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Denis L. Brown

December 5, 2005

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: Fourth Quarter 2005 Monitoring Report
Shell-branded Service Station
105 Fifth Street
Oakland, California
SAP Code 135700
Incident No. 98995757

Alameda County
DEC 08 2005
Environmental Health

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

December 5, 2005

Jerry Wickham
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
105 Fifth Street
Oakland, California
Incident #98995757
Cambria Project #247-0472-002
ACHCSA Case # RO-0487



Dear Mr. Wickham:

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

HISTORICAL REMEDIATION SUMMARY

Mobile dual-phase vacuum extraction (DVE) was performed at the site from April to October 2000 and once in March 2001. Mobile DVE is the process of applying a high vacuum through an airtight well seal to simultaneously extract soil vapors from the vadose zone and enhance groundwater extraction (GWE) from the saturated zone. Between April 2000 and March 2001, the DVE process removed an estimated 14.59 pounds (lbs) of total petroleum hydrocarbons as gasoline (TPHg) and 14.50 lbs of methyl tertiary butyl ether (MTBE) from monitoring wells MW-2 and MW-3. DVE was discontinued due to limited chemical recovery.

FOURTH QUARTER 2005 ACTIVITIES

**Cambria
Environmental
Technology, Inc.**

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

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. Cambria prepared a vicinity map showing previously submitted well survey data (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.

Monitoring Well Survey: On September 27, 2005, Virgil Chavez Land Surveying surveyed tank backfill well T-1 to a local benchmark. The survey results are presented as Attachment B.

Periodic GWE: Beginning in November 2001, Phillips Services Corporation of Benicia, California conducted semi-monthly mobile GWE events from tank backfill well T-1. Mobile GWE vacuum operations consist of lowering dedicated stingers into selected monitoring wells and extracting fluids using a vacuum truck. The volume of extracted fluid is recorded and used to calculate the quantity of aqueous-phase hydrocarbon removed from the subsurface. These events were temporarily discontinued in April 2002 in anticipation of installing a fixed GWE system. GWE resumed in May 2002 using vacuum trucks provided by Onyx Industrial Services of Benicia, California. Well MW-3 was added to the extraction program in June 2003, and well MW-2 was added in July 2003. We obtained an encroachment permit from the City of Oakland and began including off-site well MW-6 in the extraction program on August 21, 2003. Extraction from well MW-6 was discontinued after the October 2, 2003 event due to low groundwater production. Due to minimal remaining MTBE concentrations, well T-1 was removed from the extraction program after the September 18, 2003 event, and well MW-2 was removed after the November 20, 2003 event.

Based on the low MTBE concentration in MW-3 during the first quarter 2005 (180 parts per billion [ppb] on April 15, 2005), Cambria reduced periodic GWE frequency from semi-monthly to monthly in July 2005. The current MTBE concentration in MW-3 is 2,600 ppb. T-1 was added to the periodic GWE scope of work again in October 2005. Table 1 presents mass removal data from the periodic GWE events. As of October 17, 2005, a total of 174,248 gallons of water has been extracted, resulting in the removal of 8.5 lbs of TPHg and 66.2 lbs of MTBE.

GWE System Installation: We have received all necessary permits for constructing a fixed GWE system. Groundwater monitoring results presented in this report display trends which show a continued substantial decrease in MTBE concentrations. The MTBE concentration in tank backfill well T-1 has decreased from 29,000 ppb during the fourth quarter of 2002 to 11 ppb this quarter. The concentration in well MW-3 has decreased from 44,000 ppb during the fourth quarter of 2002 to 2,600 ppb this quarter.

Shell will continue to maintain the permits for installing the GWE system, but will not install it at this time, pending evaluation of additional quarterly groundwater monitoring data.

ANTICIPATED FIRST QUARTER 2006 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample all wells, and tabulate the data. Cambria will prepare a monitoring report.

Periodic GWE: Monthly extraction events from wells MW-3 and T-1 will continue. We will continue evaluating future groundwater sampling data and adjust the extraction program as warranted.



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

Matthew W. Derby, P.E.
Senior Project Engineer

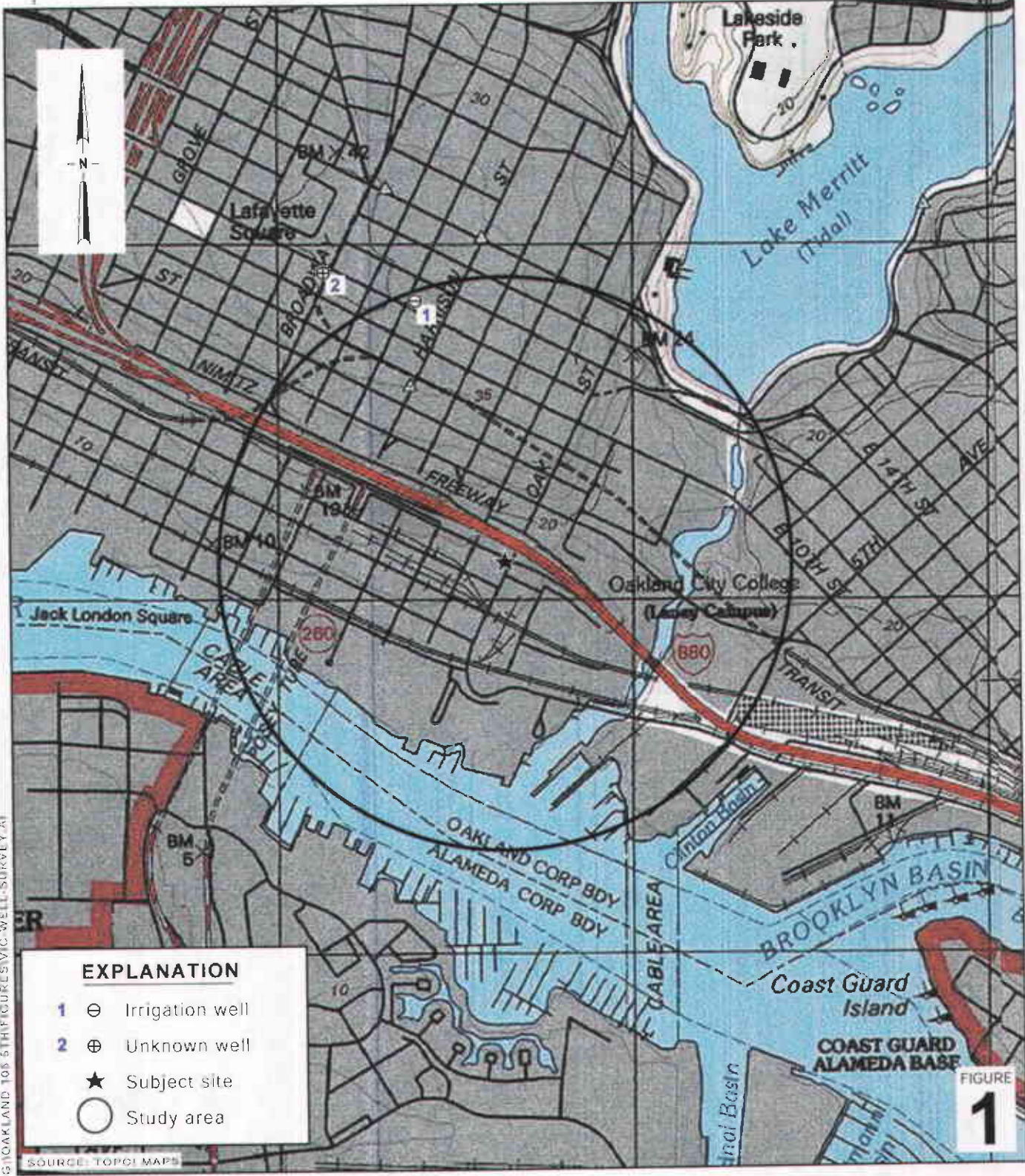


Figures: 1 - Vicinity/Well Survey Map
2 - Groundwater Elevation Contour Map

Table: 1 - Groundwater Extraction – Mass Removal Data

Attachments: A - Blaine Groundwater Monitoring Report and Field Notes
B - Virgil Chavez Land Surveying - Monitoring Well Survey

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Arthur R. and Mary A. Hansen, Trs., et al, 820 Loyola Drive, Los Altos, CA 94024



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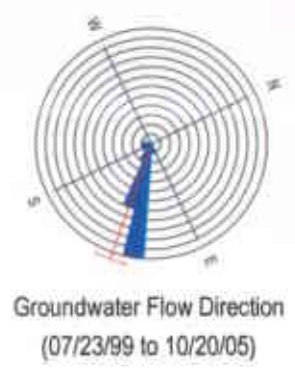
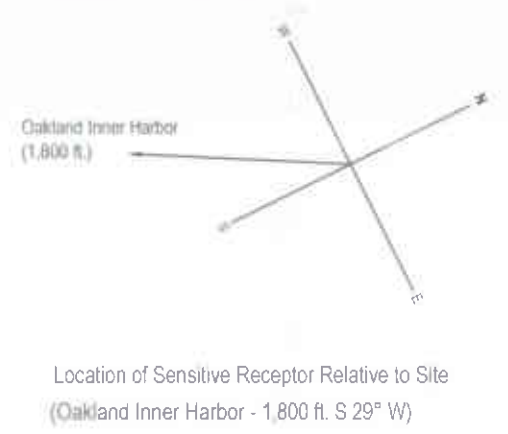
SOURCE: TOPOGI MAPS

Shell-branded Service Station
 105 Fifth Street
 Oakland, California
 Incident No.98995757



