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Alameda County
Environmental Health



Denis L. Brown

Shell Oil Products US

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

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: Shell-branded Service Station
105 Fifth Street
Oakland, California
SAP Code 135700
Incident No. 98995757
ACHCSA Case No. RO-0487

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Denis L. Brown", is written over a horizontal line.

Denis L. Brown
Project Manager



**CONESTOGA-ROVERS
& ASSOCIATES**

19449 Riverside Drive, Suite 230, Sonoma, California 95476
Telephone: 707-935-4850 Facsimile: 707-935-6649
www.CRAworld.com

July 9, 2007

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

Re: **Groundwater Monitoring Report – Second Quarter 2007**
Shell-branded Service Station
105 Fifth Street
Oakland, California
SAP Code 135700
Incident No. 98995757
ACHCSA Case No. RO-0487

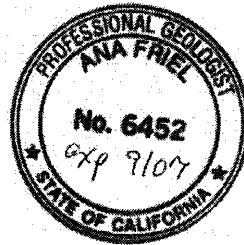
Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812.

Sincerely,
Conestoga-Rovers & Associates

Ana Friel, PG
Associate Geologist



Enclosure: Groundwater Monitoring Report - Second Quarter 2007

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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**CONESTOGA-ROVERS
& ASSOCIATES**

Mr. Jerry Wickham
July 9, 2007

GROUNDWATER MONITORING REPORT - SECOND QUARTER 2007

Site Address	<u>105 5th Street, Oakland California</u>
Site Use	<u>Shell-branded Service Station</u>
Shell Project Manager	<u>Denis Brown</u>
Consultant and Contact Person	<u>CRA, Ana Friel</u>
Lead Agency and Contact	<u>ACHCSA, Jerry Wickham</u>
Agency Case No.	<u>RO 0487</u>
Shell SAP Code	<u>135700</u>
Shell Incident No.	<u>98995757</u>
Date of Most Recent Agency Correspondence	<u>October 11, 2006</u>

Current Quarter's Activities

1. Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.
2. CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). The Blaine report, presenting the analytical data, is included in Attachment A.

Current Quarter's Findings

Groundwater Flow Direction	<u>Southeast</u>
Hydraulic Gradient	<u>0.005</u>
Depth to Water	<u>4.43 to 6.28 feet below top of well casing</u>



**CONESTOGA-ROVERS
& ASSOCIATES**

Mr. Jerry Wickham
July 9, 2007

Proposed Activities for Next Quarter

1. Blaine will gauge and sample wells during the first month of the quarter, according to the established monitoring program for this site.

DISCUSSION

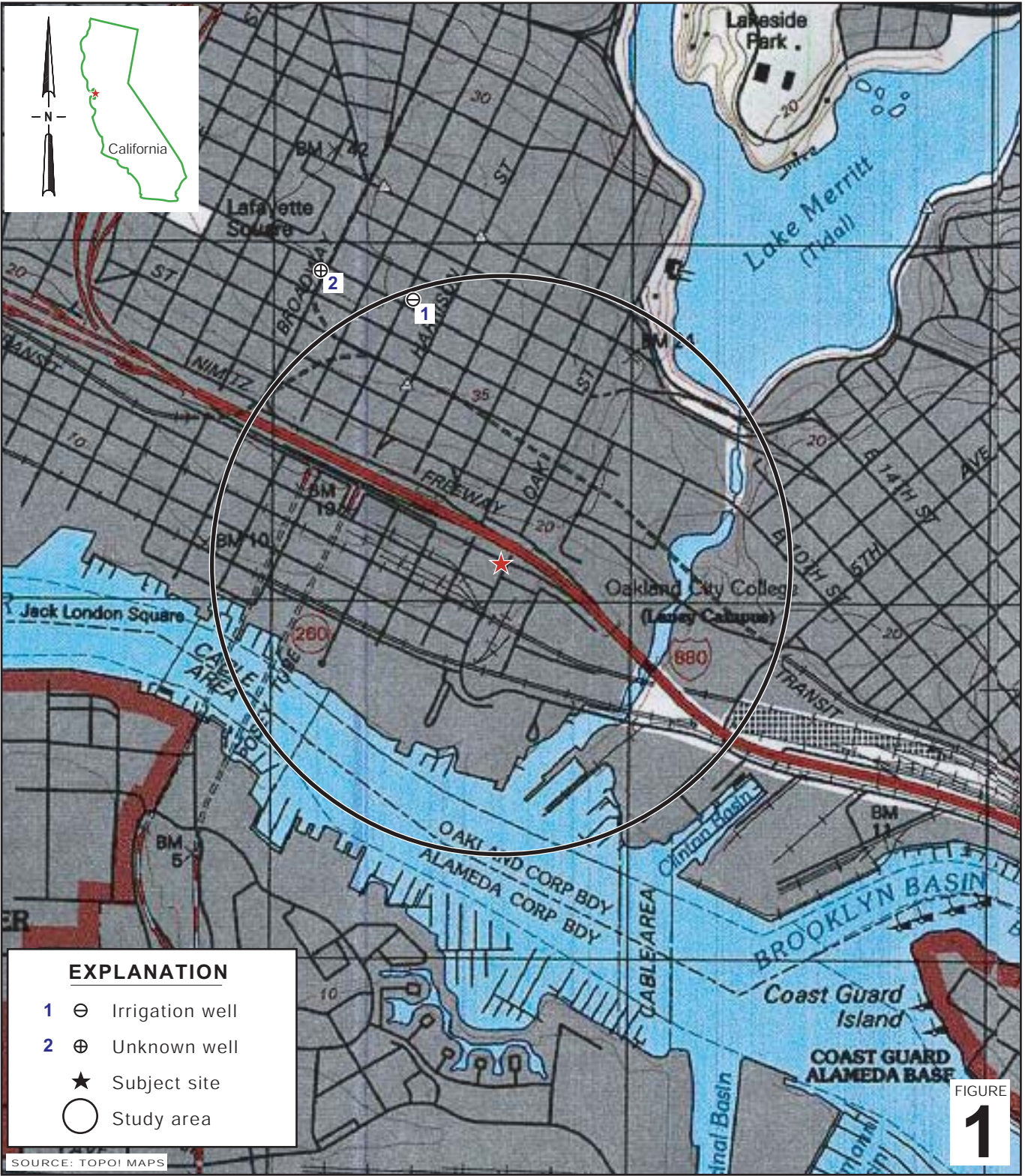
Cambria submitted the December 11, 2006 *Groundwater Monitoring Report, Risk Evaluation, and SCM* which recommended that the subject site be monitored for a complete hydrologic cycle following discontinuing the periodic groundwater extraction activities, and if declining trends were observed that closure should be recommended. Based on the data table in Attachment A, concentrations of MTBE in well MW-6 have rebounded to the current level of 1,200 micrograms per liter ($\mu\text{g/l}$), which is similar to concentrations prior to discontinuing the periodic extraction activities. However, a TBA concentration of 68 $\mu\text{g/l}$ was reported in MW-6 for this event, which may be indicative of microbial biodegradation of the MTBE near well MW-6. At this time, continued monitoring is recommended.

