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Denis L. Brown

Shell Oil Products US
HSE – Environmental Services
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Carson, CA 90810-1039
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Fax (707) 865 2542
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August 30, 2005

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

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

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Sr. Environmental Engineer

CAMBRIA

August 30, 2005

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

Re: **Third 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.

THIRD 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. 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.

Cambria Environmental Technology, Inc.

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

Additional Oxygenate Analysis: In addition to the regular quarterly analysis for total petroleum hydrocarbons as diesel (TPHd), TPHg, benzene, toluene, ethylbenzene, xylenes, and MTBE, groundwater samples from monitoring wells MW-2, MW-4, MW-5 and MW-6 were analyzed for additional oxygenates di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tert-amyl methyl ether (TAME), and tert-butyl alcohol (TBA). In addition to the regular quarterly analysis for TPHd, TPHg, benzene, toluene, ethylbenzene, xylenes, MTBE, and TBA, groundwater samples from monitoring well MW-3 were analyzed for additional oxygenates DIPE, ETBE, TAME, and TBA, and for lead scavengers 1,2-dichloroethane and 1,2-dibromomethane. Of these additional analytes, only TBA was detected in wells MW-2, MW-3 and MW-5, at concentrations ranging from 120 parts per billion (ppb) in MW-5 to 5,300 ppb in MW-3. Results of this analysis are presented in the Well Concentrations table included in Blaine's report.

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, and then 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 ppb on April 15, 2005), Cambria reduced periodic GWE frequency from semi-monthly to monthly in July 2005. The MTBE concentration in MW-3 was up slightly during the second quarter 2005 (3,700 ppb on July 15, 2005), but still low compared to historical concentrations in this well. Table 1 presents mass removal data from the periodic GWE events. As of August 12, 2005, a total of 168,479 gallons of water has been extracted, resulting in the removal of 8.5 lbs of TPHg and 66.2 lbs of MTBE. The reported volume and mass removal values are lower than in previous quarters, because the results of groundwater removal via mobile DVE events had been reported in both the historical remediation summary and periodic GWE sections.

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 9.7 ppb this quarter. The concentration in well MW-3 has decreased from 44,000 ppb during the fourth quarter of 2002 to 3,700 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 FOURTH QUARTER 2005 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 well MW-3 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

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

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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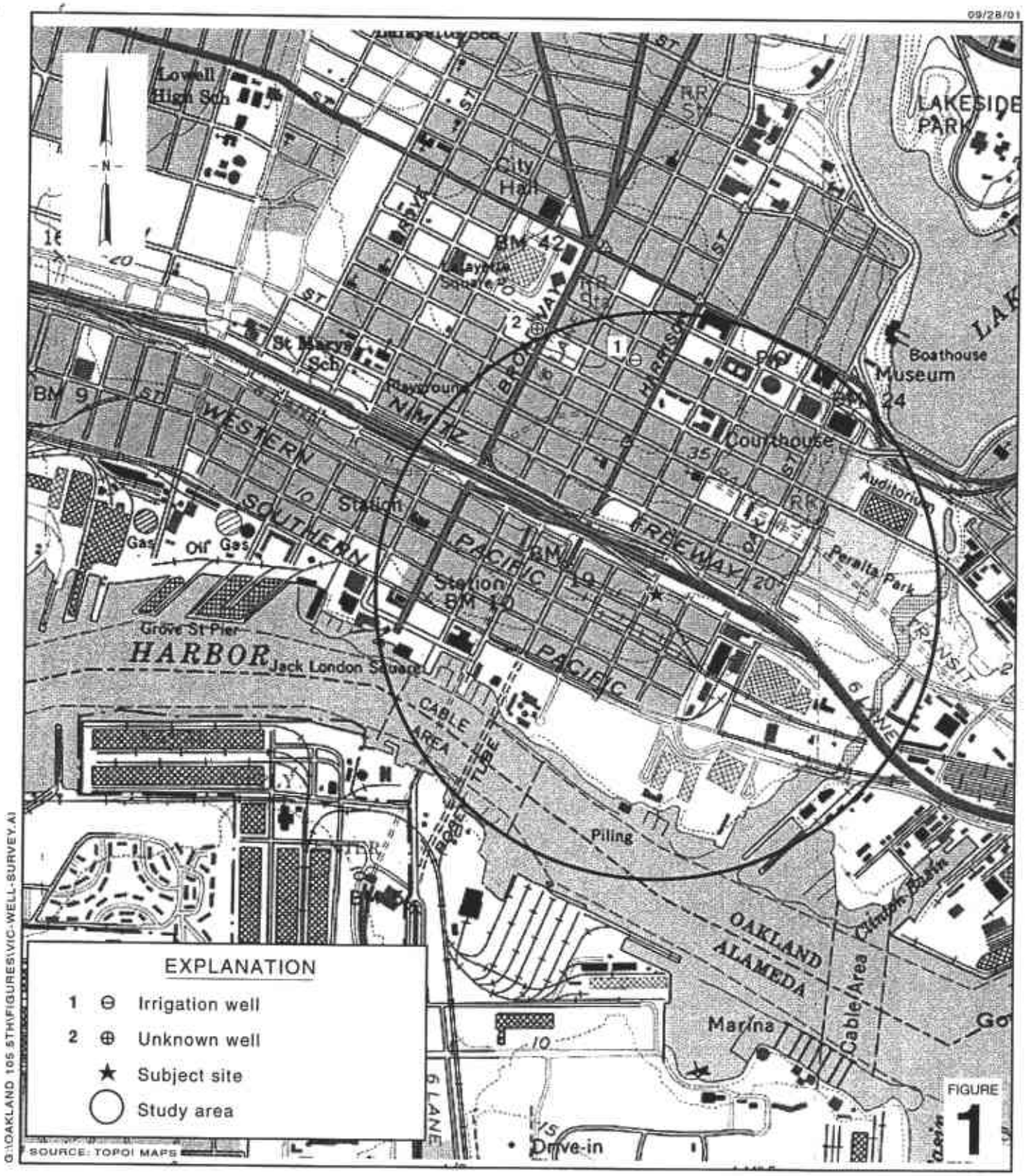

