

20404



Denis L. Brown

Shell Oil Products US

May 24, 2005

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

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

Alameda County
MAY 31 2005
Environmental Health

Re: First Quarter 2005 Monitoring Report
Former Shell Service Station/Current 24-7 Quick Mart Service Station
8930 Bancroft Avenue
Oakland, California
SAP Code 135678
Incident No. 98995742

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Sr. Environmental Engineer

May 24, 2005

Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: First Quarter 2005 Monitoring Report
Former Shell Service Station/Current 24-7 Quick Mart Service Station
8930 Bancroft Avenue
Oakland, California
Incident #98995742
Cambria Project #247-1408-002
SAP #135678
ACEH Case #3962

Alameda County
MAY 31 2005
Environmental Team



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. The site is located on the corner of Bancroft Avenue and 90th Avenue in Oakland, California (Figures 1 and 2). Shell ceased operations in July 1999 when three 10,000-gallon fiberglass underground storage tanks, associated piping, and dispensers were removed and replaced at the site. The site is currently owned and operated by 24-7 Quick-Mart.

REMEDIATION SUMMARY

2000 Mobile Groundwater Extraction (GWE): Weekly mobile GWE was performed on well MW-4 during March through May 2000. Mobile GWE is the process of extracting groundwater from wells using a vacuum truck. In this process, the vacuum created by the truck is applied to a dedicated extraction "stinger" installed in the extraction well. The extracted water is contained by the truck and removed from the site for disposal. The volume of extracted fluid is recorded and used to calculate the quantity of aqueous-phase constituents removed from the subsurface. Approximately 1,875 gallons of water were extracted from well MW-4, and an estimated total of 0.003 pounds of total petroleum hydrocarbons as gasoline (TPHg) and 0.1 pounds of methyl tertiary butyl ether (MTBE) was removed. GWE was discontinued due to low extraction volumes.

**Cambria
Environmental
Technology, Inc.**

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

2002 and 2003 Mobile GWE: Due to the presence of separate phase hydrocarbons (SPH) in well MW-5 beginning in February 2002, four additional weekly mobile GWE events using well MW-5 were conducted at the site in August 2002. An estimated total of 0.04 pounds of TPHg and 0.10 pounds of MTBE was removed from the subsurface. During the initial extraction event, approximately 0.02 feet of SPH were measured in well MW-5 prior to extraction. No SPH had been detected in MW-5 since the August 2002 extraction events; however, SPH was encountered once again in well MW-5 during the June 30, 2003 sampling event. Cambria reinstated mobile GWE for two semi-weekly events in September 2003.



FIRST QUARTER 2005 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a vicinity map that includes previously submitted well survey information (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

During the September 2, 2004 quarterly monitoring event, approximately 0.07 feet of SPH were observed in well MW-5. On December 15, 2004, Blaine verbally reported to Cambria that hydrocarbon sheen was observed on water extracted from well MW-5 during the sampling event on December 14, 2004. However, Blaine was able to sample the well since there was no measurable SPH observed. No SPH or hydrocarbon sheen was observed when a sample was collected from well MW-5 during the first quarter 2005 sampling event.

ANTICIPATED SECOND QUARTER 2005 ACTIVITIES


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

CLOSING

We appreciate the opportunity to work with you on this project. Please call David Gibbs at (510) 420-3363 if you have any questions or comments.

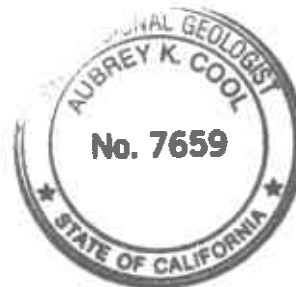
Sincerely,
Cambria Environmental Technology, Inc