Figures: 1- Vicinity Map
2- Groundwater Contour and Chemical Concentration Map

Attachments: A - Blaine Tech Services, Inc. - Groundwater Monitoring Report

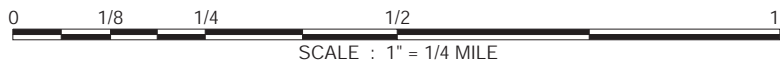
CRA prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to CRA from outside sources and/or in the public domain, and partially on information supplied by CRA and its subcontractors. CRA makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by CRA. This document represents the best professional judgment of CRA. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.

I:\Sonoma.Shell\Oakland 105 Fifth\Qm\2007\2Q07\2Q07 0472 text.doc



I:\SONOMA-SHELL\OAKLAND_105_5TH\Figure 1 VICINITY.A1

SOURCE: TOPOI MAPS

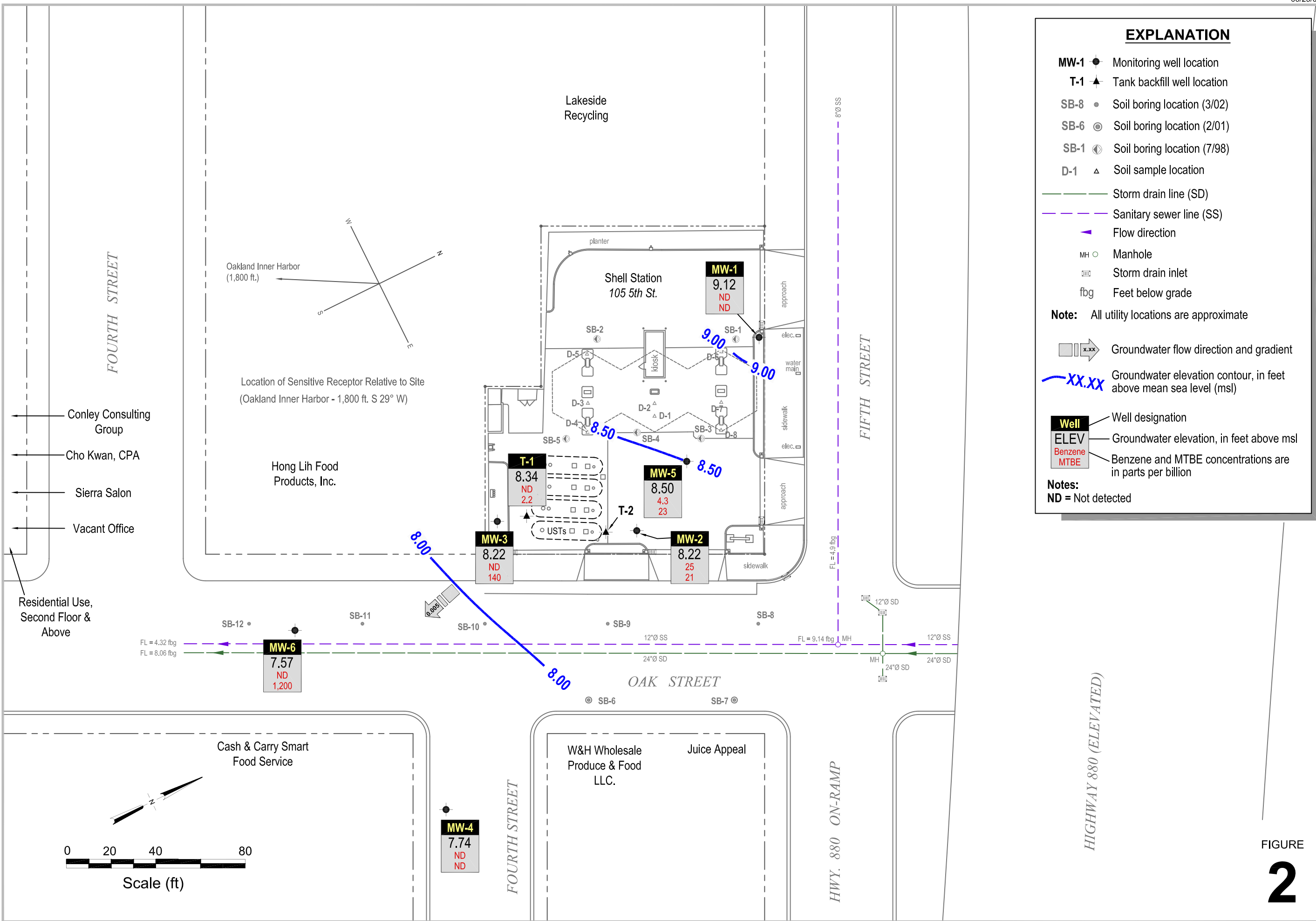


Shell-branded Service Station
 105 Fifth Street
 Oakland, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map



FIGURE

2

I:\SONOMA-SHELL\OAKLAND_105 5TH\FIGURES\2QM07.DWG

0 20 40 80
Scale (ft)

- Conley Consulting Group
- Cho Kwan, CPA
- Sierra Salon
- Vacant Office

Oakland Inner Harbor
(1,800 ft.)