Shell-branded Service Station
105 Fifth Street
Oakland, California
Incident# 98995757

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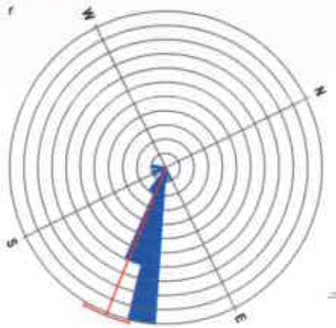
Vicinity / Well Survey Map

(1/2 Mile Radius)

08/30/05

Groundwater Elevation Contour Map

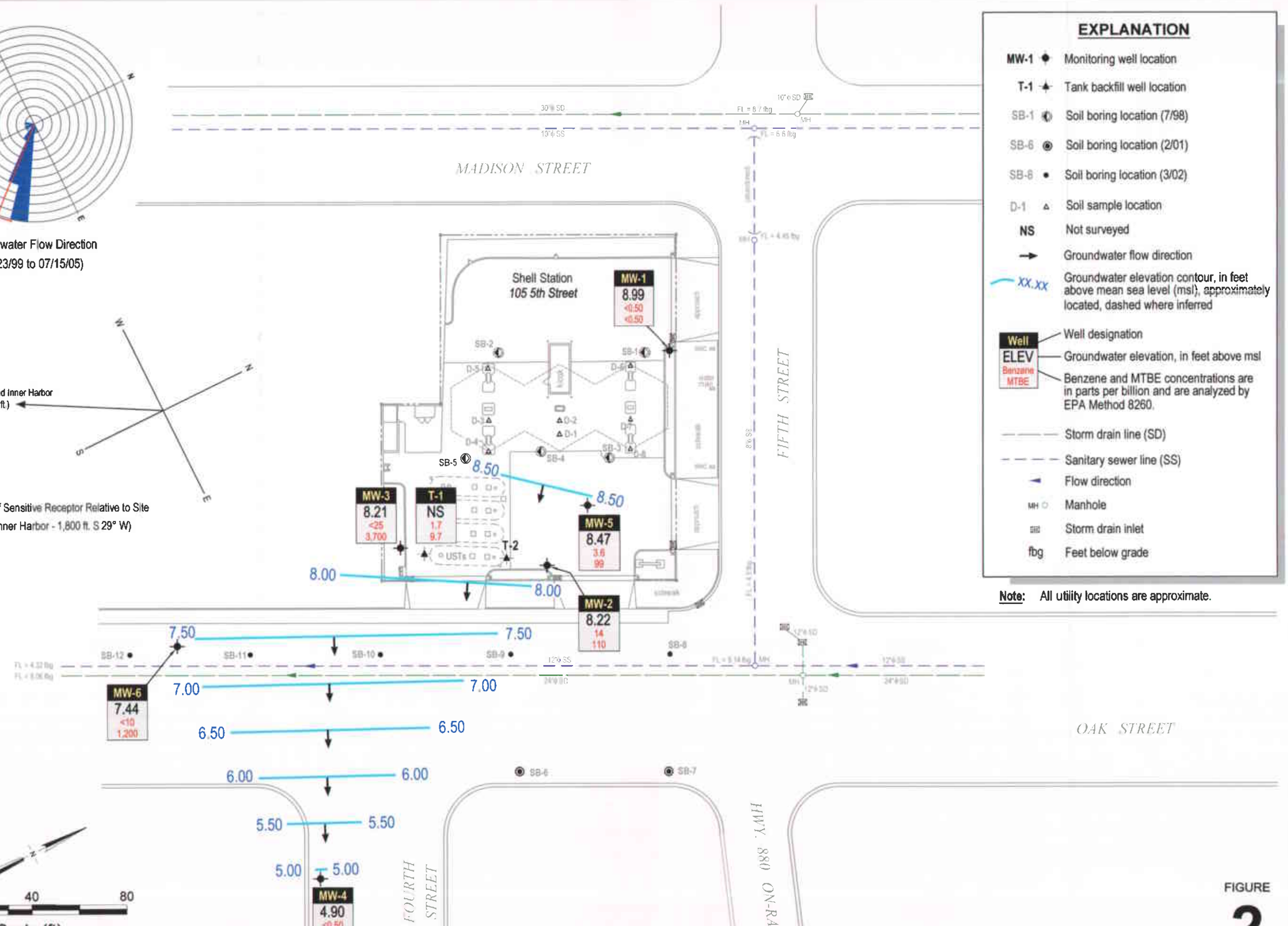
July 15, 2005



Groundwater Flow Direction
(07/23/99 to 07/15/05)

Oakland Inner Harbor
(1,800 ft.)