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

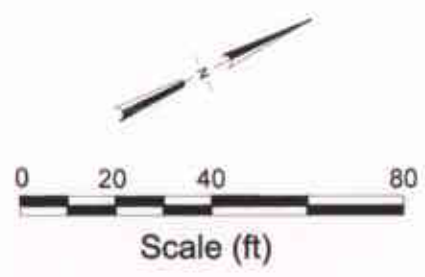
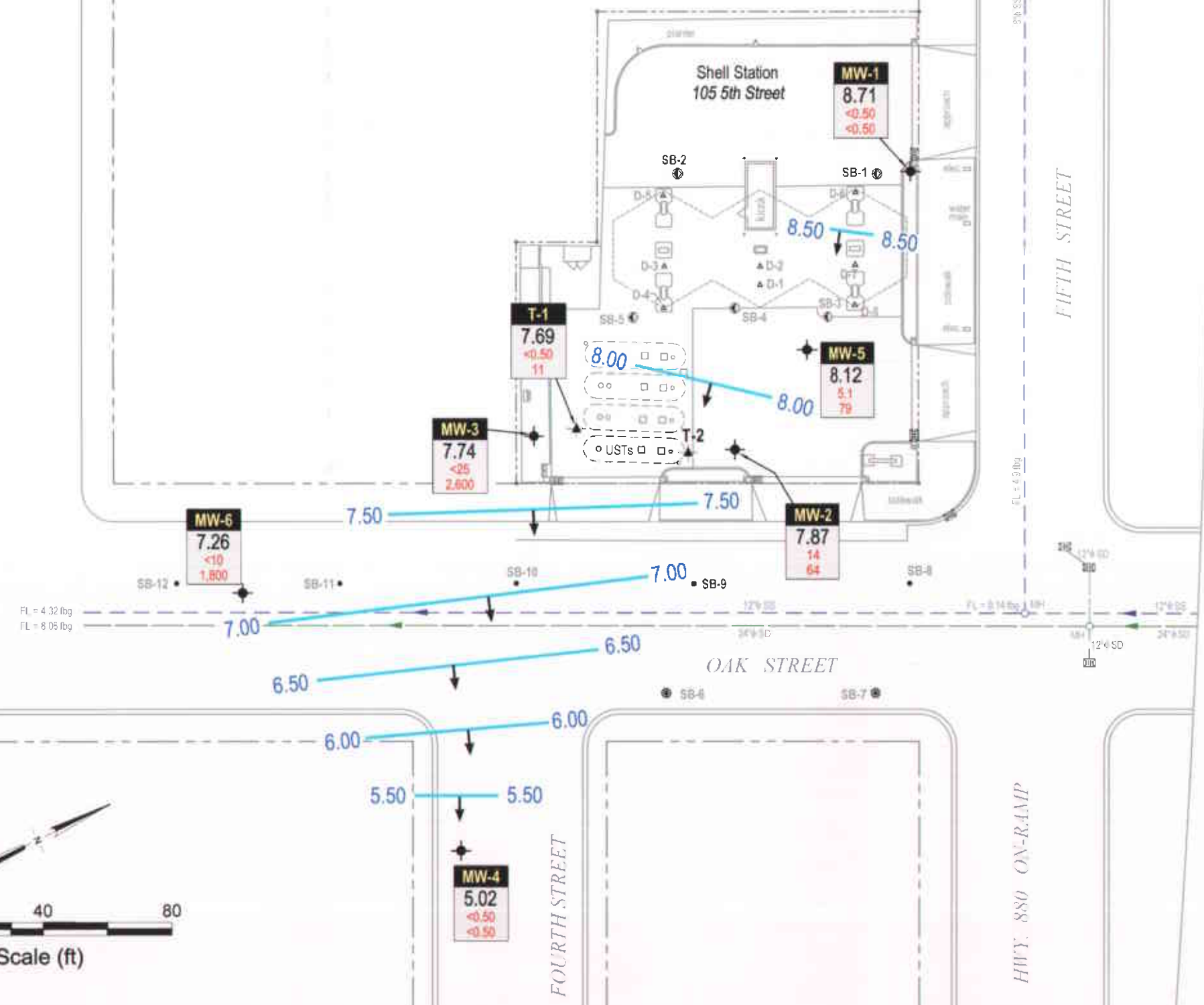
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EXPLANATION

- MW-1 ◆ Monitoring well location
 - T-1 ▲ Tank backfill well location
 - SB-1 ● Soil boring location (7/98)
 - SB-6 ● Soil boring location (2/01)
 - SB-8 ● Soil boring location (3/02)
 - D-1 ▲ Soil sample location
 - Groundwater flow direction
 - XX.XX Groundwater elevation contour, in feet above mean sea level (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.
 - Storm drain line (SD)
 - Sanitary sewer line (SS)
 - Flow direction
 - Manhole
 - Storm drain inlet
 - Feet below grade

Note: All utility locations are approximate.



Groundwater Elevation Contour Map

October 20, 2005



C A M B R I A

Shell-branded Service Station

105 Fifth Street
 Oakland, California
 Incident No. 98995757

FIGURE 2

Table 1: Periodic Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995757, 105 Fifth Street, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPHg			Benzene			MTBE		
					TPHg Concentration (ppb)	TPHg Removed (pounds)	TPHg Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
07/29/03	MW-2	500	500	07/22/03	2,300	0.00960	0.00960	76	0.00032	0.00032	3,700	0.01544	0.01544
08/09/03	MW-2	250	750	07/22/03	2,300	0.00480	0.01439	76	0.00016	0.00048	3,700	0.00772	0.02316
08/21/03	MW-2	150	900	07/22/03	2,300	0.00288	0.01727	76	0.00010	0.00057	3,700	0.00463	0.02779
09/04/03	MW-2	687	1,587	07/22/03	2,300	0.01318	0.03046	76	0.00044	0.00101	3,700	0.02121	0.04900
09/18/03	MW-2	200	1,787	07/22/03	2,300	0.00384	0.03430	76	0.00013	0.00113	3,700	0.00617	0.05517
10/02/03	MW-2	234	2,021	07/22/03	2,300	0.00449	0.03879	76	0.00015	0.00128	3,700	0.00722	0.06240
10/16/03	MW-2	250	2,271	10/09/03	150	0.00031	0.03910	3.9	0.00001	0.00129	210	0.00044	0.06283
11/06/03	MW-2	250	2,521	10/09/03	150	0.00031	0.03941	3.9	0.00001	0.00130	210	0.00044	0.06327
11/20/03	MW-2	275	2,796	10/09/03	150	0.00034	0.03976	3.9	0.00001	0.00131	210	0.00048	0.06375
05/27/03	MW-3	0	0	04/30/03	<25,000	0.00000	0.00000	<250	0.00000	0.00000	14,000	0.00000	0.00000
06/10/03	MW-3	200	200	04/30/03	<25,000	0.02086	0.02086	<250	0.00021	0.00021	14,000	0.02336	0.02336
06/24/03	MW-3	800	1,000	04/30/03	<25,000	0.08344	0.10430	<250	0.00083	0.00104	14,000	0.09346	0.11682
07/09/03	MW-3	990	1,990	04/30/03	<25,000	0.10326	0.20757	<250	0.00103	0.00208	14,000	0.11565	0.23247
07/29/03	MW-3	600	2,590	07/22/03	<5,000	0.01252	0.22008	<50	0.00013	0.00220	17,000	0.08511	0.31759
08/09/03	MW-3	500	3,090	07/22/03	<5,000	0.01043	0.23051	<50	0.00010	0.00231	17,000	0.07093	0.38851
08/21/03	MW-3	250	3,340	07/22/03	<5,000	0.00522	0.23573	<50	0.00005	0.00236	17,000	0.03546	0.42398
09/04/03	MW-3	687	4,027	07/22/03	<5,000	0.01433	0.25006	<50	0.00014	0.00250	17,000	0.09745	0.52143
09/18/03	MW-3	600	4,627	07/22/03	<5,000	0.01252	0.26258	<50	0.00013	0.00263	17,000	0.08511	0.60654
10/02/03	MW-3	233	4,860	07/22/03	<5,000	0.00486	0.26744	<50	0.00005	0.00267	17,000	0.03305	0.63959
10/16/03	MW-3	604	5,464	10/09/03	<5,000	0.01260	0.28004	<50	0.00013	0.00280	14,000	0.07056	0.71015
11/06/03	MW-3	459	5,923	10/09/03	<5,000	0.00958	0.28961	<50	0.00010	0.00290	14,000	0.05362	0.76378
11/20/03	MW-3	322	6,245	10/09/03	<5,000	0.00672	0.29633	<50	0.00007	0.00296	14,000	0.03762	0.80139
12/04/03	MW-3	590	6,835	10/09/03	<5,000	0.01231	0.30864	<50	0.00012	0.00309	14,000	0.06892	0.87032
12/18/03	MW-3	561	7,396	10/09/03	<5,000	0.01170	0.32034	<50	0.00012	0.00320	14,000	0.06554	0.93585
01/02/04	MW-3	496	7,892	10/09/03	<5,000	0.01035	0.33069	<50	0.00010	0.00331	14,000	0.05794	0.99380
01/15/04	MW-3	578	8,470	01/05/04	<5,000	0.01206	0.34274	<50	0.00012	0.00343	4,700	0.02267	1.01646
02/05/04	MW-3	475	8,945	01/05/04	<5,000	0.00991	0.35265	<50	0.00010	0.00353	4,700	0.01863	1.03509
02/19/04	MW-3	650	9,595	01/05/04	<5,000	0.01356	0.36621	<50	0.00014	0.00366	4,700	0.02549	1.06059