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

Hong Lih Food Products, Inc.

Lakeside Recycling

Shell Station
105 5th St.

Cash & Carry Smart Food Service

W&H Wholesale Produce & Food LLC.

Juice Appeal

HIGHWAY 880 (ELEVATED)

HWY. 880 ON-RAMP

FOURTH STREET

FIFTH STREET

OAK STREET

FOURTH STREET

MW-4
7.74
ND
ND

MW-1
9.12
ND
ND

MW-5
8.50
4.3
23

MW-2
8.22
25
21

MW-3
8.22
ND
140

MW-6
7.57
ND
1,200

T-1
8.34
ND
2.2

Attachment A

**Blaine Tech Services, Inc.
Groundwater Monitoring Report**

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

May 14, 2007

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

Second Quarter 2007 Groundwater Monitoring at
Shell-branded Service Station
105 5th Street
Oakland, CA

Monitoring performed on April 2, 2007

Groundwater Monitoring Report **070402-DW-2**

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

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

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

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

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Manager

MN/ks

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

cc: Ana Friel
Conestoga-Rovers & Associates
19449 Riverside Dr., Suite 230
Sonoma, CA 95476

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-1	01/24/2006	<50.0	<105	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	14.92	5.59	9.33	NA
MW-1	04/14/2006	<50.0	<50.0 h	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	14.92	5.13	9.79	NA
MW-1	07/25/2006	<50.0	<94.3	<0.500	0.770	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	14.92	5.85	9.07	NA
MW-1	10/11/2006	<50.0	<46.9 h	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	14.92	6.00	8.92	NA
MW-1	01/19/2007	<50	<50 h	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	14.92	5.95	8.97	NA
MW-1	04/02/2007	<50 l	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	14.92	5.80	9.12	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-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
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-2	01/24/2006	1,570	712 g	18.9	<0.500	20.9	<0.500	NA	47.7	NA	NA	NA	NA	NA	NA	NA	13.57	5.15	8.42	NA
MW-2	04/14/2006	1,430	763 h	23.5	2.61	28.3	41.0	NA	61.0	NA	NA	NA	915	NA	NA	NA	13.57	4.72	8.85	NA
MW-2	07/25/2006	234	455	6.32 i	<0.500	1.22	<0.500	NA	26.4	<0.500	<0.500	<0.500	591	NA	NA	NA	13.57	5.26	8.31	NA
MW-2	10/11/2006	1,800	585 h	13.3	<0.500	10.1	<0.500	NA	24.2	<0.500	<0.500	<0.500	570	NA	NA	NA	13.57	5.46	8.11	NA
MW-2	01/19/2007	870	250 h	13	0.37 j	13	<1.0	NA	24	<1.0	<1.0	<1.0	620	NA	NA	NA	13.57	5.55	8.02	NA
MW-2	04/02/2007	1,500 l	1,000 h	25	0.71 n	31	0.76 n	NA	21	<2.0	<2.0	<2.0	660	NA	NA	NA	13.57	5.35	8.22	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	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
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-3	01/24/2006	3,050	414 f	<0.500	<0.500	<0.500	<0.500	NA	2,150	NA	NA	NA	5,510	NA	NA	NA	13.96	5.63	8.33	NA
MW-3	04/14/2006	2,070	762 h	<0.500	<0.500	<0.500	<0.500	NA	1,720	NA	NA	NA	3,240	NA	NA	NA	13.96	5.20	8.76	NA
MW-3	07/25/2006	403	332	<0.500	<0.500	<0.500	<0.500	NA	318	<0.500	<0.500	<0.500	1,110	<0.500	<0.500	NA	13.96	5.76	8.20	NA
MW-3	10/11/2006	485	620 h	<0.500	<0.500	<0.500	<0.500	NA	269	<0.500	<0.500	<0.500	552	NA	NA	NA	13.96	5.90	8.06	NA
MW-3	01/19/2007	47 j	<50 h	<0.50	<0.50	<0.50	<1.0	NA	5.9	<1.0	<1.0	<1.0	110	NA	NA	NA	13.96	6.00	7.96	NA
MW-3	04/02/2007	100 l,m	300 h	<0.50	<1.0	<1.0	<1.0	NA	140	<2.0	<2.0	<2.0	330	NA	NA	NA	13.96	5.74	8.22	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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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
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-4	01/24/2006	<50.0	<108	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	12.17	4.80	7.37	NA
MW-4	04/14/2006	<50.0	127 h	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	NA	12.17	6.00	6.17	NA
MW-4	07/25/2006	<50.0	129	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	44.8	NA	NA	NA	12.17	7.31	4.86	NA
MW-4	10/11/2006	<50.0	218 h	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	12.17	7.65	4.52	NA
MW-4	01/19/2007	<50	<50 h	<0.50	<0.50	<0.50	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	12.17	4.54	7.63	NA
MW-4	04/02/2007	<50 l	86 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	NA	12.17	4.43	7.74	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

