	1.0	ug/L	03/14/2005 18:42	
Surrogates(s)					
1,2-Dichloroethane-d4	112.0	73-130	%	03/14/2005 18:42	
Toluene-d8	116.6	81-114	%	03/14/2005 18:42	S7

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike**Water****QC Batch # 2005/03/12-1C.65**LCS 2005/03/12-1C.65-041
LCSD

Extracted: 03/12/2005

Analyzed: 03/12/2005 07:41

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.1		25	92.4		65-165	20			
Benzene	24.4		25	97.6		69-129	20			
Toluene	26.1		25	104.4		70-130	20			
Surrogates(s)										
1,2-Dichloroethane-d4	411		500	82.2		73-130				
Toluene-d8	470		500	94.0		81-114				

Gas/BTEX/MTBE 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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/03/14-2B.62

LCS 2005/03/14-2B.62-012
LCSD

Extracted: 03/14/2005

Analyzed: 03/14/2005 19:12

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	30.8		25	123.2			65-165	20		
Benzene	28.5		25	114.0			69-129	20		
Toluene	27.9		25	111.6			70-130	20		
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	509		500	101.8			73-130			
Toluene-d8	540		500	108.0			81-114			

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)**Water****QC Batch # 2005/03/12-1C.65****MS/MSD**

Lab ID: 2005-03-0092 - 001

MS: 2005/03/12-1C.65-025

Extracted: 03/12/2005

Analyzed: 03/12/2005 12:25

MSD: 2005/03/12-1C.65-052

Extracted: 03/12/2005

Dilution: 1.00

Analyzed: 03/12/2005 12:52

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	23.8	24.8	ND	25	95.2	99.2	4.1	65-165	20		
Benzene	24.2	24.7	ND	25	96.8	98.8	2.0	69-129	20		
Toluene	25.2	25.3	ND	25	100.8	101.2	0.4	70-130	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	450	466		500	90.0	93.2		73-130			
Toluene-d8	499	490		500	99.8	98.0		81-114			

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)**Water****QC Batch # 2005/03/14-2B.62****MS/MSD**

Lab ID: 2005-03-0139 - 004

MS: 2005/03/14-2B.62-056

Extracted: 03/14/2005

Analyzed: 03/14/2005 21:56

MSD: 2005/03/14-2B.62-022

Extracted: 03/14/2005

Analyzed: 03/14/2005 22:22

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	36.7	29.0	1.51	25	140.8	110.0	24.6	65-165	20		R1
Benzene	28.0	25.9	ND	25	112.0	103.6	7.8	69-129	20		
Toluene	28.5	26.9	ND	25	114.0	107.6	5.8	70-130	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	558	547		500	111.6	109.4		73-130			
Toluene-d8	561	577		500	112.2	115.4		81-114			S7

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: 050228-MT2
98995750

Received: 03/01/2005 16:40

Site: 610 Market Street, Oakland

Legend and Notes

Analysis Flag

L2

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

Result Flag

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

R1

Analyte RPD was out of QC limits.

S7

Surrogate recoveries higher than acceptance limits.

(ab initio) or (respectively)

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Shell Project Manager to be Involved:			INCIDENT NUMBER (S&E ONLY)												
<input checked="" type="checkbox"/> SCIENCE & ENGINEERING	Karen Petryna		9	8	9	9	5	7	5	0					
<input type="checkbox"/> TECHNICAL SERVICES			SAF or CRM# NUMBER (S&CRM#)												
<input type="checkbox"/> CHT HOUSTON															
LOG CODE: BTSS			SITE ADDRESS (Street and City): 610 Market Street, Oakland												
			ECF DELIVERABLE ID (Reproductive Party or Designee): Anni Kremi			PHONE #: 510-420-3335		EMAIL: ShellOaklandEDF@cambrila-env.com							
			SAMPLE NAME (X) (PIN): Michael Toll					LAB USE ONLY							
<input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS			REQUESTED ANALYSIS												
TEST per BORING: ALL															
KNOW IF ESD IS NOT NEEDED <input type="checkbox"/>															
SAMPLING	MATRIX	NO. OF CONT.	TPH - Gas Purgable	BTEX	MTBE (S021B - 5mL RL)	MTBE (S250B - 0.5mL RL)	Oxygenates (5) by (S160B)	Ethanol (S260B)	Neptane	Toluene (S260B)	EDB (S260B)	TPH - Diesel Extractable (S015m)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes		
2/20/05 1225	W	3	X	Y	X									TEMPERATURE ON RECEIPT: 7	
1225	1	3	X	X	X										
1225	3	3	X	X	X										
2 1312	Y	3	X	Y	Y										
Received by (Signature): 12 1802										Date: 3/1/05	Time: 1640				
Received by (Signature): Jay Bruff										Date: 3/1/05	Time: 1802				
Received by (Signature):										Date:	Time:				

metamorphic rocks with foliation, Green is Fiss, Yellow and Mott is Diorit.