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					TPHg Concentration (ppb)	TPHg Removed (pounds)	TPHg Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
03/04/04	MW-3	592	10,187	01/05/04	<5,000	0.01235	0.37856	<50	0.00012	0.00379	4,700	0.02322	1.08380
03/18/04	MW-3	631	10,818	01/05/04	<5,000	0.01316	0.39173	<50	0.00013	0.00392	4,700	0.02475	1.10855
04/01/04	MW-3	532	11,350	01/05/04	<5,000	0.01110	0.40282	<50	0.00011	0.00403	4,700	0.02086	1.12941
04/15/04	MW-3	592	11,942	04/12/04	<25,000	0.06175	0.46457	<250	0.00062	0.00465	23,000	0.11362	1.24303
05/06/04	MW-3	552	12,494	04/12/04	<25,000	0.05758	0.52215	<250	0.00058	0.00522	23,000	0.10594	1.34897
05/20/04	MW-3	432	12,926	04/12/04	<25,000	0.04506	0.56721	<250	0.00045	0.00567	23,000	0.08291	1.43188
06/04/04	MW-3	614	13,540	04/12/04	<25,000	0.06404	0.63125	<250	0.00064	0.00631	23,000	0.11784	1.54972
06/17/04	MW-3	447	13,987	04/12/04	<25,000	0.04662	0.67787	<250	0.00047	0.00678	23,000	0.08579	1.63551
07/01/04	MW-3	569	14,556	04/12/04	<25,000	0.05935	0.73722	<250	0.00059	0.00737	23,000	0.10920	1.74471
07/15/04	MW-3	664	15,220	07/02/04	<10,000	0.02770	0.76493	<100	0.00028	0.00765	18,000	0.09973	1.84444
08/05/04	MW-3	625	15,845	07/02/04	<10,000	0.02608	0.79100	<100	0.00026	0.00791	18,000	0.09387	1.93832
08/20/04	MW-3	676	16,521	07/02/04	<10,000	0.02820	0.81921	<100	0.00028	0.00819	18,000	0.10153	2.03985
09/02/04	MW-3	780	17,301	07/02/04	<10,000	0.03254	0.85175	<100	0.00033	0.00852	18,000	0.11715	2.15700
09/16/04	MW-3	635	17,936	07/02/04	<10,000	0.02649	0.87824	<100	0.00026	0.00878	18,000	0.09538	2.25238
10/07/04	MW-3	519	18,455	07/02/04	<10,000	0.02165	0.89990	<100	0.00022	0.00900	18,000	0.07795	2.33033
10/21/04	MW-3	622	19,077	10/08/04	<10,000	0.02595	0.92585	<100	0.00026	0.00926	29,000	0.15052	2.48085
11/04/04	MW-3	681	19,758	10/08/04	<10,000	0.02841	0.95426	<100	0.00028	0.00954	29,000	0.16479	2.64564
11/18/04	MW-3	1,500	21,258	10/08/04	<10,000	0.06258	1.01684	<100	0.00063	0.01017	29,000	0.36298	3.00862
12/02/04	MW-3	718	21,976	10/08/04	<10,000	0.02996	1.04680	<100	0.00030	0.01047	29,000	0.17375	3.18237
12/16/04	MW-3	876	22,852	10/08/04	<10,000	0.03655	1.08335	<100	0.00037	0.01083	29,000	0.21198	3.39435
01/06/05	MW-3	696	23,548	10/08/04	<10,000	0.02904	1.11239	<100	0.00029	0.01112	29,000	0.16842	3.56277
01/20/05	MW-3	663	24,211	01/10/05	<10,000	0.02766	1.14005	<100	0.00028	0.01140	13,000	0.07192	3.63469
02/03/05	MW-3	288	24,499	01/10/05	<10,000	0.01202	1.15206	<100	0.00012	0.01152	13,000	0.03124	3.66593
02/20/05	MW-3	266	24,765	01/10/05	<10,000	0.01110	1.16316	<100	0.00011	0.01163	13,000	0.02885	3.69479
03/03/05	MW-3	614	25,379	01/10/05	<10,000	0.02562	1.18878	<100	0.00026	0.01189	13,000	0.06660	3.76139
03/17/05	MW-3	528	25,907	01/10/05	<10,000	0.02203	1.21081	<100	0.00022	0.01211	13,000	0.05728	3.81867
04/06/05	MW-3	651	26,558	01/10/05	<10,000	0.02716	1.23797	<100	0.00027	0.01238	13,000	0.07062	3.88928
04/21/05	MW-3	698	27,256	04/15/05	510	0.00297	1.24094	140	0.00082	0.01320	180	0.00105	3.89033
05/05/05	MW-3	435	27,691	04/15/05	510	0.00185	1.24279	140	0.00051	0.01370	180	0.00065	3.89099

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					TPHg Concentration (ppb)	TPHg Removed (pounds)	TPHg Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
05/19/05	MW-3	641	28,332	04/15/05	510	0.00273	1.24552	140	0.00075	0.01445	180	0.00096	3.89195
06/02/05	MW-3	687	29,019	04/15/05	510	0.00292	1.24844	140	0.00080	0.01525	180	0.00103	3.89298
06/16/05	MW-3	658	29,677	04/15/05	510	0.00280	1.25124	140	0.00077	0.01602	180	0.00099	3.89397
07/07/05	MW-3	600	30,277	04/15/05	510	0.00255	1.25380	140	0.00070	0.01672	180	0.00090	3.89487
08/12/05	MW-3	607	30,884	07/15/05	<2,500	0.00633	1.26013	<25	0.00006	0.01679	3,700	0.01874	3.91361
09/19/05	MW-3	408	31,292	07/15/05	<2,500	0.00426	1.26438	<25	0.00004	0.01683	3,700	0.01260	3.92621
10/17/05	MW-3	1,361	32,653	07/15/05	<2,500	0.01420	1.27858	<25	0.00014	0.01697	3,700	0.04202	3.96823
08/21/03	MW-6	50	50	07/22/03	<500	0.00010	0.00010	<5.0	0.00000	0.00000	1,300	0.00054	0.00054
09/04/03	MW-6	683	733	07/22/03	<500	0.00142	0.00153	<5.0	0.00001	0.00002	1,300	0.00741	0.00795
10/02/03	MW-6	234	967	07/22/03	<500	0.00049	0.00202	<5.0	0.00000	0.00002	1,300	0.00254	0.01049
10/16/03	MW-6	0	967	10/09/03	<1,000	0.00000	0.00202	<10	0.00000	0.00002	3,000	0.00000	0.01049
11/26/01	T-1 ^a	2,700	2,700	10/23/01	<50,000	0.56324	0.56324	<250	0.00282	0.00282	180,000	4.05536	4.05536
12/10/01	T-1 ^a	2,750	5,450	10/23/01	<50,000	0.57367	1.13692	<250	0.00287	0.00568	180,000	4.13046	8.18581
12/26/01	T-1 ^a	2,800	8,250	10/23/01	<50,000	0.58410	1.72102	<250	0.00292	0.00861	180,000	4.20556	12.39137
01/09/02	T-1	5,184	13,434	01/07/02	<20,000	0.43257	2.15359	310	0.01341	0.02201	92,000	3.97966	16.37103
01/23/02	T-1	4,250	17,684	01/07/02	<20,000	0.35464	2.50823	310	0.01099	0.03301	92,000	3.26264	19.63367
02/06/02	T-1	4,000	21,684	01/07/02	<20,000	0.33377	2.84200	310	0.01035	0.04336	92,000	3.07072	22.70439
02/20/02	T-1	3,000	24,684	01/07/02	<20,000	0.25033	3.09233	310	0.00776	0.05112	92,000	2.30304	25.00743
03/06/02	T-1	4,500	29,184	01/07/02	<20,000	0.37550	3.46783	310	0.01164	0.06276	92,000	3.45456	28.46200
03/20/02	T-1	5,000	34,184	01/07/02	<20,000	0.41722	3.88505	310	0.01293	0.07569	92,000	3.83840	32.30040
04/03/02	T-1	5,200	39,384	01/07/02	<20,000	0.43391	4.31896	310	0.01345	0.08914	92,000	3.99194	36.29234
04/17/02	T-1	4,800	44,184	04/12/02	<5,000	0.10013	4.41909	230	0.00921	0.09835	57,000	2.28302	38.57536
06/03/02	T-1	3,539	47,723	04/12/02	<5,000	0.07383	4.49291	230	0.00679	0.10515	57,000	1.68325	40.25861
06/17/02	T-1	5,000	52,723	04/12/02	<5,000	0.10430	4.59722	230	0.00960	0.11474	57,000	2.37814	42.63675
07/01/02	T-1	2,873	55,596	04/12/02	<5,000	0.05993	4.65715	230	0.00551	0.12026	57,000	1.36648	44.00323
07/15/02	T-1	4,000	59,596	07/10/02	<20,000	0.33377	4.99093	260	0.00868	0.12893	69,000	2.30304	46.30627
08/12/02	T-1	3,900	63,496	07/10/02	<20,000	0.32543	5.31636	260	0.00846	0.13739	69,000	2.24547	48.55174