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	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	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	10/08/2004	<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-5	01/24/2006	<50.0	<105	0.840	<0.500	3.53	<0.500	NA	45.2	NA	NA	NA	NA	NA	NA	NA	14.78	6.10	8.68	NA
MW-5	04/14/2006	<50.0	89.2 h	3.00	<0.500	2.70	<0.500	NA	45.8	NA	NA	NA	24.6	NA	NA	NA	14.78	5.63	9.15	NA
MW-5	07/25/2006	59.2	109	1.20	<0.500	3.48	<0.500	NA	37.2	<0.500	<0.500	<0.500	54.2	NA	NA	NA	14.78	6.22	8.56	NA
MW-5	10/11/2006	146	172 h	4.69	<0.500	12.6	<0.500	NA	26.2	<0.500	<0.500	<0.500	22.7	NA	NA	NA	14.78	6.41	8.37	NA
MW-5	01/19/2007	120	<50 h	3.5	<0.50	2.6	<1.0	NA	28	<1.0	<1.0	<1.0	13	NA	NA	NA	14.78	6.45	8.33	NA
MW-5	04/02/2007	180 l	270 h	4.3	<1.0	8.5	0.49 n	NA	23	<2.0	<2.0	<2.0	22	NA	NA	NA	14.78	6.28	8.50	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
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
MW-6	01/24/2006	1,690	<111	<0.500	<0.500	<0.500	<0.500	NA	1,270	NA	NA	NA	NA	NA	NA	NA	12.91	5.27	7.64	NA
MW-6	04/14/2006	1,200	<50.0 h	<0.500	<0.500	<0.500	<0.500	NA	1,300	NA	NA	NA	NA	NA	NA	NA	12.91	4.93	7.98	NA
MW-6	07/25/2006	<50.0	<94.3	<0.500	<0.500	<0.500	<0.500	NA	916	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	12.91	5.38	7.53	NA

WELL CONCENTRATIONS
Shell-branded Service Station
105 5th Street
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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	10/11/2006	785	54.8 h	<0.500	<0.500	<0.500	<0.500	NA	673	<0.500	<0.500	<0.500	<10.0	NA	NA	NA	12.91	5.52	7.39	NA
MW-6	01/19/2007	600 k	<50 h	<5.0	<5.0	<5.0	<10	NA	920	<10	<10	<10	<100	NA	NA	NA	12.91	5.43	7.48	NA
MW-6	04/02/2007	240 l,m	110 h	<0.50	<1.0	<1.0	<1.0	NA	1,200	<2.0	<2.0	<2.0	68	NA	NA	NA	12.91	5.34	7.57	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
T-1	01/24/2006	<50.0	2,610 f	<0.500	<0.500	<0.500	<0.500	NA	18.5	NA	NA	NA	NA	NA	NA	NA	13.85	5.45	8.40	NA
T-1	04/14/2006	<50.0	2,550 h	<0.500	<0.500	<0.500	<0.500	NA	5.29	NA	NA	NA	NA	NA	NA	NA	13.85	5.11	8.74	NA
T-1	07/25/2006	<50.0	544	<0.500	<0.500	<0.500	<0.500	NA	9.73	NA	NA	NA	248	NA	NA	NA	13.85	5.53	8.32	NA
T-1	10/11/2006	<50.0	1,540 h	<0.500	<0.500	<0.500	<0.500	NA	4.28	1.22	1.93	2.30	91.6	NA	NA	NA	13.85	5.65	8.20	NA
T-1	01/19/2007	<50	83 h	<0.50	<0.50	<0.50	<1.0	NA	0.58 j	<1.0	<1.0	<1.0	6.0 j	NA	NA	NA	13.85	5.77	8.08	NA
T-1	04/02/2007	79 l	680 h	<0.50	<1.0	<1.0	<1.0	NA	2.2	<2.0	<2.0	<2.0	51	NA	NA	NA	13.85	5.51	8.34	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

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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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.

f = TPH pattern is characteristic of diesel fuel.

g = TPH pattern is characteristic of gasoline.

h = TEPH with Silica Gel clean-up

i = Analyte reported with failing QC due to insufficient sample and hold time requirements.

j = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

k = Hydrocarbon result partly due to individual peak(s) in quantitation range.

l = Analyzed by EPA Method 8015B (M).

m = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

n = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

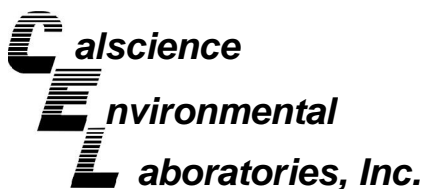
Ethanol analyzed by EPA Method 8260B.

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.



April 10, 2007

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **CalScience Work Order No.: 07-04-0231**
Client Reference: 105 5th Street , Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/4/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'Don Burley', is written over a white background.

CalScience Environmental
Laboratories, Inc.
Don Burley
Project Manager

Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: 105 5th Street , Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
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MW-1	07-04-0231-1	04/02/07	Aqueous	GC 23	04/05/07	04/06/07	070405B02
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	80	68-140	

MW-2	07-04-0231-2	04/02/07	Aqueous	GC 23	04/05/07	04/06/07	070405B02
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	1000	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	80	68-140	

MW-3	07-04-0231-3	04/02/07	Aqueous	GC 23	04/05/07	04/06/07	070405B02
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	300	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	68-140	

MW-4	07-04-0231-4	04/02/07	Aqueous	GC 23	04/05/07	04/06/07	070405B02
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	86	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: 105 5th Street , Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
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MW-5	07-04-0231-5	04/02/07	Aqueous	GC 23	04/05/07	04/06/07	070405B02
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	270	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	112	68-140	