Location of Sensitive Receptor Relative to Site
(Oakland Inner Harbor - 1,800 ft. S 29° W)



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
NS	Not surveyed
→	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
MH ○	Manhole
▭	Storm drain inlet
fbg	Feet below grade

Note: All utility locations are approximate.

CAMBRIA

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

FIGURE
2

G:\OAKLAND 105 5TH\FIGURES\3QM05.DWG

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

					TPHg			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	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

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

					TPHg			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	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

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

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Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	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	37,000	0.09370	3.98857
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
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

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

					TPHg			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	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)
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
Total Gallons Extracted:		**168,479**			**Total Pounds Removed:**	**8.47534**			**0.22888**				**66.16833**
					Total Gallons Removed:	**1.38940**			**0.03135**				**10.67231**

Abbreviations & Notes:

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether

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

					TPHg			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	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)

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 (µg/L) x ($g/10^6 \mu g$) 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

August 3, 2005

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

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

Monitoring performed on July 15, 2005

Groundwater Monitoring Report **050715-DA-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,

Leon Gearhart
Project Coordinator

LG/cl

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	7/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.22	17.56	-5.34	NA
MW-1	7/23/1999	<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	11/1/1999	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	1/5/2000	<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	4/7/2000	<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	7/26/2000	<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	1/30/2001	<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	4/17/2001	<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	7/9/2001	<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	1/7/2002	<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	4/12/2002	<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	7/10/2002	<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	1/29/2003	<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	4/30/2003	<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	7/22/2003	<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	10/9/2003	<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	1/5/2004	<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	4/12/2004	<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	7/2/2004	<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	10/8/2004	<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	1/10/2005	<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	4/15/2005	<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	**7/15/2005**	**<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-2	7/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.87	18.24	-7.37	NA
MW-2	7/23/1999	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	11/1/1999	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	1/5/2000	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	4/7/2000	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	7/26/2000	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
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

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	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-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
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

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	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	1/2/2003	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	1/29/2003	<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	4/30/2003	<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	7/22/2003	<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	10/9/2003	<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	1/5/2004	<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	4/12/2004	<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	7/2/2004	<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	10/8/2004	<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	1/10/2005	<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	4/15/2005	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	**7/15/2005**	**<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-4	3/23/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.50	8.21	1.29	NA
MW-4	4/17/2001	<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	7/9/2001	<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	1/7/2002	<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	4/12/2002	<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	7/10/2002	<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	1/29/2003	<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	4/30/2003	<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	7/22/2003	<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	10/9/2003	<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	1/5/2004	<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	4/12/2004	<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	7/2/2004	<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	10/8/2004	<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	1/10/2005	<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
MW-4	4/15/2005	<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	**7/15/2005**	**<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**

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-5	3/29/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.78	5.86	8.92	NA
MW-5	4/12/2002	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	7/10/2002	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	1/29/2003	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	4/30/2003	<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	7/22/2003	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	10/9/2003	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	1/5/2004	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	4/12/2004	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	7/2/2004	660	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	10/8/2004	<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	1/10/2005	<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	4/15/2005	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	**7/15/2005**	**<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-6	9/25/2002	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	1/29/2003	<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	4/30/2003	<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	7/22/2003	<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	10/9/2003	<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	1/5/2004	<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	4/12/2004	<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	7/2/2004	<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	10/8/2004	<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	1/10/2005	<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	4/15/2005	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	**7/15/2005**	**<1,000**	**<50**	**<10**	**<10**	**<10**	**<20**	**NA**	**1,200**	**<20**	**<40**	**<40**	**<100**	**NA**	**NA**	**NA**	**12.91**	**5.47**	**7.44**	**NA**
T-1	1/7/2002	<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	4/12/2002	<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	7/10/2002	<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

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)
T-1	1/2/2003	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	1/29/2003	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	4/30/2003	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	7/22/2003	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	10/9/2003	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	1/5/2004	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	4/12/2004	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	7/2/2004	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	10/8/2004	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	1/10/2005	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	4/15/2005	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	**7/15/2005**	**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**

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 ethlyene 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

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)

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.

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.

SEVERN TRENT STL

Submission#: 2005-07-0472

Blaine Tech Services, Inc.

August 03, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: BTS#050715-DA1
Project: 98995757
Site: 105 5th Street, Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 07/18/2005 13:37
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 09/01/2005 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

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2005-07-0472

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	07/15/2005 09:55	Water	1
MW-2	07/15/2005 11:38	Water	2
MW-3	07/15/2005 11:10	Water	3
MW-4	07/15/2005 10:13	Water	4
MW-5	07/15/2005 10:43	Water	5
MW-6	07/15/2005 09:28	Water	6
T-1	07/15/2005 11:24	Water	7

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 5030B
Sample ID: **MW-1**
Sampled: 07/15/2005 09:55
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-07-0472 - 1
Extracted: 7/27/2005 09:13
QC Batch#: 2005/07/27-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	07/27/2005 09:13	
Benzene	ND	0.50	ug/L	1.00	07/27/2005 09:13	
Toluene	ND	0.50	ug/L	1.00	07/27/2005 09:13	
Ethylbenzene	ND	0.50	ug/L	1.00	07/27/2005 09:13	
Total xylenes	ND	1.0	ug/L	1.00	07/27/2005 09:13	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/27/2005 09:13	
Surrogate(s)						
1,2-Dichloroethane-d4	116.7	73-130	%	1.00	07/27/2005 09:13	
Toluene-d8	89.2	81-114	%	1.00	07/27/2005 09:13	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 5030B
Sample ID: **MW-2**
Sampled: 07/15/2005 11:38
Matrix: Water