Table 1: Periodic Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995757, 105 Fifth Street, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPHg			Benzene			MTBE			
					TPHg Concentration (ppb)	TPHg Removed (pounds)	TPHg Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)	
08/26/02	T-1	2,367	65,863	07/10/02	<20,000	0.19751	5.51387	260	0.00514	0.14253	69,000	1.36283	49.91456	
09/09/02	T-1	1,959	67,822	07/10/02	<20,000	0.16347	5.67733	260	0.00425	0.14678	69,000	1.12791	51.04248	
09/23/02	T-1	5,000	72,822	07/10/02	<20,000	0.41722	6.09455	260	0.01085	0.15763	69,000	2.87880	53.92128	
10/09/02	T-1	4,500	77,322	07/10/02	<20,000	0.37550	6.47005	260	0.00976	0.16739	69,000	2.59092	56.51220	
10/22/02	T-1	4,500	81,822	10/15/02	<5,000	0.09387	6.56392	150	0.00563	0.17302	29,000	1.08894	57.60114	
11/05/02	T-1	2,384	84,206	10/15/02	<5,000	0.04973	6.61365	150	0.00298	0.17601	29,000	0.57690	58.17804	
11/19/02	T-1	4,375	88,581	10/15/02	<5,000	0.09127	6.70492	150	0.00548	0.18148	29,000	1.05869	59.23673	
12/09/02	T-1	2,341	90,922	10/15/02	<5,000	0.04884	6.75376	150	0.00293	0.18441	29,000	0.56649	59.80322	
12/23/02	T-1	2,341	93,263	10/15/02	<5,000	0.04884	6.80259	150	0.00293	0.18734	29,000	0.56649	60.36971	
01/06/03	T-1 ^b	2,341	95,604	10/15/02	<5,000	0.04884	6.85143	1.5	0.00003	0.18737	29,000	0.56649	60.93620	
01/28/03	T-1 ^b	4,500	100,104	10/15/02	<5,000	0.09387	6.94530	1.5	0.00006	0.18743	29,000	1.08894	62.02514	
02/10/03	T-1	4,500	104,604	01/29/03	1,300	0.04881	6.99411	67	0.00252	0.18994	820	0.03079	62.05593	
03/10/03	T-1	3,539	108,143	01/29/03	1,300	0.03839	7.03250	67	0.00198	0.19192	820	0.02422	62.08014	
04/08/03	T-1	300	108,443	01/29/03	1,300	0.00325	7.03576	67	0.00017	0.19209	820	0.00205	62.08219	
05/05/03	T-1	3,500	111,943	04/30/03	360	0.01051	7.04627	45	0.00131	0.19340	89	0.00260	62.08479	
05/27/03	T-1	4,500	116,443	04/30/03	360	0.01352	7.05979	45	0.00169	0.19509	89	0.00334	62.08814	
06/10/03	T-1	4,600	121,043	04/30/03	360	0.01382	7.07361	45	0.00173	0.19682	89	0.00342	62.09155	
06/24/03	T-1	1,428	122,471	04/30/03	360	0.00429	7.07790	45	0.00054	0.19736	89	0.00106	62.09261	
07/09/03	T-1	2,600	125,071	04/30/03	360	0.00781	7.08571	45	0.00098	0.19833	89	0.00193	62.09454	
07/29/03	T-1	2,492	127,563	07/22/03	1,200	0.02495	7.11066	170	0.00354	0.20187	150	0.00312	62.09766	
08/09/03	T-1	2,082	129,645	07/22/03	1,200	0.02085	7.13151	170	0.00295	0.20482	150	0.00261	62.10027	
08/21/03	T-1	2,500	132,145	07/22/03	1,200	0.02503	7.15654	170	0.00355	0.20837	150	0.00313	62.10340	
09/04/03	T-1	687	132,832	07/22/03	1,200	0.00688	7.16342	170	0.00097	0.20934	150	0.00086	62.10426	
09/18/03	T-1	1,000	133,832	07/22/03	1,200	0.01001	7.17343	170	0.00142	0.21076	150	0.00125	62.10551	
10/17/05	T-1	4,000	137,832	07/15/05	490	0.01635	7.18979	1.7	0.00006	0.21082	9.7	0.00032	62.10583	
Total Gallons Extracted:			174,248	Total Pounds Removed:			8.51014	Total Pounds Removed:			0.22912	Total Pounds Removed:		66.14830
				Total Gallons Removed:			1.39511				0.03139			10.66908

Table 1: Periodic Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995757, 105 Fifth Street, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	<u>TPHg</u>			<u>Benzene</u>			<u>MTBE</u>		
					TPHg Concentration (ppb)	TPHg Removed (pounds)	TPHg Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)

Abbreviations & Notes:

TPHg = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tertiary butyl ether

ppb = Parts per billion

gal = Gallon

a = Concentrations for tank backfill well T-1 estimated from nearest monitoring well MW-3.

b = Tank backfill well T-1 sampled for BTEX (including benzene) on 1/2/03.

Mass removed based on the formula: volume extracted (gal) x Concentration ($\mu\text{g/L}$) x ($\text{g}/10^6\mu\text{g}$) x (pound/453.6g) x (3.785 L/gal)

Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)

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

MTBE analyzed by EPA Method 8260.

Concentrations based on most recent groundwater monitoring results

Groundwater extracted by vacuum trucks provided by Phillips Services Corporation and/or Onyx Industrial Services. Water disposed of at a Martinez Refinery.

If concentration is less than the laboratory detection limit, one half of the detection limit concentration is used in the mass removal calculation.

ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

BLAINE

TECH SERVICES INC

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

November 8, 2005

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

Fourth Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
105 5th Street
Oakland, CA

Monitoring performed on October 20, 2005

Groundwater Monitoring Report **051020-MD-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
105 5th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.22	17.56	-5.34	NA
MW-1	07/23/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.00	NA	NA	NA	NA	NA	NA	NA	12.22	6.45	5.77	NA
MW-1	11/01/1999	100	NA	15.6	3.12	4.04	12.6	6.69	NA	NA	NA	NA	NA	NA	NA	NA	12.22	6.59	5.63	0.5/0.7
MW-1	01/05/2000	<50.0	<20.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	12.22	6.38	5.84	1.2/1.4
MW-1	04/07/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	12.22	5.83	6.39	1.6/2.4
MW-1	07/26/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	12.22	6.10	6.12	1.1/1.4
MW-1	10/28/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	12.22	14.08	-1.86	2.2/2.7
MW-1	01/30/2001	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	12.22	10.71	1.51	1.2/1.6
MW-1	04/17/2001	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	12.22	6.61	5.61	2.4/4.4
MW-1	07/09/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	12.22	6.31	5.91	1.4/3.4
MW-1	10/23/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	12.22	6.24	5.98	2.6/4.1
MW-1	01/07/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	12.22	5.25	6.97	NA
MW-1	04/12/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	14.92	5.54	9.38	NA
MW-1	07/10/2002	<50	74	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	14.92	5.98	8.94	NA
MW-1	10/15/2002	<50	51	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	14.92	5.46	9.46	NA
MW-1	01/29/2003	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	14.92	5.03	9.89	NA
MW-1	04/30/2003	<50	110	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	14.92	4.70	10.22	NA
MW-1	07/22/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	6.05	8.87	NA
MW-1	10/09/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	6.13	8.79	NA
MW-1	01/05/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	5.44	9.48	NA
MW-1	04/12/2004	<50	1,000 c	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	5.75	9.17	NA
MW-1	07/02/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	5.93	8.99	NA
MW-1	10/08/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	5.94	8.98	NA
MW-1	01/10/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	5.17	9.75	NA
MW-1	04/15/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	5.45	9.47	NA
MW-1	07/15/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	5.93	8.99	NA
MW-1	10/20/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	14.92	6.21	8.71	NA
MW-2	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.87	18.24	-7.37	NA
MW-2	07/23/1999	13,800	NA	1,790	<100	<100	682	29,900	29,400	NA	NA	NA	NA	NA	NA	NA	10.87	5.98	4.89	NA
MW-2	11/01/1999	2,420	NA	316	10.8	119	44.2	17,000	NA	NA	NA	NA	NA	NA	NA	NA	10.87	6.03	4.84	0.5/0.3
MW-2	01/05/2000	2,120a	687	301a	<5.00a	116a	84.4a	14,700	NA	NA	NA	NA	NA	NA	NA	NA	10.87	5.90	4.97	2.1/2.6
MW-2	04/07/2000	4,940b	1,300	659b	<25.0b	214b	314b	41,800b	NA	NA	NA	NA	NA	NA	NA	NA	10.87	5.37	5.50	0.4/0.2
MW-2	07/26/2000	5,010	1,520	409	<50.0	302	307	54,300	NA	NA	NA	NA	NA	NA	NA	NA	10.87	5.81	5.06	2.1/2.2