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OSCAR GÖTTSCHE

WELL GAUGING DATA

Project # 050323-WC2 Date 3/23/05 Client Shell

Site 610 Market St., Oakland

SHELL WELL MONITORING DATA SHEET

BTS #: 050323-WC2	Site: 810 Market st, Oakland		
Sampler: we	Date: 3/23/05		
Well I.D.: MW-2	Well Diameter: 2 3 4 6 8		
Total Well Depth (TD): 18.27	Depth to Water (DTW): 10.10		
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]: 11.73			

Purge Method:	Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other	Sampling Method:	Bailer Disposable Bailer Extraction Port Dedicated Tubing
5.3 (Gals.) X 3 = 15.9 Gals.	1 Case Volume Specified Volumes Calculated Volume		Well Diameter Multiplier Well Diameter Multiplier	1" 0.04 4" 0.65 2" 0.16 6" 1.47 3" 0.37 Other radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1421	66.5	6.1	555	340	6	color/clear
1422	67.1	6.0	713	21	11	11
1423	67.0	5.9	621	8	16	11

Did well dewater? Yes No Gallons actually evacuated: 16

Sampling Date: 3/23/05 Sampling Time: 1430 Depth to Water: 11.64

Sample I.D.: MW-2 Laboratory: SCL Other _____

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 050323-wc2	Site: 610 Market St, Oakland		
Sampler: WL	Date: 3/23/05		
Well I.D.: MW-3	Well Diameter: 2 3 <u>4</u> 6 8		
Total Well Depth (TD):	Depth to Water (DTW): 12.68		
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	Waterra	Sampling Method:	Bailer
	Disposable Bailer	Peristaltic		Disposable Bailer
	Positive Air Displacement	Extraction Pump		Extraction Port
	Electric Submersible	Other		Dedicated Tubing
<u>Ex</u> (Gals.) X 1 Case Volume	<u>Sys</u> Specified Volumes	Gals. Calculated Volume	Well Diameter Multiplier Well Diameter Multiplier	Other: radius ² * 0.163
1	0.04	4"	0.65	
2"	0.16	6"	1.47	
3"	0.37	Other		

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1337	64.6	6.6	11341	5	—	clear

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 3/23/05 Sampling Time: 1340 Depth to Water: —

Sample I.D.: MW-3 Laboratory: SPL 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 #: 060323-WC2	Site: 610 Market St, Oakland		
Sampler: we	Date: 3/23/05		
Well I.D.: MW-G	Well Diameter: 2 3 (4) 6 8		
Total Well Depth (TD):	Depth to Water (DTW): 14.22		
Depth to Free Product:	Thickness of Free Product (feet):		
Referenced to: <input checked="" type="radio"/> 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	Waterra	Sampling Method:	Bailer
Disposable Bailer		Peristaltic		Disposable Bailer
Positive Air Displacement		Extraction Pump		Extraction Port
Electric Submersible		Other		Dedicated Tubing
			Other:	

Exch Gals.	X	Specified Volumes	Gals.	Calculated Volume																
1 Case Volume																				
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Well Diameter	Multiplier	Well Diameter	Multiplier																	
1"	0.04	4"	0.65																	
2"	0.16	6"	1.47																	
3"	0.37	Other	radius ² * 0.163																	

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1327	66.8	6.6	878	20	—	clear

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 3/23/05 Sampling Time: 1330 Depth to Water: —

Sample I.D.: MW-G Laboratory: 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 #: 050323-WC2	Site: 610 Market St., Oakland
Sampler: we	Date: 3/23/05
Well I.D.: MW-7	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 18.33	Depth to Water (DTW): 11.16
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.59	

Purge Method:	Bailer	Waterra	Sampling Method:	Bailer
	Disposable Bailer	Peristaltic		Disposable Bailer
	Positive Air Displacement	Extraction Pump		Extraction Port
	Electric Submersible	Other		Dedicated Tubing
		Other:		
$\frac{4.6 \text{ (Gals.)} \times 3}{1 \text{ Case Volume} \quad \text{Specified Volumes}} = 13.8 \text{ Gals.}$		Calculated Volume	Well Diameter	Multiplier
			1"	0.04
			2"	0.16
			3"	0.37
			4"	0.65
			6"	1.47
			Other	$\text{radius}^2 * 0.163$

Time	Temp (°F)	pH	Cond. (mS or DS)	Turbidity (NTUs)	Gals. Removed	Observations
1446	66.3	6.5	857	45	5	clear/odor
1447	66.1	6.5	851	126	10	"
1448	65.9	6.6	846	212	14	"
						DTW=13.46