Test(s): 8260B
Lab ID: 2005-07-0472 - 2
Extracted: 7/29/2005 09:00
QC Batch#: 2005/07/29-1A.64

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	200	ug/L	4.00	07/29/2005 09:00	
Benzene	14	2.0	ug/L	4.00	07/29/2005 09:00	
Toluene	ND	2.0	ug/L	4.00	07/29/2005 09:00	
Ethylbenzene	7.3	2.0	ug/L	4.00	07/29/2005 09:00	
Total xylenes	ND	4.0	ug/L	4.00	07/29/2005 09:00	
tert-Butyl alcohol (TBA)	1800	20	ug/L	4.00	07/29/2005 09:00	
Methyl tert-butyl ether (MTBE)	110	2.0	ug/L	4.00	07/29/2005 09:00	
Di-isopropyl Ether (DIPE)	ND	8.0	ug/L	4.00	07/29/2005 09:00	
Ethyl tert-butyl ether (ETBE)	ND	8.0	ug/L	4.00	07/29/2005 09:00	
tert-Amyl methyl ether (TAME)	ND	8.0	ug/L	4.00	07/29/2005 09:00	
Surrogate(s)						
1,2-Dichloroethane-d4	112.6	73-130	%	4.00	07/29/2005 09:00	
Toluene-d8	89.7	81-114	%	4.00	07/29/2005 09:00	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

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

Sample ID: **MW-3**
Lab ID: 2005-07-0472 - 3

Sampled: 07/15/2005 11:10
Extracted: 7/29/2005 16:37

Matrix: Water
QC Batch#: 2005/07/29-1A.64

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2500	ug/L	50.00	07/29/2005 16:37	
Benzene	ND	25	ug/L	50.00	07/29/2005 16:37	
Toluene	42	25	ug/L	50.00	07/29/2005 16:37	
Ethylbenzene	ND	25	ug/L	50.00	07/29/2005 16:37	
Total xylenes	62	50	ug/L	50.00	07/29/2005 16:37	
tert-Butyl alcohol (TBA)	5300	250	ug/L	50.00	07/29/2005 16:37	
Methyl tert-butyl ether (MTBE)	3700	25	ug/L	50.00	07/29/2005 16:37	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	50.00	07/29/2005 16:37	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	50.00	07/29/2005 16:37	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	50.00	07/29/2005 16:37	
1,2-DCA	ND	25	ug/L	50.00	07/29/2005 16:37	
EDB	ND	25	ug/L	50.00	07/29/2005 16:37	
Surrogate(s)						
1,2-Dichloroethane-d4	113.6	73-130	%	50.00	07/29/2005 16:37	
Toluene-d8	96.1	81-114	%	50.00	07/29/2005 16:37	

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

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Project: BTS#050715-DA1
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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 5030B
Sample ID: **MW-4**
Sampled: 07/15/2005 10:13
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-07-0472 - 4
Extracted: 7/28/2005 22:58
QC Batch#: 2005/07/28-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	07/28/2005 22:58	
Benzene	ND	0.50	ug/L	1.00	07/28/2005 22:58	
Toluene	ND	0.50	ug/L	1.00	07/28/2005 22:58	
Ethylbenzene	ND	0.50	ug/L	1.00	07/28/2005 22:58	
Total xylenes	ND	1.0	ug/L	1.00	07/28/2005 22:58	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/28/2005 22:58	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/28/2005 22:58	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/28/2005 22:58	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/28/2005 22:58	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/28/2005 22:58	
Surrogate(s)						
1,2-Dichloroethane-d4	145.9	73-130	%	1.00	07/28/2005 22:58	S7
Toluene-d8	89.6	81-114	%	1.00	07/28/2005 22:58	

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

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Project: BTS#050715-DA1
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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 5030B

Test(s): 8260B

Sample ID: **MW-5**

Lab ID: 2005-07-0472 - 5

Sampled: 07/15/2005 10:43

Extracted: 7/27/2005 13:25
7/29/2005 19:07

Matrix: Water

QC Batch#: 2005/07/27-1A.64
2005/07/29-1A.62

pH: <2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	07/27/2005 13:25	
Benzene	3.6	0.50	ug/L	1.00	07/27/2005 13:25	
Toluene	ND	0.50	ug/L	1.00	07/27/2005 13:25	
Ethylbenzene	3.4	0.50	ug/L	1.00	07/27/2005 13:25	
Total xylenes	ND	1.0	ug/L	1.00	07/27/2005 13:25	
tert-Butyl alcohol (TBA)	120	5.0	ug/L	1.00	07/27/2005 13:25	
Methyl tert-butyl ether (MTBE)	99	0.50	ug/L	1.00	07/27/2005 13:25	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/29/2005 19:07	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/27/2005 13:25	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/27/2005 13:25	
Surrogate(s)						
1,2-Dichloroethane-d4	116.3	73-130	%	1.00	07/27/2005 13:25	
1,2-Dichloroethane-d4	89.6	73-130	%	1.00	07/29/2005 19:07	
Toluene-d8	85.8	81-114	%	1.00	07/27/2005 13:25	
Toluene-d8	91.9	81-114	%	1.00	07/29/2005 19:07	

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

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Project: BTS#050715-DA1
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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6**	Lab ID:	2005-07-0472 - 6
Sampled:	07/15/2005 09:28	Extracted:	7/27/2005 13:50 7/29/2005 19:33
Matrix:	Water	QC Batch#:	2005/07/27-1A.64 2005/07/29-1A.62