WELL CONCENTRATIONS
Shell-branded Service Station
105 5th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	10/28/2000	1,720	412	82.2	<10.0	46.0	102	9,800	NA	NA	NA	NA	NA	NA	NA	NA	10.87	14.59	-3.72	0.7/0.7
MW-2	01/30/2001	1,640	574	14.7	<5.00	40.1	58.1	3,670	NA	NA	NA	NA	NA	NA	NA	NA	10.87	10.31	0.56	1.8/2.0
MW-2	04/17/2001	598	179	21.8	<2.00	16.9	10.8	5,630	NA	NA	NA	NA	NA	NA	NA	NA	10.87	6.08	4.79	1.5/2.6
MW-2	07/09/2001	<1,000	<500	19	<10	33	15	NA	6,200	NA	NA	NA	NA	NA	NA	NA	10.87	5.70	5.17	1.1/2.0
MW-2	10/23/2001	<5,000	<500	50	<25	92	<25	NA	13,000	<25	<25	<25	820	NA	NA	<500	10.87	5.72	5.15	2.0/3.2
MW-2	01/07/2002	<1,000	<200	<10	<10	<10	<10	NA	4,500	NA	NA	NA	NA	NA	NA	NA	10.87	4.87	6.00	NA
MW-2	04/12/2002	<1,000	<100	14	<10	27	13	NA	6,200	NA	NA	NA	NA	NA	NA	NA	13.57	5.14	8.43	NA
MW-2	07/10/2002	<1,000	290	<10	<10	14	<10	NA	6,100	NA	NA	NA	NA	NA	NA	NA	13.57	5.45	8.12	NA
MW-2	10/15/2002	<100	85	1.2	<1.0	<1.0	<1.0	NA	640	NA	NA	NA	NA	NA	NA	NA	13.57	5.38	8.19	NA
MW-2	01/29/2003	<500	<300	10	<5.0	16	6.3	NA	1,700	NA	NA	NA	NA	NA	NA	NA	13.57	5.14	8.43	NA
MW-2	04/30/2003	<5,000	440	<50	<50	58	<100	NA	5,000	NA	NA	NA	NA	NA	NA	NA	13.57	4.83	8.74	NA
MW-2	07/22/2003	2,300	1,000 c	76	<10	140	<20	NA	3,700	NA	NA	NA	NA	NA	NA	NA	13.57	5.61	7.96	NA
MW-2	10/09/2003	150	120 c	3.9	<1.0	6.4	<2.0	NA	210	NA	NA	NA	NA	NA	NA	NA	13.57	5.59	7.98	NA
MW-2	01/05/2004	1,300	450 c	34	<5.0	53	<10	NA	700	NA	NA	NA	NA	NA	NA	NA	13.57	5.04	8.53	NA
MW-2	04/12/2004	820	320 c	25	<5.0	33	<10	NA	560	NA	NA	NA	NA	NA	NA	NA	13.57	5.26	8.31	NA
MW-2	07/02/2004	2,000	850 c	60	<5.0	110	<10	NA	1,800	<20	<20	<20	6,200	NA	NA	NA	13.57	5.43	8.14	NA
MW-2	10/08/2004	540	210 d	5.2	<5.0	<5.0	<10	NA	90	NA	NA	NA	NA	NA	NA	NA	13.57	5.41	8.16	NA
MW-2	01/10/2005	990	400 d	19	<2.0	27	25	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	13.57	4.74	8.83	NA
MW-2	04/15/2005	1,200	650 c	44	<10	45	<20	NA	760	NA	NA	NA	NA	NA	NA	NA	13.57	5.05	8.52	NA
MW-2	07/15/2005	<200	320 d	14	<2.0	7.3	<4.0	NA	110	<8.0	<8.0	<8.0	1,800	NA	NA	NA	13.57	5.35	8.22	NA
MW-2	10/20/2005	430	350 c	14	<2.0	6.7	<4.0	NA	64	NA	NA	NA	NA	NA	NA	NA	13.57	5.70	7.87	NA

MW-3	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11.27	19.07	-7.80	NA
MW-3	07/23/1999	128	NA	<0.500	<0.500	<0.500	<0.500	404,000	324,000	NA	NA	NA	NA	NA	NA	NA	11.27	6.43	4.84	NA
MW-3	11/01/1999	<1,000	NA	<10.0	<10.0	<10.0	<10.0	169,000	224,000	NA	NA	NA	NA	NA	NA	NA	11.27	6.48	4.79	0.5/0.3
MW-3	01/05/2000	137	322	<1.00	<1.00	<1.00	<1.00	165,000	219,000	NA	NA	NA	NA	NA	NA	NA	11.27	6.35	4.92	2.4/2.2
MW-3	04/07/2000	<1,000	264	853	<10.0	<10.0	<10.0	283,000	196,000a	NA	NA	NA	NA	NA	NA	NA	11.27	5.91	5.36	04/0.2
MW-3	07/26/2000	<20,000	585	<200	<200	<200	<200	437,000	320,000	NA	NA	NA	NA	NA	NA	NA	11.27	5.83	5.44	1.9/1.7
MW-3	10/28/2000	<12,500	441	<125	<125	<125	<125	266,000	308,000	NA	NA	NA	NA	NA	NA	NA	11.27	17.51	-6.24	1.1/1.4
MW-3	01/30/2001	<5,000	555	<50.0	<50.0	<50.0	<50.0	248,000	167,000a	NA	NA	NA	NA	NA	NA	NA	11.27	11.43	-0.16	2.0/2.2
MW-3	04/17/2001	<5,000	347	<50.0	<50.0	<50.0	<50.0	134,000	133,000	NA	NA	NA	NA	NA	NA	NA	11.27	6.57	4.70	1.3/1.2
MW-3	07/09/2001	<20,000	250	<200	<200	<200	<200	NA	170,000	NA	NA	NA	NA	NA	NA	NA	11.27	6.12	5.15	1.2/1.9
MW-3	10/23/2001	<50,000	260	<250	<250	<250	<250	NA	180,000	<250	<250	<250	53,000	NA	NA	<5,000	11.27	6.25	5.02	2.2/1.6
MW-3	01/07/2002	<10,000	160	<100	<100	<100	<100	NA	96,000	NA	NA	NA	NA	NA	NA	NA	11.27	5.29	5.98	NA

WELL CONCENTRATIONS
Shell-branded Service Station
105 5th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	04/12/2002	<10,000	87	<100	<100	<100	<100	NA	78,000	NA	NA	NA	NA	NA	NA	NA	13.96	5.43	8.53	NA
MW-3	07/10/2002	<20,000	150	<200	<200	<200	<200	NA	64,000	NA	NA	NA	NA	NA	NA	NA	13.96	6.33	7.63	NA
MW-3	10/15/2002	<10,000	120	<100	<100	<100	<100	NA	44,000	<100	NA	<100	9,100	<100	<100	NA	13.96	5.96	8.00	NA
MW-3	01/02/2003	NA	NA	<5.0	<5.0	<5.0	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.96	5.40	8.56	NA
MW-3	01/29/2003	<2,500	96	<25	<25	<25	<25	NA	19,000	<25	NA	<25	14,000	<25	<25	NA	13.96	5.68	8.28	NA
MW-3	04/30/2003	<25,000	360	<250	<250	<250	<500	NA	14,000	<1,000	NA	<1,000	24,000	<250	<250	NA	13.96	5.34	8.62	NA
MW-3	07/22/2003	<5,000	230 c	<50	<50	<50	<100	NA	17,000	<200	NA	<200	21,000	<50	<50	NA	13.96	6.15	7.81	NA
MW-3	10/09/2003	<5,000	150 c	<50	<50	<50	<100	NA	14,000	<200	NA	<200	11,000	<50	<50	NA	13.96	5.98	7.98	NA
MW-3	01/05/2004	<5,000	790 c	<50	<50	<50	<100	NA	4,700	<200	NA	<200	11,000	<50	<50	NA	13.96	5.45	8.51	NA
MW-3	04/12/2004	<25,000	270 c	<250	<250	<250	<500	NA	23,000	<1,000	NA	<1,000	12,000	<250	<250	NA	13.96	5.66	8.30	NA
MW-3	07/02/2004	<10,000	280 c	<100	<100	<100	<200	NA	18,000	<400	NA	<400	4,500	120	<100	NA	13.96	5.85	8.11	NA
MW-3	10/08/2004	<10,000	250 c	<100	<100	<100	<200	NA	29,000	<400	NA	<400	14,000	<100	<100	NA	13.96	5.88	8.08	NA
MW-3	01/10/2005	<10,000	220 c	<100	<100	<100	<200	NA	13,000	<400	NA	<400	17,000	<100	<100	NA	13.96	5.20	8.76	NA
MW-3	04/15/2005	510	530 c	140	<5.0	<5.0	<10	NA	180	<20	NA	<20	1,600	<5.0	<5.0	NA	13.96	5.51	8.45	NA
MW-3	07/15/2005	<2,500	100 c	<25	42	<25	62	NA	3,700	<100	<100	<100	5,300	<25	<25	NA	13.96	5.75	8.21	NA
MW-3	10/20/2005	<2,500	250 c	<25	<25	<25	<50	NA	2,600	NA	NA	NA	6,300	NA	NA	NA	13.96	6.22	7.74	NA

MW-4	03/23/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.50	8.21	1.29	NA
MW-4	04/17/2001	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	9.50	5.08	4.42	2.4/2.6
MW-4	07/09/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	9.50	4.64	4.86	2.0/1.5
MW-4	10/23/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	9.50	7.90	1.60	2.8/1.8
MW-4	01/07/2002	<50	64	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	9.50	5.00	4.50	NA
MW-4	04/12/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	12.17	7.49	4.68	NA
MW-4	07/10/2002	<50	67	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	12.17	4.75	7.42	NA
MW-4	10/15/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	12.17	4.56	7.61	NA
MW-4	01/29/2003	<50	73	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	12.17	4.34	7.83	NA
MW-4	04/30/2003	<50	140	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	12.17	5.45	6.72	NA
MW-4	07/22/2003	<50	63 c	<0.50	<0.50	<0.50	<1.0	NA	3.1	NA	NA	NA	NA	NA	NA	NA	12.17	6.46	5.71	NA
MW-4	10/09/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	12.17	7.11	5.06	NA
MW-4	01/05/2004	<50	66 c	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	12.17	7.72	4.45	NA
MW-4	04/12/2004	<50	110 c	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	12.17	5.80	6.37	NA
MW-4	07/02/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	12.17	6.24	5.93	NA
MW-4	10/08/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	12.17	7.17	5.00	NA
MW-4	01/10/2005	<50	55 c	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	12.17	5.55	6.62	NA