Did well dewater? Yes Gallons actually evacuated: 14

Sampling Date: 3/23/05 Sampling Time: 1525 Depth to Water: 11.54

Sample I.D.: MW-7 Laboratory: ST 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 #: 050323-wc2	Site: 615 Market St, Oakland		
Sampler: wc	Date: 3/23/05		
Well I.D.: MW-8	Well Diameter: 2 3 <u>4</u> 6 8		
Total Well Depth (TD): —	Depth to Water (DTW): 13.79		
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	Sampling Method:	Bailer Disposable Bailer Extraction Port Dedicated Tubing
	Other		Other:	
1 Case Volume	Gals.	Specified Volumes	Gals.	Calculated Volume
Well Diameter	Multiplier	Well Diameter	Multiplier	
1"	0.04	4"	0.65	
2"	0.16	6"	1.47	
3"	0.37	Other	radius ² * 0.163	

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1513	66.0	6.3	926	81	—	clear/pinkish

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 3/23/05 Sampling Time: 1515 Depth to Water: 13.79

Sample I.D.: MW-8 Laboratory: STL Other: _____

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

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

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

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

WELL GAUGING DATA

Project # 050223-112 Date 2/23/05 Client Shw

Site 601D Market, Oakland

SHELL WELL MONITORING DATA SHEET

BTS #: 050229-MT2	Site: 98995750
Sampler: M.T.	Date: 2/28/05
Well I.D.: MW-1	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 24.60	Depth to Water (DTW): 12.45
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]: 14.95	

Purge Method:	Bailer Disposable Bailer Positive Air Displacement Electric Submersible		Sampling Method:	Bailer Disposable Bailer Extraction Port Dedicated Tubing																
1 Case Volume	7.9 (Gals.) X 3 = 23.7 Gals.		Other:																	
				<table border="1"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier																	
1"	0.04	4"	0.65																	
2"	0.16	6"	1.47																	
3"	0.37	Other	radius ² * 0.163																	

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1239	69.0	6.3	896	170	7.9	
1242	69.9	6.0	893	AD.3	15.8	
1245	69.5	6.0	899	29.7	23.7	

Did well dewater? Yes No Gallons actually evacuated: 23.7

Sampling Date: 2/28/05 Sampling Time: 12:50 Depth to Water: 14.85

Sample I.D.: MW-1 Laboratory: STI 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 #: 050229-MT2	Site: 98995750
Sampler: M.T.	Date: 2/28/05
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD):	Depth to Water (DTW): 9.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	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:	Bailer Disposable Bailer Extraction Port Dedicated Tubing																
		Other: _____																		
(Gals.) X 3 = Gals.		<table border="1"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>			Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65																	
2"	0.16	6"	1.47																	
3"	0.37	Other	radius ² * 0.163																	
1 Case Volume	Specified Volumes	Calculated Volume																		

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	System	Not Running, NO purging & Sampling				

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 2/28/05	Sampling Time:	Depth to Water:
Sample I.D.: MW-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 #: 050229-MT2	Site: 99995750
Sampler: M.T.	Date: 2/28/05
Well I.D.: MW-3	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): —	Depth to Water (DTW): 9.60
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	Waterra	Sampling Method:
	Disposable Bailer	Peristaltic	Bailer
	Positive Air Displacement	Extraction Pump	Disposable Bailer
	Electric Submersible	Other _____	Extraction Port
			Dedicated Tubing
			Other: _____
(Gals.) X	<u>3</u>	=	Gals.
1 Case Volume	Specified Volumes	Calculated Volume	Well Diameter Multiplier Well Diameter Multiplier 1" 0.04 4" 0.65 2" 0.16 6" 1.47 3" 0.37 Other radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<i>System Not Running, No Sample</i>						

Did well dewater?	Yes	No	Gallons actually evacuated:	
Sampling Date:	2/28/05	Sampling Time:	Depth to Water:	
Sample I.D.:	MW-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

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

SHELL WELL MONITORING DATA SHEET

BTS #: 050228-MT2	Site: 9995750		
Sampler: M.T.	Date: 2/28/05		
Well I.D.: MW-4	Well Diameter: 2 3 4 6 8		
Total Well Depth (TD): 19.80	Depth to Water (DTW): 9.20		
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]: 11.32			

Purge Method: Bailer
 Disposable Bailer
 Positive Air Displacement
Electric Submersible Waterra Sampling Method:
 Peristaltic Extraction Pump Other _____ Bailer
 Extraction Port Dedicated Tubing

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

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1159	65.9	6.7	561	>1000	6.9	
1201	65.5	6.9	565	>1000	13.8	
1203	65.4	7.0	569	>1000	20.7	