MW-6	07-04-0231-6	04/02/07	Aqueous	GC 23	04/05/07	04/06/07	070405B02
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	110	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	68-140	

T-1	07-04-0231-7	04/02/07	Aqueous	GC 23	04/05/07	04/06/07	070405B02
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Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	680	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	68-140	

Method Blank	099-12-330-145	N/A	Aqueous	GC 23	04/05/07	04/06/07	070405B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 105 5th Street , Oakland, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-04-0231-1	04/02/07	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	07-04-0231-2	04/02/07	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	1500	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	164	38-134		2	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	07-04-0231-3	04/02/07	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	100	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	07-04-0231-4	04/02/07	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	84	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 105 5th Street , Oakland, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-04-0231-5	04/02/07	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	180	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	90	38-134			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-04-0231-6	04/02/07	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	240	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
T-1	07-04-0231-7	04/02/07	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	79	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	81	38-134			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-12-436-271	N/A	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	84	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 105 5th Street , Oakland, CA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-04-0231-1	04/02/07	Aqueous	GC/MS Z	04/08/07	04/09/07	070408L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	112	74-140				1,2-Dichloroethane-d4	110	74-146			
Toluene-d8	100	88-112				1,4-Bromofluorobenzene	93	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	07-04-0231-2	04/02/07	Aqueous	GC/MS Z	04/08/07	04/09/07	070408L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

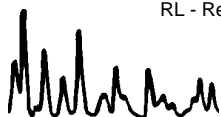
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	25	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	21	1.0	0.23	1	
Ethylbenzene	31	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	660	10	9.2	1	
Toluene	0.71	1.0	0.23	1	J	Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	0.52	1.0	0.27	1	J	Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	0.24	1.0	0.17	1	J	Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	109	74-140				1,2-Dichloroethane-d4	106	74-146			
Toluene-d8	103	88-112				1,4-Bromofluorobenzene	99	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	07-04-0231-3	04/02/07	Aqueous	GC/MS Z	04/08/07	04/09/07	070408L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	140	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	330	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	112	74-140				1,2-Dichloroethane-d4	109	74-146			
Toluene-d8	100	88-112				1,4-Bromofluorobenzene	95	74-110			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 105 5th Street , Oakland, CA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	07-04-0231-4	04/02/07	Aqueous	GC/MS Z	04/08/07	04/09/07	070408L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	113	74-140				1,2-Dichloroethane-d4	108	74-146			
Toluene-d8	101	88-112				1,4-Bromofluorobenzene	96	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-04-0231-5	04/02/07	Aqueous	GC/MS Z	04/08/07	04/09/07	070408L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

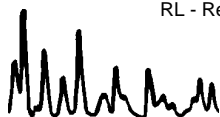
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	4.3	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	23	1.0	0.23	1	
Ethylbenzene	8.5	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	22	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	0.49	1.0	0.27	1	J	Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	106	74-140				1,2-Dichloroethane-d4	104	74-146			
Toluene-d8	102	88-112				1,4-Bromofluorobenzene	96	74-110			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-04-0231-6	04/02/07	Aqueous	GC/MS Z	04/08/07	04/09/07	070408L02

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	1200	25	5.6	25	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	68	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	111	74-140				1,2-Dichloroethane-d4	106	74-146			
Toluene-d8	100	88-112				1,4-Bromofluorobenzene	95	74-110			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 105 5th Street , Oakland, CA

Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
T-1	07-04-0231-7	04/02/07	Aqueous	GC/MS S	04/10/07	04/10/07	070410L01

Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	2.2	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	51	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	117	74-140				1,2-Dichloroethane-d4	118	74-146			
Toluene-d8	98	88-112				1,4-Bromofluorobenzene	86	74-110			

Method Blank	099-10-006-20,953	N/A	Aqueous	GC/MS Z	04/08/07	04/09/07	070408L02
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

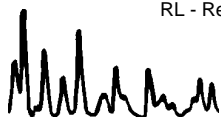
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	113	74-140				1,2-Dichloroethane-d4	109	74-146			
Toluene-d8	101	88-112				1,4-Bromofluorobenzene	95	74-110			

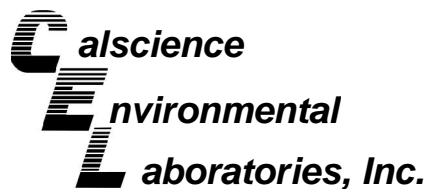
Method Blank	099-10-006-20,973	N/A	Aqueous	GC/MS S	04/10/07	04/10/07	070410L01
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Comment(s): -Results were evaluated to the MDL, concentrations \geq to the MDL but $<$ RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.19	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.23	1	
Ethylbenzene	ND	1.0	0.13	1		Tert-Butyl Alcohol (TBA)	ND	10	9.2	1	
Toluene	ND	1.0	0.23	1		Diisopropyl Ether (DIPE)	ND	2.0	0.39	1	
p/m-Xylene	ND	1.0	0.27	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.46	1	
o-Xylene	ND	1.0	0.17	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.50	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>			<u>Qual</u>
Dibromofluoromethane	116	74-140				1,2-Dichloroethane-d4	119	74-146			
Toluene-d8	96	88-112				1,4-Bromofluorobenzene	85	74-110			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

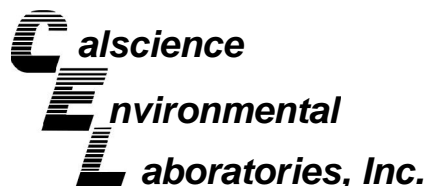
Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 105 5th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-1	Aqueous	GC 24	04/05/07	04/05/07	070405S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	93	89	68-122	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