WELL CONCENTRATIONS
Shell-branded Service Station
105 5th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	04/15/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	12.17	5.89	6.28	NA
MW-4	07/15/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	12.17	7.27	4.90	NA
MW-4	10/20/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	12.17	7.15	5.02	NA
MW-5	03/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.78	5.86	8.92	NA
MW-5	04/12/2002	1,600	<50	25	3.5	44	110	NA	570	NA	NA	NA	NA	NA	NA	NA	14.78	5.96	8.82	NA
MW-5	07/10/2002	930	<400	36	<2.0	93	8.8	NA	630	NA	NA	NA	NA	NA	NA	NA	14.78	6.57	8.21	NA
MW-5	10/15/2002	200	90	9.9	<0.50	19	5.5	NA	180	NA	NA	NA	NA	NA	NA	NA	14.78	6.17	8.61	NA
MW-5	01/29/2003	120	85	6.0	<0.50	2.9	2.6	NA	220	NA	NA	NA	NA	NA	NA	NA	14.78	5.85	8.93	NA
MW-5	04/30/2003	<250	160	5.5	<2.5	7.2	7.7	NA	250	NA	NA	NA	NA	NA	NA	NA	14.78	5.53	9.25	NA
MW-5	07/22/2003	520	190 c	63	<5.0	41	14	NA	810	NA	NA	NA	NA	NA	NA	NA	14.78	6.45	8.33	NA
MW-5	10/09/2003	160	86 c	3.2	<1.0	7.0	3.9	NA	250	NA	NA	NA	NA	NA	NA	NA	14.78	6.54	8.24	NA
MW-5	01/05/2004	290	95 c	11	<2.5	8.5	<5.0	NA	380	NA	NA	NA	NA	NA	NA	NA	14.78	5.90	8.88	NA
MW-5	04/12/2004	280	54 c	9.0	<2.5	12	<5.0	NA	400	NA	NA	NA	NA	NA	NA	NA	14.78	6.19	8.59	NA
MW-5	07/02/2004	860	280 c	34	3.6	42	17	NA	550	<10	<10	<10	400	NA	NA	NA	14.78	6.33	8.45	NA
MW-5	10/08/2004	<250	61 d	<2.5	<2.5	2.6	<5.0	NA	260	NA	NA	NA	NA	NA	NA	NA	14.78	6.32	8.46	NA
MW-5	01/10/2005	<100	110 d	2.7	<1.0	6.0	<2.0	NA	240	NA	NA	NA	NA	NA	NA	NA	14.78	5.65	9.13	NA
MW-5	04/15/2005	160	110 d	7.8	<0.50	15	2.5	NA	160	NA	NA	NA	NA	NA	NA	NA	14.78	5.95	8.83	NA
MW-5	07/15/2005	<50	63 d	3.6	<0.50	3.4	<1.0	NA	99	<2.0	<2.0	<2.0	120	NA	NA	NA	14.78	6.31	8.47	NA
MW-5	10/20/2005	160	120 c	5.1	<0.50	17	1.4	NA	79	NA	NA	NA	NA	NA	NA	NA	14.78	6.66	8.12	NA
MW-6	09/25/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.91	5.50	7.41	NA
MW-6	10/15/2002	<500	72	<5.0	<5.0	<5.0	<5.0	NA	2,600	NA	NA	NA	NA	NA	NA	NA	12.91	5.45	7.46	NA
MW-6	01/29/2003	<250	350	<2.5	<2.5	<2.5	<2.5	NA	1,600	NA	NA	NA	NA	NA	NA	NA	12.91	5.20	7.71	NA
MW-6	04/30/2003	<2,500	220	<25	<25	<25	<50	NA	5,900	NA	NA	NA	NA	NA	NA	NA	12.91	5.11	7.80	NA
MW-6	07/22/2003	<500	<50	<5.0	<5.0	<5.0	<10	NA	1,300	NA	NA	NA	NA	NA	NA	NA	12.91	5.46	7.45	NA
MW-6	10/09/2003	<1,000	<50	<10	<10	<10	<20	NA	3,000	NA	NA	NA	NA	NA	NA	NA	12.91	5.51	7.40	NA
MW-6	01/05/2004	<2,500	78 c	<25	<25	<25	<50	NA	3,600	NA	NA	NA	NA	NA	NA	NA	12.91	5.11	7.80	NA
MW-6	04/12/2004	<2,500	<50	<25	<25	<25	<50	NA	4,300	NA	NA	NA	NA	NA	NA	NA	12.91	5.30	7.61	NA
MW-6	07/02/2004	<2,500	<50	<25	<25	<25	<50	NA	2,900	<100	<100	<100	<250	NA	NA	NA	12.91	5.36	7.55	NA
MW-6	10/08/2004	<2,500	<50	<25	<25	<25	<50	NA	3,100	NA	NA	NA	NA	NA	NA	NA	12.91	5.43	7.48	NA
MW-6	01/10/2005	<1,000	<50	<10	<10	<10	<20	NA	2,600	NA	NA	NA	NA	NA	NA	NA	12.91	5.00	7.91	NA
MW-6	04/15/2005	210	100 d	11	<0.50	19	3.4	NA	180	NA	NA	NA	NA	NA	NA	NA	12.91	5.29	7.62	NA
MW-6	07/15/2005	<1,000	<50	<10	<10	<10	<20	NA	1,200	<20	<40	<40	<100	NA	NA	NA	12.91	5.47	7.44	NA

WELL CONCENTRATIONS
Shell-branded Service Station
105 5th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-6	10/20/2005	<1,000	<50	<10	<10	<10	<20	NA	1,800	NA	NA	NA	NA	NA	NA	NA	12.91	5.65	7.26	NA
T-1	01/07/2002	<20,000	2,600	310	<200	<200	<200	NA	92,000	NA	NA	NA	NA	NA	NA	NA	NA	4.86	NA	NA
T-1	04/12/2002	<5,000	1,000	230	<50	<50	<50	NA	57,000	NA	NA	NA	NA	NA	NA	NA	NA	5.05	NA	NA
T-1	07/10/2002	<20,000	3,700	260	<200	<200	<200	NA	69,000	NA	NA	NA	NA	NA	NA	NA	NA	5.84	NA	NA
T-1	10/15/2002	<5,000	2,100	150	62	<50	75	NA	29,000	NA	NA	NA	NA	NA	NA	NA	NA	5.77	NA	NA
T-1	01/02/2003	NA	NA	1.5	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.10	NA	NA
T-1	01/29/2003	1,300	1,200	67	6.5	<2.0	5.2	NA	820	NA	NA	NA	NA	NA	NA	NA	NA	5.49	NA	NA
T-1	04/30/2003	360	1,000	45	0.60	<0.50	2.3	NA	89	NA	NA	NA	NA	NA	NA	NA	NA	4.91	NA	NA
T-1	07/22/2003	1,200	940 c	170	4.8	<2.5	18	NA	150	NA	NA	NA	NA	NA	NA	NA	NA	5.70	NA	NA
T-1	10/09/2003	700	880 c	32	2.0	<1.0	9.8	NA	140	NA	NA	NA	NA	NA	NA	NA	NA	5.79	NA	NA
T-1	01/05/2004	450	790 c	24	2.1	<1.0	3.2	NA	29	NA	NA	NA	NA	NA	NA	NA	NA	5.16	NA	NA
T-1	04/12/2004	210	530 c	6.4	<1.0	<1.0	<2.0	NA	9.0	NA	NA	NA	NA	NA	NA	NA	NA	5.40	NA	NA
T-1	07/02/2004	1,400	2,800 c	160	300	6.7	180	NA	28	NA	NA	NA	NA	NA	NA	NA	NA	5.62	NA	NA
T-1	10/08/2004	1,800	1,100 c	390	68	5.6	330	NA	59	NA	NA	NA	NA	NA	NA	NA	NA	5.67	NA	NA
T-1	01/10/2005	3,000	1,300 c	480	150	30	270	NA	52	NA	NA	NA	NA	NA	NA	NA	NA	4.92	NA	NA
T-1	04/15/2005	1,100	1,100 c	93	2.9	3.3	8.3	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	5.22	NA	NA
T-1	07/15/2005	490	430 c	1.7	1.3	<0.50	2.4	NA	9.7	NA	NA	NA	NA	NA	NA	NA	NA	5.55	NA	NA
T-1	10/20/2005	300 e	770 c	<0.50	<0.50	<0.50	1.3	NA	11	NA	NA	NA	NA	NA	NA	NA	13.85	6.16	7.69	NA

WELL CONCENTRATIONS
Shell-branded Service Station
105 5th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 9, 2001, analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 9, 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

1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260B

EDB = 1,2-dibromomethane or ethylene dibromide, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

n/n = Pre-purge/Post-purge

Notes:

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

b = Result was generated out of hold time.

c = Hydrocarbon does not match pattern of laboratory's standard.

d = Hydrocarbon reported is in the early Diesel range and does not match the laboratory's Diesel standard.

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

Ethanol analyzed by EPA Method 8260B.

Top of casing for well MW-4 provided by Cambria Environmental Technology, Inc.

Wells MW-1 through MW-5 surveyed April 12, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed September 26, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Well T-1 surveyed on September 27, 2005. Survey data provided by Cambria Environmental.

Blaine Tech Services, Inc.

November 02, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Michael Ninokata
Project#: 051020-MD1
Project: 98995757
Site: 105 5th Street, Oakland

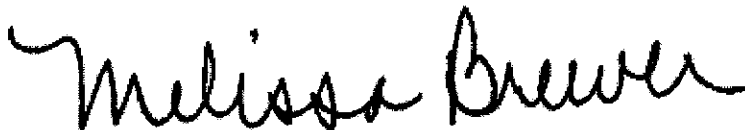
Attached is our report for your samples received on 10/20/2005 15:12
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
12/04/2005 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 Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/20/2005 10:30	Water	1
MW-2	10/20/2005 14:10	Water	2
MW-3	10/20/2005 11:25	Water	3
MW-4	10/20/2005 10:50	Water	4
MW-5	10/20/2005 11:10	Water	5
MW-6	10/20/2005 13:20	Water	6
T-1	10/20/2005 13:50	Water	7

Severn Trent Laboratories, Inc.