Did well dewater? Yes No Gallons actually evacuated: 20.7

Sampling Date: 2/28/05 Sampling Time: 1205 Depth to Water: 11.99

Sample I.D.: MW-4 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 #: 050229-MT2	Site: 99995760	
Sampler: M.T.	Date: 2/28/05	
Well I.D.: W-5	Well Diameter: 2 3 4 6 8	
Total Well Depth (TD): 20.05	Depth to Water (DTW): 9.50	
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]: 11.10		

Purge Method:	Bailer	Waterra	Sampling Method:	Bailer
Disposable Bailer		Peristaltic	Disposable Bailer	
Positive Air Displacement		Extraction Pump	Extraction Port	
Electric Submersible		Other _____	Dedicated Tubing	
			Other: _____	

109 (Gals.) X	3	=	327 Gals.
1 Case Volume	Specified Volumes	Calculated Volume	

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1218	67.1	7.1	1030	10.1	6.9	
1220	66.3	7.1	1040	23.7	13.8	
1222	66.7	7.1	1047	300	20.7	

Did well dewater? Yes Gallons actually evacuated: 10.7

Sampling Date: 2/28/05 Sampling Time: 1225 Depth to Water: 12.92

Sample I.D.: W-5 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 #: <i>050229-MT2</i>	Site: <i>99995750</i>
Sampler: <i>M.T.</i>	Date: <i>2/28/05</i>
Well I.D.: <i>MW-6</i>	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): —	Depth to Water (DTW): <i>9.58</i>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	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:	Bailer Disposable Bailer Extraction Port Dedicated Tubing
<i>(Gals.) X</i> 3		<i>= Gals.</i>		
1 Case Volume	Specified Volumes	Calculated Volume	Well Diameter	Multiplier
			1"	0.04
			2"	0.16
			3"	0.37
			4"	0.65
			6"	1.47
			Other	$\text{radius}^2 * 0.163$

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						<i>System Not Running, No Sample</i>

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: *2/28/05* Sampling Time: Depth to Water:

Sample I.D.: *MW-6* Laboratory: **STL** Other _____

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

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

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

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

O.R.P. (if req'd): Pre-purge: **mV** Post-purge: **mV**

SHELL WELL MONITORING DATA SHEET

BTS #: 050228-MT2	Site: 99995750
Sampler: M.T.	Date: 2/28/05
Well I.D.: W-7	Well Diameter: 2 3 4 6 8
Total Well Depth (TD):	Depth to Water (DTW): 10.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	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	Wateria Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____																
(Gals.) X 3 = Gals.		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>$\text{radius}^2 * 0.163$</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	$\text{radius}^2 * 0.163$
Well Diameter	Multiplier	Well Diameter	Multiplier															
1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	$\text{radius}^2 * 0.163$															
1 Case Volume	Specified Volumes	Calculated Volume																

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<i>System Not Running, No Sample</i>						

Did well dewater?	Yes	No	Gallons actually evacuated:
Sampling Date: 2/28/05	Sampling Time:	Depth to Water:	
Sample I.D.: W-7	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		

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SHELL WELL MONITORING DATA SHEET

BTS #: 050229-MT2	Site: 9895750
Sampler: M.T.	Date: 2/28/05
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD):	Depth to Water (DTW): 10.15
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: Bailer Disposable Bailer Extraction Port Dedicated Tubing																
(Gals.) X <u>3</u> = <u> </u> Gals. 1 Case Volume Specified Volumes Calculated Volume		<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>$\text{radius}^2 * 0.163$</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	$\text{radius}^2 * 0.163$
Well Diameter	Multiplier	Well Diameter	Multiplier															
1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	$\text{radius}^2 * 0.163$															

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						<i>System Not Running, No Sample</i>

Did well dewater?	Yes	No	Gallons actually evacuated:		
Sampling Date: 2/28/05	Sampling Time:		Depth to Water:		
Sample I.D.: MW-8	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	

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SHELL WELL MONITORING DATA SHEET

BTS #: 050229-MT2	Site: 98995250
Sampler: M.T.	Date: 2/28/05
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 19.75	Depth to Water (DTW): 12.1
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.12	

Purge Method:	Bailer	Waterra	Sampling Method:	Bailer
Disposable Bailer		Peristaltic		Disposable Bailer
Positive Air Displacement		Extraction Pump		Extraction Port
Electric Submersible		Other _____		Dedicated Tubing
			Other: _____	

6.2	(Gals.) X	3	=	18.6	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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1259	67.1	6.7	479	11.3	6.2	
1302	67.0	6.7	653	>1000	12.4	
1305	67.0	6.6	1050	>1000	13.0	

Did well dewater? Yes No Gallons actually evacuated: 18.6

Sampling Date: 2/28/05 Sampling Time: 1310 Depth to Water: 12.10

Sample I.D.: MW-9 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