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	07/27/2005 13:50	
Benzene	ND	10	ug/L	20.00	07/27/2005 13:50	
Toluene	ND	10	ug/L	20.00	07/27/2005 13:50	
Ethylbenzene	ND	10	ug/L	20.00	07/27/2005 13:50	
Total xylenes	ND	20	ug/L	20.00	07/27/2005 13:50	
tert-Butyl alcohol (TBA)	ND	100	ug/L	20.00	07/27/2005 13:50	
Methyl tert-butyl ether (MTBE)	1200	10	ug/L	20.00	07/27/2005 13:50	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	07/29/2005 19:33	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	07/27/2005 13:50	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	07/27/2005 13:50	
Surrogate(s)						
1,2-Dichloroethane-d4	93.4	73-130	%	10.00	07/29/2005 19:33	
1,2-Dichloroethane-d4	122.2	73-130	%	20.00	07/27/2005 13:50	
Toluene-d8	89.2	81-114	%	10.00	07/29/2005 19:33	
Toluene-d8	92.3	81-114	%	20.00	07/27/2005 13:50	

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

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Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 5030B
Sample ID: **T-1**
Sampled: 07/15/2005 11:24
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-07-0472 - 7
Extracted: 7/29/2005 18:41
QC Batch#: 2005/07/29-1A.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	490	50	ug/L	1.00	07/29/2005 18:41	
Benzene	1.7	0.50	ug/L	1.00	07/29/2005 18:41	
Toluene	1.3	0.50	ug/L	1.00	07/29/2005 18:41	
Ethylbenzene	ND	0.50	ug/L	1.00	07/29/2005 18:41	
Total xylenes	2.4	1.0	ug/L	1.00	07/29/2005 18:41	
Methyl tert-butyl ether (MTBE)	9.7	0.50	ug/L	1.00	07/29/2005 18:41	
Surrogate(s)						
1,2-Dichloroethane-d4	88.7	73-130	%	1.00	07/29/2005 18:41	
Toluene-d8	93.1	81-114	%	1.00	07/29/2005 18:41	

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

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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/07/27-1A.64

MB: 2005/07/27-1A.64-039

Date Extracted: 07/27/2005 08:39

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	07/27/2005 08:39	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/27/2005 08:39	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/27/2005 08:39	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/27/2005 08:39	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/27/2005 08:39	
1,2-DCA	ND	0.5	ug/L	07/27/2005 08:39	
EDB	ND	0.5	ug/L	07/27/2005 08:39	
Benzene	ND	0.5	ug/L	07/27/2005 08:39	
Toluene	ND	0.5	ug/L	07/27/2005 08:39	
Ethylbenzene	ND	0.5	ug/L	07/27/2005 08:39	
Total xylenes	ND	1.0	ug/L	07/27/2005 08:39	
Surrogates(s)					
1,2-Dichloroethane-d4	109.8	73-130	%	07/27/2005 08:39	
Toluene-d8	87.6	81-114	%	07/27/2005 08:39	

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

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Project: BTS#050715-DA1
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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2005/07/28-2A.64

MB: 2005/07/28-2A.64-051

Date Extracted: 07/28/2005 20:51

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	07/28/2005 20:51	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/28/2005 20:51	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/28/2005 20:51	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	07/28/2005 20:51	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/28/2005 20:51	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/28/2005 20:51	
1,2-DCA	ND	0.5	ug/L	07/28/2005 20:51	
EDB	ND	0.5	ug/L	07/28/2005 20:51	
Benzene	ND	0.5	ug/L	07/28/2005 20:51	
Toluene	ND	0.5	ug/L	07/28/2005 20:51	
Ethylbenzene	ND	0.5	ug/L	07/28/2005 20:51	
Total xylenes	ND	1.0	ug/L	07/28/2005 20:51	
Surrogates(s)					
1,2-Dichloroethane-d4	111.3	73-130	%	07/28/2005 20:51	
Toluene-d8	89.8	81-114	%	07/28/2005 20:51	

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

Blaine Tech Services, Inc.

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Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/07/29-1A.62**

MB: 2005/07/29-1A.62-020 — Date Extracted: 07/29/2005 16:20

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	07/29/2005 16:20	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/29/2005 16:20	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	07/29/2005 16:20	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/29/2005 16:20	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/29/2005 16:20	
1,2-DCA	ND	0.5	ug/L	07/29/2005 16:20	
EDB	ND	0.5	ug/L	07/29/2005 16:20	
Benzene	ND	0.5	ug/L	07/29/2005 16:20	
Toluene	ND	0.5	ug/L	07/29/2005 16:20	
Ethylbenzene	ND	0.5	ug/L	07/29/2005 16:20	
Total xylenes	ND	1.0	ug/L	07/29/2005 16:20	
Surrogates(s)					
1,2-Dichloroethane-d4	91.2	73-130	%	07/29/2005 16:20	
Toluene-d8	89.2	81-114	%	07/29/2005 16:20	

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

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Project: BTS#050715-DA1
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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2005/07/29-1A.64