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

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

10/27/2005 12:25

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2005-10-0461 - 1
Sampled: 10/20/2005 10:30	Extracted: 10/24/2005 11:00
Matrix: Water	QC Batch#: 2005/10/24-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/24/2005 11:00	
Benzene	ND	0.50	ug/L	1.00	10/24/2005 11:00	
Toluene	ND	0.50	ug/L	1.00	10/24/2005 11:00	
Ethylbenzene	ND	0.50	ug/L	1.00	10/24/2005 11:00	
Total xylenes	ND	1.0	ug/L	1.00	10/24/2005 11:00	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/24/2005 11:00	
Surrogate(s)						
1,2-Dichloroethane-d4	96.6	73-130	%	1.00	10/24/2005 11:00	
Toluene-d8	105.0	81-114	%	1.00	10/24/2005 11:00	

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-4	Lab ID: 2005-10-0461 - 4
Sampled: 10/20/2005 10:50	Extracted: 10/24/2005 15:32
Matrix: Water	QC Batch#: 2005/10/24-1A.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/24/2005 15:32	
Benzene	ND	0.50	ug/L	1.00	10/24/2005 15:32	
Toluene	ND	0.50	ug/L	1.00	10/24/2005 15:32	
Ethylbenzene	ND	0.50	ug/L	1.00	10/24/2005 15:32	
Total xylenes	ND	1.0	ug/L	1.00	10/24/2005 15:32	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/24/2005 15:32	
Surrogate(s)						
1,2-Dichloroethane-d4	108.7	73-130	%	1.00	10/24/2005 15:32	
Toluene-d8	105.0	81-114	%	1.00	10/24/2005 15:32	

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-5	Lab ID: 2005-10-0461 - 5
Sampled: 10/20/2005 11:10	Extracted: 10/24/2005 15:53
Matrix: Water	QC Batch#: 2005/10/24-1A.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	160	50	ug/L	1.00	10/24/2005 15:53	
Benzene	5.1	0.50	ug/L	1.00	10/24/2005 15:53	
Toluene	ND	0.50	ug/L	1.00	10/24/2005 15:53	
Ethylbenzene	17	0.50	ug/L	1.00	10/24/2005 15:53	
Total xylenes	1.4	1.0	ug/L	1.00	10/24/2005 15:53	
Methyl tert-butyl ether (MTBE)	79	0.50	ug/L	1.00	10/24/2005 15:53	
Surrogate(s)						
1,2-Dichloroethane-d4	107.5	73-130	%	1.00	10/24/2005 15:53	
Toluene-d8	101.9	81-114	%	1.00	10/24/2005 15:53	

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 5030B Test(s): 8260B
 Sample ID: MW-6 Lab ID: 2005-10-0461 - 6
 Sampled: 10/20/2005 13:20 Extracted: 10/24/2005 16:14
 Matrix: Water QC Batch#: 2005/10/24-1A.64
 Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	1000	ug/L	20.00	10/24/2005 16:14	
Benzene	ND	10	ug/L	20.00	10/24/2005 16:14	
Toluene	ND	10	ug/L	20.00	10/24/2005 16:14	
Ethylbenzene	ND	10	ug/L	20.00	10/24/2005 16:14	
Total xylenes	ND	20	ug/L	20.00	10/24/2005 16:14	
Methyl tert-butyl ether (MTBE)	1800	10	ug/L	20.00	10/24/2005 16:14	
Surrogate(s)						
1,2-Dichloroethane-d4	107.6	73-130	%	20.00	10/24/2005 16:14	
Toluene-d8	104.9	81-114	%	20.00	10/24/2005 16:14	

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: T-1	Lab ID: 2005-10-0461 - 7
Sampled: 10/20/2005 13:50	Extracted: 10/24/2005 16:35
Matrix: Water	QC Batch#: 2005/10/24-1A.64
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	300	50	ug/L	1.00	10/24/2005 16:35	Q1
Benzene	ND	0.50	ug/L	1.00	10/24/2005 16:35	
Toluene	ND	0.50	ug/L	1.00	10/24/2005 16:35	
Ethylbenzene	ND	0.50	ug/L	1.00	10/24/2005 16:35	
Total xylenes	1.3	1.0	ug/L	1.00	10/24/2005 16:35	
Methyl tert-butyl ether (MTBE)	11	0.50	ug/L	1.00	10/24/2005 16:35	
Surrogate(s)						
1,2-Dichloroethane-d4	109.6	73-130	%	1.00	10/24/2005 16:35	
Toluene-d8	104.8	81-114	%	1.00	10/24/2005 16:35	

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/10/24-1A.64-036

Water

Test(s): 8260B

QC Batch # 2005/10/24-1A.64

Date Extracted: 10/24/2005 08:36

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/24/2005 08:36	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/24/2005 08:36	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/24/2005 08:36	
Benzene	ND	0.5	ug/L	10/24/2005 08:36	
Toluene	ND	0.5	ug/L	10/24/2005 08:36	
Ethylbenzene	ND	0.5	ug/L	10/24/2005 08:36	
Total xylenes	ND	1.0	ug/L	10/24/2005 08:36	
Surrogates(s)					
1,2-Dichloroethane-d4	98.2	73-130	%	10/24/2005 08:36	
Toluene-d8	107.8	81-114	%	10/24/2005 08:36	

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/24-1A.64

LCS 2005/10/24-1A.64-015

Extracted: 10/24/2005

Analyzed: 10/24/2005 08:15

LCSD 2005/10/24-1A.64-057

Extracted: 10/24/2005

Analyzed: 10/24/2005 08:57

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.2	22.5	25	88.8	90.0	1.3	65-165	20		
Benzene	24.0	24.4	25	96.0	97.6	1.7	69-129	20		
Toluene	24.0	24.2	25	96.0	96.8	0.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	482	480	500	96.4	96.0		73-130			
Toluene-d8	534	544	500	106.8	108.8		81-114			

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: 051020-MD1
98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/24-1A.64

MW-1 >> MS

Lab ID: 2005-10-0461 - 001

MS: 2005/10/24-1A.64-058

Extracted: 10/24/2005

Analyzed: 10/24/2005 11:21

Dilution: 1.00

MSD: 2005/10/24-1A.64-059

Extracted: 10/24/2005

Analyzed: 10/24/2005 11:42

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	26.9	27.1	ND	25	107.6	108.4	0.7	69-129	20		
Toluene	27.0	27.7	ND	25	108.0	110.8	2.6	70-130	20		
Methyl tert-butyl ether	24.0	24.9	ND	25	96.0	99.6	3.7	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	493	498		500	98.6	99.6		73-130			
Toluene-d8	531	549		500	106.2	109.8		81-114			

Severn Trent Laboratories, Inc.

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

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

10/27/2005 12:25

Page 11 of 12

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1
98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Legend and Notes

Analysis Flag

L2

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

Result Flag

Q1

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

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771Project: 051020-MD1
98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/20/2005 10:30	Water	1
MW-2	10/20/2005 14:10	Water	2
MW-3	10/20/2005 11:25	Water	3
MW-4	10/20/2005 10:50	Water	4
MW-5	10/20/2005 11:10	Water	5
MW-6	10/20/2005 13:20	Water	6
T-1	10/20/2005 13:50	Water	7

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-1	Lab ID: 2005-10-0461 - 1
Sampled: 10/20/2005 10:30	Extracted: 10/28/2005 09:50
Matrix: Water	QC Batch#: 2005/10/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	10/28/2005 17:54	
Surrogate(s) o-Terphenyl	111.3	64-127	%	1.00	10/28/2005 17:54	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: 051020-MD1
98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-2	Lab ID: 2005-10-0461 - 2
Sampled: 10/20/2005 14:10	Extracted: 10/28/2005 09:50
Matrix: Water	QC Batch#: 2005/10/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	350	50	ug/L	1.00	10/28/2005 18:24	ndp
Surrogate(s) o-Terphenyl	113.0	64-127	%	1.00	10/28/2005 18:24	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-4	Lab ID: 2005-10-0461 - 4
Sampled: 10/20/2005 10:50	Extracted: 10/28/2005 09:50
Matrix: Water	QC Batch#: 2005/10/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	10/28/2005 19:22	
Surrogate(s) o-Terphenyl	110.7	64-127	%	1.00	10/28/2005 19:22	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-5	Lab ID: 2005-10-0461 - 5
Sampled: 10/20/2005 11:10	Extracted: 10/28/2005 09:50
Matrix: Water	QC Batch#: 2005/10/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	120	50	ug/L	1.00	10/28/2005 19:51	ndp
Surrogate(s)						
o-Terphenyl	112.1	64-127	%	1.00	10/28/2005 19:51	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 3511 Test(s): 8015M
 Sample ID: **MW-6** Lab ID: 2005-10-0461 - 6
 Sampled: 10/20/2005 13:20 Extracted: 10/28/2005 09:50
 Matrix: Water QC Batch#: 2005/10/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	10/28/2005 20:20	
Surrogate(s)						
o-Terphenyl	116.3	64-127	%	1.00	10/28/2005 20:20	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1
98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: T-1	Lab ID: 2005-10-0461 - 7
Sampled: 10/20/2005 13:50	Extracted: 10/28/2005 09:50
Matrix: Water	QC Batch#: 2005/10/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	770	50	ug/L	1.00	10/28/2005 20:50	ndp
Surrogate(s) o-Terphenyl	117.4	64-127	%	1.00	10/28/2005 20:50	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 3511

Method Blank

MB: 2005/10/28-02.10-001

Water

Test(s): 8015M

QC Batch # 2005/10/28-02.10

Date Extracted: 10/28/2005 09:50

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/28/2005 17:25	
Surrogates(s) o-Terphenyl	105.1	64-127	%	10/28/2005 17:25	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1