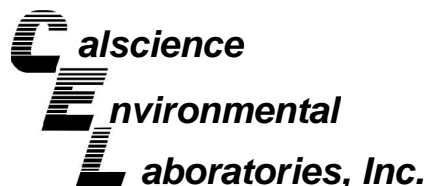
Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8260B

Project 105 5th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-6	Aqueous	GC/MS Z	04/08/07	04/09/07	070408S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	96	88-118	4	0-7	
Carbon Tetrachloride	105	100	67-145	5	0-11	
Chlorobenzene	102	100	88-118	2	0-7	
1,2-Dichlorobenzene	101	96	86-116	5	0-8	
1,1-Dichloroethene	86	79	70-130	8	0-25	
Toluene	103	101	87-123	2	0-8	
Trichloroethene	99	93	79-127	5	0-10	
Vinyl Chloride	87	85	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	0	0	71-131	1	0-13	3
Tert-Butyl Alcohol (TBA)	64	69	36-168	5	0-45	
Diisopropyl Ether (DIPE)	85	82	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	81	79	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	86	85	72-126	2	0-12	
Ethanol	65	69	53-149	6	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

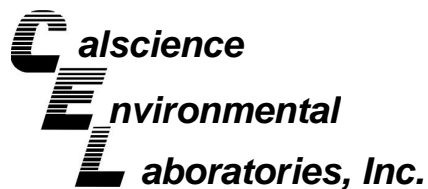
Date Received: 04/04/07
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8260B (8021B List)

Project 105 5th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-04-0312-1	Aqueous	GC/MS S	04/10/07	04/10/07	070410S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	88-118	0	0-7	
Carbon Tetrachloride	91	90	67-145	1	0-11	
Chlorobenzene	99	99	88-118	1	0-7	
1,2-Dichlorobenzene	92	94	86-116	1	0-8	
1,1-Dichloroethene	92	91	70-130	2	0-25	
Toluene	97	98	87-123	0	0-8	
Trichloroethene	97	98	79-127	1	0-10	
Vinyl Chloride	79	79	69-129	0	0-13	
Methyl-t-Butyl Ether (MTBE)	82	87	71-131	6	0-13	
Tert-Butyl Alcohol (TBA)	79	91	36-168	14	0-45	
Diisopropyl Ether (DIPE)	97	99	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	86	89	72-126	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	100	72-126	6	0-12	
Ethanol	83	89	53-149	6	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

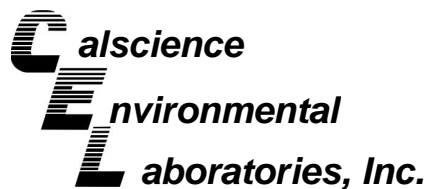
Date Received: N/A
Work Order No: 07-04-0231
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: 105 5th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-330-145	Aqueous	GC 23	04/05/07	04/06/07	070405B02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	93	100	75-117	7	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

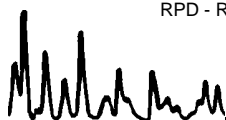
Date Received: N/A
 Work Order No: 07-04-0231
 Preparation: EPA 5030B
 Method: EPA 8015B (M)

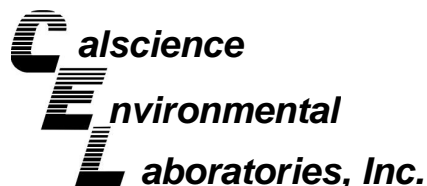
Project: 105 5th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-271	Aqueous	GC 24	04/05/07	04/05/07	070405B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	96	92	78-120	5	0-10	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

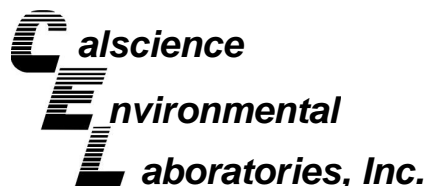
Date Received: N/A
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8260B

Project: 105 5th Street , Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-20,953	Aqueous	GC/MS Z	04/08/07	04/09/07	070408L02

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	97	97	84-120	0	0-8	
Carbon Tetrachloride	101	101	63-147	0	0-10	
Chlorobenzene	101	102	89-119	1	0-7	
1,2-Dichlorobenzene	99	102	89-119	2	0-9	
1,1-Dichloroethene	84	82	77-125	2	0-16	
Toluene	101	102	83-125	0	0-9	
Trichloroethene	103	104	89-119	1	0-8	
Vinyl Chloride	86	84	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	85	86	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	71	70	46-154	1	0-32	
Diisopropyl Ether (DIPE)	85	86	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	84	85	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	89	76-124	1	0-10	
Ethanol	67	60	60-138	11	0-32	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 07-04-0231
Preparation: EPA 5030B
Method: EPA 8260B

Project: 105 5th Street , Oakland, CA

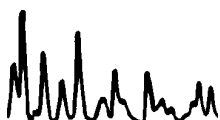
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-20,973	Aqueous	GC/MS S	04/10/07	04/10/07	070410L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	96	84-120	3	0-8	
Carbon Tetrachloride	89	88	63-147	0	0-10	
Chlorobenzene	100	97	89-119	3	0-7	
1,2-Dichlorobenzene	96	94	89-119	3	0-9	
1,1-Dichloroethene	92	88	77-125	4	0-16	
Toluene	97	94	83-125	4	0-9	
Trichloroethene	98	95	89-119	3	0-8	
Vinyl Chloride	81	78	63-135	4	0-13	
Methyl-t-Butyl Ether (MTBE)	84	79	82-118	6	0-13	X
Tert-Butyl Alcohol (TBA)	81	68	46-154	17	0-32	
Diisopropyl Ether (DIPE)	98	96	81-123	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	88	86	74-122	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	95	76-124	3	0-10	
Ethanol	94	86	60-138	8	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 07-04-0231

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.