MB: 2005/07/29-1A.64-001

Date Extracted: 07/29/2005 08:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	07/29/2005 08:01	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/29/2005 08:01	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/29/2005 08:01	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	07/29/2005 08:01	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/29/2005 08:01	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/29/2005 08:01	
1,2-DCA	ND	0.5	ug/L	07/29/2005 08:01	
EDB	ND	0.5	ug/L	07/29/2005 08:01	
Benzene	ND	0.5	ug/L	07/29/2005 08:01	
Toluene	ND	0.5	ug/L	07/29/2005 08:01	
Ethylbenzene	ND	0.5	ug/L	07/29/2005 08:01	
Total xylenes	ND	1.0	ug/L	07/29/2005 08:01	
Surrogates(s)					
1,2-Dichloroethane-d4	97.6	73-130	%	07/29/2005 08:01	
Toluene-d8	85.8	81-114	%	07/29/2005 08:01	

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

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Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/07/27-1A.64**

LCS 2005/07/27-1A.64-049 Extracted: 07/27/2005 Analyzed: 07/27/2005 07:49

LCSD 2005/07/27-1A.64-014 Extracted: 07/27/2005 Analyzed: 07/27/2005 08:14

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.3	23.7	25	105.2	94.8	10.4	65-165	20		
Benzene	27.1	26.1	25	108.4	104.4	3.8	69-129	20		
Toluene	29.1	27.1	25	116.4	108.4	7.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	520	520	500	104.0	104.0		73-130			
Toluene-d8	469	442	500	93.8	88.4		81-114			

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

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Project: BTS#050715-DA1
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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/07/28-2A.64**

LCS 2005/07/28-2A.64-019 Extracted: 07/28/2005 Analyzed: 07/28/2005 18:19

LCSD 2005/07/28-2A.64-005 Extracted: 07/28/2005 Analyzed: 07/28/2005 19:05

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	53.9	52.5	50	107.8	105.0	2.6	65-165	20		
Benzene	44.6	42.7	50	89.2	85.4	4.4	69-129	20		
Toluene	51.3	47.8	50	102.6	95.6	7.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	468	462	500	93.6	92.4		73-130			
Toluene-d8	422	407	500	84.4	81.4		81-114			

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

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Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/07/29-1A.62**

LCS 2005/07/29-1A.62-054 Extracted: 07/29/2005 Analyzed: 07/29/2005 15:54

LCSD 2005/07/29-1A.62-055 Extracted: 07/29/2005 Analyzed: 07/29/2005 16:55

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.2	24.9	25	84.8	99.6	16.1	65-165	20		
Benzene	22.9	25.5	25	91.6	102.0	10.7	69-129	20		
Toluene	24.1	28.6	25	96.4	114.4	17.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	428	401	500	85.6	80.2		73-130			
Toluene-d8	456	460	500	91.2	92.0		81-114			

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

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Project: BTS#050715-DA1
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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/07/29-1A.64**

LCS 2005/07/29-1A.64-011 Extracted: 07/29/2005 Analyzed: 07/29/2005 07:11

LCSD 2005/07/29-1A.64-026 Extracted: 07/29/2005 Analyzed: 07/29/2005 08:26

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.1	31.6	25	108.4	126.4	15.3	65-165	20		
Benzene	27.7	28.3	25	110.8	113.2	2.1	69-129	20		
Toluene	29.2	29.9	25	116.8	119.6	2.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	496	496	500	99.2	99.2		73-130			
Toluene-d8	438	465	500	87.6	93.0		81-114			

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

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Project: BTS#050715-DA1
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Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/07/27-1A.64**

MS/MSD

Lab ID: 2005-07-0440 - 004

MS: 2005/07/27-1A.64-003 Extracted: 07/27/2005 Analyzed: 07/27/2005 10:03
Dilution: 1.00

MSD: 2005/07/27-1A.64-028 Extracted: 07/27/2005 Analyzed: 07/27/2005 10:28
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	24.6	25.1	1.34	25	93.0	95.0	2.1	65-165	20		
Benzene	41.9	41.3	16.7	25	100.8	98.4	2.4	69-129	20		
Toluene	30.2	27.2	1.07	25	116.5	104.5	10.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	511	543		500	102.2	108.6		73-130			
Toluene-d8	493	453		500	98.6	90.6		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/07/28-2A.64**

MW-4 >> MS

Lab ID: 2005-07-0472 - 004

MS: 2005/07/28-2A.64-023 Extracted: 07/28/2005 Analyzed: 07/28/2005 23:23

Dilution: 1.00

MSD: 2005/07/28-2A.64-048 Extracted: 07/28/2005 Analyzed: 07/28/2005 23:48

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	30.9	27.6	ND	25	123.6	110.4	11.3	65-165	20		
Benzene	27.5	26.9	ND	25	110.0	107.6	2.2	69-129	20		
Toluene	30.2	26.7	ND	25	120.8	106.8	12.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	574	561		500	114.8	112.2		73-130			
Toluene-d8	470	433		500	93.9	86.6		81-114			

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/07/29-1A.64**

MS/MSD

Lab ID: 2005-07-0507 - 001

MS: 2005/07/29-1A.64-056 Extracted: 07/29/2005 Analyzed: 07/29/2005 11:56
Dilution: 1.00

MSD: 2005/07/29-1A.64-022 Extracted: 07/29/2005 Analyzed: 07/29/2005 12:22
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	26.8	30.2	2.77	25	96.1	120.8	22.8	65-165	20		R1
Benzene	28.5	27.1	1.38	25	108.5	108.4	0.1	69-129	20		
Toluene	27.8	27.8	0.996	25	107.2	111.2	3.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	548	524		500	109.6	104.8		73-130			
Toluene-d8	433	435		500	86.6	87.0		81-114			

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

Blaine Tech Services, Inc.