98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2005/10/28-02.10

LCS 2005/10/28-02.10-002

Extracted: 10/28/2005

Analyzed: 10/28/2005 15:22

LCSD 2005/10/28-02.10-003

Extracted: 10/28/2005

Analyzed: 10/29/2005 14:45

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	544	594	714	76.2	83.2	8.8	60-150	25		
Surrogates(s) o-Terphenyl	1.46	1.47	1.25	116.6	117.5		64-127	0		

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 051020-MD1
98995757

Received: 10/20/2005 15:12

Site: 105 5th Street, Oakland

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

SHELL Chain Of Custody Record

18473

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING

TECHNICAL SERVICES

CRMT HOUSTON

Denis Brown

2005-10-0461

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 7 5 7

SAP or CRMT NUMBER (TS/CRMT)

DATE: 10/20/05

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services		LOG CODE: BTSS		SITE ADDRESS (Street and City): 105 5th Street, Oakland				GLOBAL ID NO.: T0600102116												
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112				EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kraml				PHONE NO.: (510) 420-3335		EMAIL: ShellOaklandEDF@cambria-env.com		CONSULTANT PROJECT NO.: 857020-MD)								
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Georhart Michael Niemelä				SAMPLER NAME(S) (Print): John DeJong				LAB USE ONLY				BTS #								
TELEPHONE: 408-573-0555		FAX: 408-573-7771		E-MAIL: lgeorhart@blainetech.com																
TURNAROUND TIME (BUSINESS DAYS): <input type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS				REQUESTED ANALYSIS								FIELD NOTES: Containr/Preservative or PID Readings or Laboratory Notes TEMPERATURE ON RECEIPT C° <p style="text-align: center; font-size: 1.5em;">40c</p>								
<input type="checkbox"/> LA - RWQCB REPORT FORMAT <input type="checkbox"/> UST AGENCY:																				
GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____																				
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED <input type="checkbox"/>																				
LAB USE ONLY	Field Sample Identification	SAMPLING DATE TIME		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TBA	TPH - Diesel, Extractable (8015m)				
	MW-1	10/20/05	1030	W	6	X	X	X								X				
	MW-2		140		6	X	X	X								X				
	MW-3		1125		6	X	X	X							X	X				
	MW-4		1050		6	X	X	X								X				
	MW-5		1110		6	X	X	X								X				
	MW-6		1320		6	X	X	X								X				
	T-1		1350		6	X	X	X								X				
Reinquished by: (Signature)					Received by: (Signature)					Date	10/20/05		Time	15:12						
Reinquished by: (Signature)					Received by: (Signature)					Date	10/20/05		Time	17:45						

G&G Graphic (714) 896-9702

WELL GAUGING DATA

Project # 051020-MDI Date 10/20/05 Client Shell

Site 105 5th St., 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 <u>TOC</u>
MW-1	4					6.21	23.52	↓
MW-2	4	odor				5.70	23.51	
MW-3	4					6.22	24.97	
MW-4	2					7.15	19.90	
MW-5	4					6.66	24.15	
MW-6	2					5.65	24.12	
T-1	12					6.16	11.42	

SHELL WELL MONITORING DATA SHEET

BTS #: <u>051020-MW1</u>	Site: <u>98995757</u>
Sampler: <u>MW1</u>	Date: <u>10/20/05</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>23.52</u>	Depth to Water (DTW): <u>6.21</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>9.67</u>	

Purge Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
---	---	--

$\underline{11.3} \text{ (Gals.)} \times \underline{3} = \underline{33.9} \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1023	70.9	6.8	512	62	11.5	clear
1025	71.0	7.0	456	87	23	↓ cloudy
1028	70.6	7.0	388	265	34	

Did well dewater? Yes No Gallons actually evacuated: 34

Sampling Date: 10/20/05 Sampling Time: 1030 Depth to Water: 9.67

Sample I.D.: MW-1 Laboratory: STE Other: _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>051020-MW1</u>	Site: <u>98995757</u>
Sampler: <u>MD</u>	Date: <u>10/20/05</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>23.51</u>	Depth to Water (DTW): <u>5.70</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>9.26</u>	

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

11.6 (Gals.) X 4.7 = 34.8 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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1400</u>	<u>73.7</u>	<u>7.0</u>	<u>685</u>	<u>10</u>	<u>12</u>	<u>clear</u>
<u>1402</u>	<u>74.2</u>	<u>6.8</u>	<u>630</u>	<u>22</u>	<u>24</u>	<u>↓</u>
<u>1405</u>	<u>73.2</u>	<u>6.8</u>	<u>502</u>	<u>9</u>	<u>35</u>	<u>↓</u>

Did well dewater? Yes No Gallons actually evacuated: 35

Sampling Date: 10/20/05 Sampling Time: 1410 Depth to Water: _____

Sample I.D.: 10/20/05 MW-2 Laboratory: STL Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>051020-MW1</u>	Site: <u>98995757</u>
Sampler: <u>MW</u>	Date: <u>10/20/05</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>24.97</u>	Depth to Water (DTW): <u>6.22</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>pvc</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>9.97</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra Peristaltic Extraction Pump Other: _____	Sampling Method: <input checked="" type="checkbox"/> Bailed Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$\frac{12.2 \text{ (Gals.)} \times 3}{1 \text{ Case Volume}} = 36.6 \text{ Gals.}$ Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1112	68.7	6.8	977	83	12.5	clear
1115	68.3	6.8	954	36	25	↓
1118	68.2	6.7	994	161	37	cloudy

Did well dewater? Yes No Gallons actually evacuated: 37

Sampling Date: 10/20/05 Sampling Time: 1125 Depth to Water: 9.97

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

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

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 #: 051020-MW1	Site: 98995757
Sampler: MW1	Date: 10/20/05
Well I.D.: MW1	Well Diameter: (2) 3 6 8
Total Well Depth (TD): 19.90	Depth to Water (DTW): 19.90 ^{MW1} 7.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>EVG</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.70	

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: _____

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1041	67.7	6.7	1630	485	2	cloudy
1043	67.7	6.6	1656	7100	4	↓
1046	67.5	6.6	1659	7100	6	↓

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Date: 10/20/05 Sampling Time: 1050 Depth to Water: 9.70

Sample I.D.: 1046 ^{MW} MW-4 Laboratory: STL Other _____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>051020-MD1</u>	Site: <u>98995757</u>
Sampler: <u>mp</u>	Date: <u>10/20/05</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 3 4 6 8 _____
Total Well Depth (TD): <u>24.15</u>	Depth to Water (DTW): <u>6.66</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.16</u>	

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

$\underline{11.4} \text{ (Gals.)} \times \underline{3} = \underline{34.2} \text{ Gals.}$ <p>I Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1058</u>	<u>72.6</u>	<u>7.0</u>	<u>624</u>	<u>51</u>	<u>11.5</u>	<u>Clear, red</u>
<u>1100</u>	<u>72.8</u>	<u>6.7</u>	<u>650</u>	<u>80</u>	<u>23</u>	<u>↓</u>
<u>1102</u>	<u>71.8</u>	<u>6.8</u>	<u>628</u>	<u>33</u>	<u>34.1</u>	<u>↓</u>

Did well dewater? Yes No Gallons actually evacuated: 34.5

Sampling Date: 10/20/05 Sampling Time: 10^{AM} 1110 Depth to Water: 10.16

Sample I.D.: MW-5 Laboratory: STL Other _____

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

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 #: <u>051020-MW1</u>	Site: <u>98995757</u>
Sampler: <u>MP</u>	Date: <u>6/20/01</u>
Well I.D.: <u>MW-6</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth (TD): <u>27.12</u>	Depth to Water (DTW): <u>5.65</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>Eye</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

Other: _____

3 (Gals.) X 3 = 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
1307	69.6	7.9	278	212	3	cloudy
1311	70.5	7.4	284	640	6	↓
1315	70.0	7.2	303	480	9	

Did well dewater? Yes No Gallons actually evacuated: 9

Sampling Date: 6/20/01 Sampling Time: 1320 Depth to Water: 6.41

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

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

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

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

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

ATTACHMENT B
Virgil Chavez Land Surveying
Monitoring Well Survey

Virgil Chavez Land Surveying

721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

October 4, 2005
Project No.: 2180-00A

007 - 5

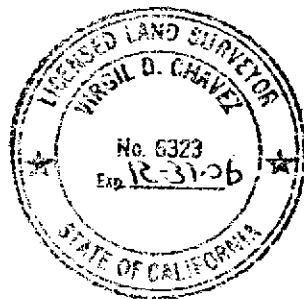
Cynthia Vasko
Cambria Environmental
5900 Hollis Street, Suite A
Emeryville, CA 94608

Subject: Monitoring Well Survey
Shell Service Station
105 5th Street
Oakland, CA

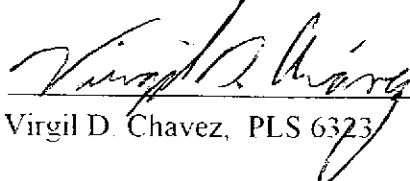
Dear Cynthia:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on September 27, 2005. The benchmark for this survey was a CALTRANS control station AJ-415 located at the southwesterly corner of the intersection of 5th and Oak Streets. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 13.49 feet (NAVD 88).

<u>Latitude</u>	<u>Longitude</u>	<u>Northing</u>	<u>Easting</u>	<u>Elev.</u>	<u>Desc.</u>
37.7945825	-122.2671404	2116608.02	6051090.24	14.09	RIM T-1
				13.85	TOC T-1



Sincerely,


Virgil D. Chavez, PLS 6323