SHELL Chain Of Custody Record

- LAB: TA - Irvine, California
 TA - Morgan Hill, California
 TA - Sacramento, California
 TA - Nashville, Tennessee
 Calscience
 Other _____

NAME OF PERSON TO BILL: Denis Brown

ENVIRONMENTAL SERVICES

NETWORK DEV / FE

COMPLIANCE

BILL CONSULTANT

RMT/CRMT

CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY)

9 8 9 9 5 7 5 7

DATE: 4-2-07

PAGE: 1 of 1

SAMPLING COMPANY: **Blaine Tech Services** LOG CODE: **BTSS**

ADDRESS: **1680 Rogers Avenue, San Jose, CA 95112**

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

TELEPHONE: **408-573-0555** FAX: **408-573-7771** E-MAIL: **mninokata@blainetech.com**

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): STD 5 DAY 3 DAY 2 DAY 24 HOURS RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES: **Run TPHd With Silica Gel Clean Up**

- EDD NOT NEEDED
 SHELL CONTRACT RATE APPLIES
 STATE REIMB RATE APPLIES
 RECEIPT VERIFICATION REQUESTED

SITE ADDRESS: Street and City **105 5th Street, Oakland** State **CA** GLOBAL ID NO.: **T0600102116**

EDF DELIVERABLE TO (Name, Company, Office Location): **Ana Friel, Cambria, Eureka Office** PHONE NO.: **(707) 268-3812** E-MAIL: **sonomaedf@cambria-env.com** CONSULTANT PROJECT NO.: **070400-DW-2**

SAMPLER NAME(S) (Print): **Dave Walter** LAB USE ONLY

07-04-0231

REQUESTED ANALYSIS

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

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH-motor oil (8015M)	TDS (160.1)	Total Iron (6010B)	Total Lead (6010B)	Total Oil and Grease (1664A)	TEMPERATURE ON RECEIPT C°
		DATE	TIME																					
1	MW-1	4-2	1321	W	7	X	X	X	X															
2	MW-2	↓	1456	↓	↓	X	X	X	X															
3	MW-3	↓	1417	↓	↓	X	X	X	X															
4	MW-4	↓	1220	↓	↓	X	X	X	X															
5	MW-5	↓	1434	↓	↓	X	X	X	X															
6	MW-6	↓	1249	↓	↓	X	X	X	X															
7	T-1	↓	1355	↓	↓	X	X	X	X															

Relinquished by: (Signature) **David C. Walt**

Received by: (Signature) **David C. Walt (Sample Custodian)**

Date: **4-2-07**

Time: **1610**

Relinquished by: (Signature) **Shipped via GSO**

Received by: (Signature) _____

Date: **4/3/07**

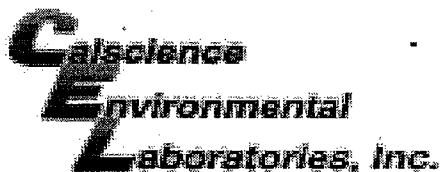
Time: **1730**

Relinquished by: (Signature) **BW**

Received by: (Signature) **SK Infama (CCL)**

Date: **04-04-07**

Time: **1200**



WORK ORDER #: 07 - 04 - 0231

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blane Tech

DATE: 04.04.07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
Chilled, cooler without temperature blank.
Chilled and placed in cooler with wet ice.
Ambient and placed in cooler with wet ice.
Ambient temperature.
C Temperature blank.

LABORATORY (Other than Calscience Courier):

- C Temperature blank.
3.6 C IR thermometer.
Ambient temperature.

Initial: SF

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact):

Not Present:

Initial: SF

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: SF

COMMENTS:

SHELL WELLHEAD INSPECTION FORM
(FOR SAMPLE TECHNICIAN)

Site Address 105 5th St oakland

Date 4-2-07

Job Number 070402-Dw-2

Technician DW

Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X	X							
MW-2	X	X							
MW-3	X	X							
MW-4		X		X	X				
MW-5	X	X							
MW-6	X	X	X						
T-1	X								

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12" or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12" or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes: _____

WELL GAUGING DATA

Project # 070402-DW-2 Date 4-2-07 Client Shell

Site 105 5th St Oakland

Well ID	Time	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>	Notes
MW-1	1135	4					5.80	23.58	↓	
MW-2	1152	4				*5.35	23.55			
MW-3	1143	4				*5.74	24.80			
MW-4	1200	2				4.43	19.95			
MW-5	1148	4				6.28	24.15			
MW-6	1228	2				5.34	24.10			
T-1	1140	12				*5.51	11.54	↓		

*gauged w/stinger in well

SHELL WELL MONITORING DATA SHEET

BTS #: 070402-DW-2		Site: 105 5th St	
Sampler: DW		Date: 4-2-07	
Well I.D.: MW-1		Well Diameter: 2 3 4 6 8	
Total Well Depth (TD): 23.58		Depth to Water (DTW): 5.80	
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to: PVD Grade		D.O. Meter (if req'd): YSI HACH	
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.35			

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.		Well Diameter	Multiplier	Well Diameter	Multiplier	
I Case Volume	Specified Volumes	Calculated Volume				
			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
1310	65.1	6.9	453	43	11.6	
1313	65.5	6.8	443	82	23.2	
1316	65.6	6.8	428	75	34.8	

Did well dewater? Yes **No** Gallons actually evacuated: **34.8**

Sampling Date: **4-2-07** Sampling Time: **1321** Depth to Water: **9.27**

Sample I.D.: **MW-1** Laboratory: STL Other: **Cal Science**

Analyzed for: **TPH-G** **BTEX** MTBE **TPH-D** Other: **Any's**

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>070402-DW-2</u>	Site: <u>105 5th St</u>
Sampler: <u>DW</u>	Date: <u>4-2-07</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>23.55</u>	Depth to Water (DTW): <u>5.35</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>8.99</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible