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Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

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

R1

Analyte RPD was out of QC limits.

S7

Surrogate recoveries higher than acceptance limits.

SEVERN TRENT STL

Submission: 2005-07-0472

Diesel (C9-C24)

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#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	07/15/2005 09:55	Water	1
MW-2	07/15/2005 11:38	Water	2
MW-3	07/15/2005 11:10	Water	3
MW-4	07/15/2005 10:13	Water	4
MW-5	07/15/2005 10:43	Water	5
MW-6	07/15/2005 09:28	Water	6
T-1	07/15/2005 11:24	Water	7

Diesel (C9-C24)

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#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 3511
Sample ID: **MW-1**
Sampled: 07/15/2005 09:55
Matrix: Water

Test(s): 8015M
Lab ID: 2005-07-0472 - 1
Extracted: 7/28/2005 12:25
QC Batch#: 2005/07/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/02/2005 02:52	
Surrogate(s)						
o-Terphenyl	106.9	64-127	%	1.00	08/02/2005 02:52	

Diesel (C9-C24)

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: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	**MW-2**	Lab ID:	2005-07-0472 - 2
Sampled:	07/15/2005 11:38	Extracted:	7/28/2005 12:25
Matrix:	Water	QC Batch#:	2005/07/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	320	50	ug/L	1.00	07/31/2005 18:47	edr
Surrogate(s)						
o-Terphenyl	120.5	64-127	%	1.00	07/31/2005 18:47	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 3511

Test(s): 8015M

Sample ID: **MW-3**

Lab ID: 2005-07-0472 - 3

Sampled: 07/15/2005 11:10

Extracted: 7/28/2005 12:25

Matrix: Water

QC Batch#: 2005/07/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	100	50	ug/L	1.00	07/31/2005 01:42	ndp
Surrogate(s)						
o-Terphenyl	91.6	64-127	%	1.00	07/31/2005 01:42	

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 3511
Sample ID: **MW-4**
Sampled: 07/15/2005 10:13
Matrix: Water

Test(s): 8015M
Lab ID: 2005-07-0472 - 4
Extracted: 7/28/2005 12:25
QC Batch#: 2005/07/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	08/02/2005 03:19	
Surrogate(s)						
o-Terphenyl	110.6	64-127	%	1.00	08/02/2005 03:19	

Diesel (C9-C24)

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Attn.: Leon Gearhart

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

Project: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 3511
Sample ID: **MW-5**
Sampled: 07/15/2005 10:43
Matrix: Water

Test(s): 8015M
Lab ID: 2005-07-0472 - 5
Extracted: 7/28/2005 12:25
QC Batch#: 2005/07/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	63	50	ug/L	1.00	07/31/2005 01:15	edr
Surrogate(s)						
o-Terphenyl	91.9	64-127	%	1.00	07/31/2005 01:15	

Diesel (C9-C24)

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: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 3511
Sample ID: **MW-6**
Sampled: 07/15/2005 09:28
Matrix: Water

Test(s): 8015M
Lab ID: 2005-07-0472 - 6
Extracted: 7/28/2005 12:25
QC Batch#: 2005/07/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	07/31/2005 02:09	
Surrogate(s)						
o-Terphenyl	91.1	64-127	%	1.00	07/31/2005 02:09	

Diesel (C9-C24)

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: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Prep(s): 3511
Sample ID: **T-1**
Sampled: 07/15/2005 11:24
Matrix: Water

Test(s): 8015M
Lab ID: 2005-07-0472 - 7
Extracted: 7/28/2005 12:25
QC Batch#: 2005/07/28-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	430	50	ug/L	1.00	07/31/2005 02:36	ndp
Surrogate(s)						
o-Terphenyl	93.3	64-127	%	1.00	07/31/2005 02:36	

Diesel (C9-C24)

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: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 3511 Test(s): 8015M

Method Blank **Water** **QC Batch # 2005/07/28-02.10**

MB: 2005/07/28-02.10-001 Date Extracted: 07/28/2005 12:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	07/29/2005 02:05	
Surrogates(s)					
o-Terphenyl	81.0	64-127	%	07/29/2005 02:05	

Diesel (C9-C24)

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#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2005/07/28-02.10**

LCS 2005/07/28-02.10-002 Extracted: 07/28/2005 Analyzed: 07/29/2005 07:04

LCSD 2005/07/28-02.10-003 Extracted: 07/28/2005 Analyzed: 07/29/2005 07:31

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	517	566	680	76.0	83.2	9.0	60-150	25		
Surrogates(s)										
o-Terphenyl	1.22	1.27	1.25	97.9	101.4		64-127	0		

Diesel (C9-C24)

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: BTS#050715-DA1
98995757

Received: 07/18/2005 13:37

Site: 105 5th Street, Oakland

Legend and Notes

Result Flag

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

LAB: STL

SHELL Chain Of Custody Record

116084

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Denis Brown

2005-07-0472

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

SAP or CRMT NUMBER (TS/CRMT):

DATE: 7/15/05

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 105 5th Street, Oakland	GLOBAL ID: T0600102116
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kremi	PHONE NO.: (510) 420-3335	E-MAIL: ShellOaklandEDF@cambria-env.com
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart	SAMPLER NAME: (Print) David Allbut		CONSULTANT PROJECT NO.: 050715-DA1
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com	LAB USE ONLY

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

☐ LA - INVOICE REPORT FORMAT ☐ UST AGENCY:

GEOTRACKER MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)										TEMPERATURE ON RECEIPT: 3
	MW-1	7/15/05	0955	W	6	X	X		X							X										
	MW-2		1138			X	X			X						X										
	MW-3		1110			X	X			X			X	X		X										
	MW-4		1063			X	X			X						X										
	MW-5		1093			X	X			X						X										
	MW-6		0938			X	X			X						X										
	T-1	↓	1124	↓	↓	X	X		X							X										

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

Relinquished by: (Signature) David Allbut	Received by: (Signature) Sample Custodian	Date: 7/15/05	Time: 1454
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/18/05	Time: 1337
Relinquished by: (Signature) 7/18/05 1714	Received by: (Signature)	Date: 7/18/05	Time: 17:51

White, Yellow and Pink to Client

WELL GAUGING DATA

Project # 050715-DA1 Date 7/15/05 Client Shell

Site 105 5th St. Oakland, CA

	Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
	MW-1	4					5.93	23.50	TOC	
+	MW-2	4	0				5.35	23.55		
+	MW-3	4					5.75	25.04		
	MW-4	~~4~~ 2					7.27	19.90		
	MW-5	4	0				6.31	24.08		
	MW-6	2					5.47	24.02		
+	T-1	12					5.55	11.50		
	+ Gauged w/ stinger in well									

SHELL WELL MONITORING DATA SHEET

BTS #: 050715-DA-1	Site: 105 5th St. Oakland, CA
Sampler: DA	Date: 7/15/05
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 23.50	Depth to Water (DTW): 5.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.44	

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

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

1 Case Volume	Specified Volumes	Calculated Volume
11.4 (Gals.) X	3	= 34.2 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0948	71.0	6.0	489	38	11	clear
0950	71.3	6.4	439	38	22	"
0952	71.4	6.4	421	35	34.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 34.5

Sampling Date: 7/15/05 Sampling Time: 0955 Depth to Water: 8.95

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 050715-DA-1	Site: 105 5th St. Oakland, CA
Sampler: DA	Date: 7/15/05
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 23.55	Depth to Water (DTW): 5.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.99	

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

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

1 Case Volume		Specified Volumes		Calculated Volume
11.8	(Gals.) X	3	=	35.4 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1131	75.0	6.8	763	26	12	clear odor
1133	73.9	6.7	676	27	24	"
1135	73.2	6.8	618	28	35.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 35.5

Sampling Date: 7/15/05 Sampling Time: 1138 Depth to Water: 11.08 @ site departure

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

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

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 #: 050715-DA1	Site: 105 5th St. Oakland, CA
Sampler: DA	Date: 7/15/05
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 25.04	Depth to Water (DTW): 5.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.61	

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: ___

12.5 (Gals.) X 3 = 37.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1054	68.2	6.5	1302	29	12.5	clear
1056	68.2	6.6	1234	20	25	"
1058	68.1	6.7	1184	13	37.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 37.5

Sampling Date: 7/15/05 Sampling Time: 1110 Depth to Water: 6.90

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

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

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 #: 050715-DA1	Site: 105 5th St. Oakland, CA
Sampler: DA	Date: 7/15/05
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.90	Depth to Water (DTW): 7.27
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: (X) Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

1 Case Volume	Specified Volumes	Calculated Volume
2.0 (Gals.) X	3	= 6.0 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1016	66.8	6.3	1553	71000	2	tan, cloudy
1018	66.5	6.6	1647	71000	4	"
1020	66.1	6.6	1665	71000	6	"

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

Sampling Date: 7/15/05 Sampling Time: 1023 Depth to Water: traffic well

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 #: 050715-DA1	Site: 105 5th St. Oakland, CA
Sampler: DA	Date: 7/15/05
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.09	Depth to Water (DTW): 6.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.86	

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

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

11.6 (Gals.) X 3 = 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1035	68.2	6.8	877	47	12	clear, odor
1037	79.8	6.7	801	45	24	"
1039	70.0	6.6	778	44	35	"

Did well dewater? Yes (No) Gallons actually evacuated: 35

Sampling Date: 7/15/05 Sampling Time: 1043 Depth to Water: 9.75

Sample I.D.: MW-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 #: 050715-DA1	Site: 105 5th St. Oakland, CA
Sampler: DA	Date: 7/15/05
Well I.D.: MW-6	Well Diameter: ② 3 · 4 6 8 ____
Total Well Depth (TD): 24.02	Depth to Water (DTW): 5.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.18	

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: ____

3.10 (Gals.) X	3	= 9.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0918	74.0	6.1	314	71000	3	tan, cloudy
0921	71.8	6.1	298	71000	6	"
0924	71.4	6.0	296	71000	9	"

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Date: 7/15/05 Sampling Time: 0928 Depth to Water: traffic well

Sample I.D.: MW-6 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 #: 050715-DA1	Site: 105 5th St. Oakland, CA
Sampler: DA	Date: 7/15/05
Well I.D.: T-1	Well Diameter: 2 3 4 6 8 12
Total Well Depth (TD): 11.50	Depth to Water (DTW): 5.55
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]: 6.74	

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

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

34.9 (Gals.) X 3 = 104.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

12" = 5.87

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1108	75.4	6.7	1112	8	35	clear
1115	75.3	6.7	1104	7	70	"
1121	76.5	6.7	1103	7	105	"

Did well dewater? Yes (No) Gallons actually evacuated: 105

Sampling Date: 7/15/05 Sampling Time: 1124 Depth to Water: 5.56

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

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

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

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

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