Water: Waterra Peristaltic Extraction Pump Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing

Other: _____

<u>11.8</u> (Gals.) X <u>3</u> = <u>35.4</u> Gals. I Case Volume 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
<u>1446</u>	<u>68.5</u>	<u>6.6</u>	<u>952</u>	<u>20</u>	<u>11.8</u>	
<u>1449</u>	<u>68.4</u>	<u>6.6</u>	<u>1041</u>	<u>12</u>	<u>23.6</u>	
<u>1451</u>	<u>68.2</u>	<u>6.7</u>	<u>974</u>	<u>9</u>	<u>35.4</u>	

Did well dewater? Yes No Gallons actually evacuated: 35.4

Sampling Date: 4-2-07 Sampling Time: 1456 Depth to Water: 8.80

Sample I.D.: MW-2 Laboratory: STL Other: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxy's

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 #: 070402-DW-2	Site: 105 5th St
Sampler: DW	Date: 4-2-07
Well I.D.: MW-3	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 24.80	Depth to Water (DTW): 5.74
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]: 9.55	

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

12.4 (Gals.) X	3	=	37.2 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
1407	64.8	6.8	949	>1000	12.4	
1410	64.9	6.7	972	>1000	24.8	
1412	65.0	6.7	948	136	37.2	

Did well dewater? Yes **No** Gallons actually evacuated: **37.2**

Sampling Date: **4-2-07** Sampling Time: **1417** Depth to Water: **9.50**

Sample I.D.: **MW-3** Laboratory: STL Other: **Cal Science**

Analyzed for: **TPH-C** **BTEX** MTBE **TPH-D** Other: **Oxy's**

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 #: 070402-DW-2	Site: 105 5th St
Sampler: DW	Date: 4-2-07
Well I.D.: mw-4	Well Diameter: 2 3 4 6 8 _____
Total Well Depth (TD): 19.95	Depth to Water (DTW): 4.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.53	

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: _____

2.5 (Gals.) X **3** = **7.5** Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1210	63.6	6.6	1412	189	2.5	
1213	63.8	6.6	1533	>1000	5.0	
1215	63.9	6.7	1551	>1000	7.5	

Did well dewater? Yes No Gallons actually evacuated: **7.5**

Sampling Date: **4-2-07** Sampling Time: **1220** Depth to Water: **9.60**

Sample I.D.: **mw-4** Laboratory: STL Other: **Cal Science**

Analyzed for: TPH-C BTEX MTBE TPH-D Other: **Oxy's**

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>070402-DW-2</u>	Site: <u>105 5th St</u>
Sampler: <u>DW</u>	Date: <u>4-2-07</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>24.15</u>	Depth to Water (DTW): <u>6.28</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>9.85</u>	

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

Other: _____

<u>11.6</u> (Gals.) X <u>3</u> = <u>34.8</u> Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <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> </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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1424</u>	<u>69.2</u>	<u>6.5</u>	<u>700</u>	<u>51</u>	<u>11.6</u>	
<u>1426</u>	<u>70.0</u>	<u>6.5</u>	<u>679</u>	<u>42</u>	<u>23.2</u>	
<u>1429</u>	<u>69.5</u>	<u>6.6</u>	<u>661</u>	<u>38</u>	<u>34.8</u>	

Did well dewater? Yes No Gallons actually evacuated: 34.8

Sampling Date: 4-2-07 Sampling Time: 1434 Depth to Water: 9.85

Sample I.D.: MW-5 Laboratory: STL Other: Cal Science

Analyzed for: TPH-C BTEX MTBE TPH-D Other: Oxy's

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>070402-DW-2</u>	Site: <u>105 5th St</u>
Sampler: <u>DW</u>	Date: <u>4-2-07</u>
Well I.D.: <u>MW-6</u>	Well Diameter: <u>②</u> 3 4 6 8
Total Well Depth (TD): <u>24.10</u>	Depth to Water (DTW): <u>5.34</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>9.09</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

<u>3</u> (Gals.) X	<u>3</u>	=	<u>9</u> Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>μS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1236</u>	<u>65.5</u>	<u>6.9</u>	<u>315</u>	<u>>1000</u>	<u>3</u>	
<u>1240</u>	<u>66.2</u>	<u>6.8</u>	<u>301</u>	<u>>1000</u>	<u>6</u>	
<u>1244</u>	<u>66.2</u>	<u>6.7</u>	<u>312</u>	<u>>1000</u>	<u>9</u>	

Did well dewater? Yes No Gallons actually evacuated: 9

Sampling Date: 4-2-07 Sampling Time: 1249 Depth to Water: 6.05

Sample I.D.: MW-6 Laboratory: STL Other: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oil's

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 #: 070402-DW-2	Site: 105 5 th St
Sampler: DW	Date: 4-2-07
Well I.D.: T-1	Well Diameter: 2 3 4 6 8 <u>(12)</u>
Total Well Depth (TD): 11.54	Depth to Water (DTW): 5.51
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]: 6.71	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible

Water: Peristaltic Extraction Pump Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing

Other: _____

35.3 (Gals.) X	3	= 105.9 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
1337	65.5	6.7	843	22	35.3	
1344	65.6	6.8	865	9	70.6	
1351	65.1	6.8	874	6	105.9	

Did well dewater? Yes No Gallons actually evacuated: 105.9

Sampling Date: 4-2-07 Sampling Time: 1355 Depth to Water: 5.51

Sample I.D.: T-1 Laboratory: STL Other: Cal Science

Analyzed for: TPH-C BTEX MTBE TPH-D Other: Any's

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