David Gibbs
Project Geologist



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

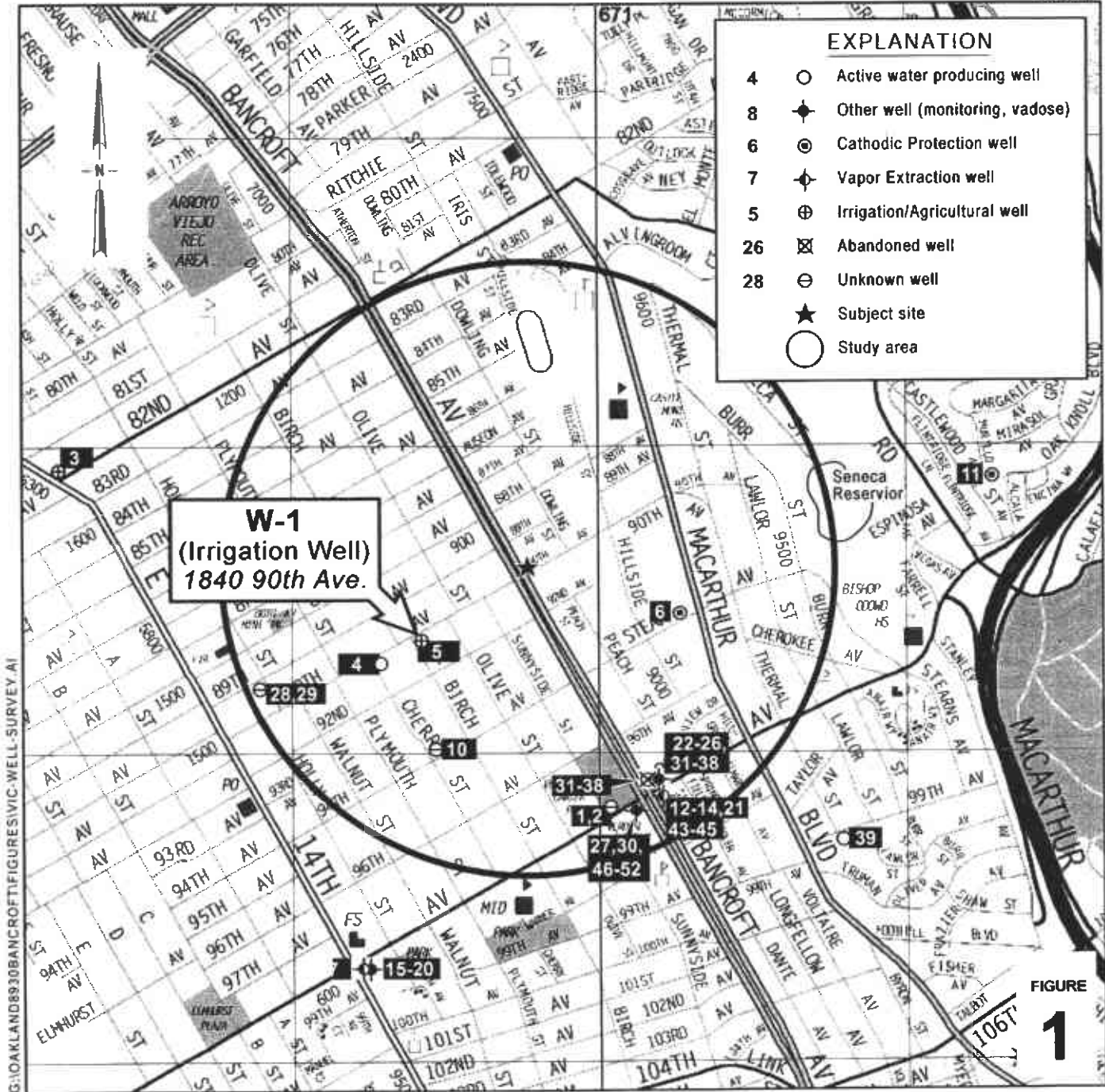


Figures: 1 - Vicinity/Area Well Survey Map
2 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Sidhu Associates, 8930 Bancroft Ave., Oakland, CA 94605

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EXPLANATION

- 4 ○ Active water producing well
- 8 ◆ Other well (monitoring, vadose)
- 6 ⊙ Cathodic Protection well
- 7 ◆ Vapor Extraction well
- 5 ⊕ Irrigation/Agricultural well
- 26 ⊠ Abandoned well
- 28 ⊖ Unknown well
- ★ Subject site
- Study area

W-1
 (Irrigation Well)
 1840 90th Ave.

0 1/8 1/4 1/2 1
 SCALE 1" = 1/4 MILE

FIGURE 1

**Former Shell-branded Station/
 Current 24-7 Quick Mart
 Service Station**

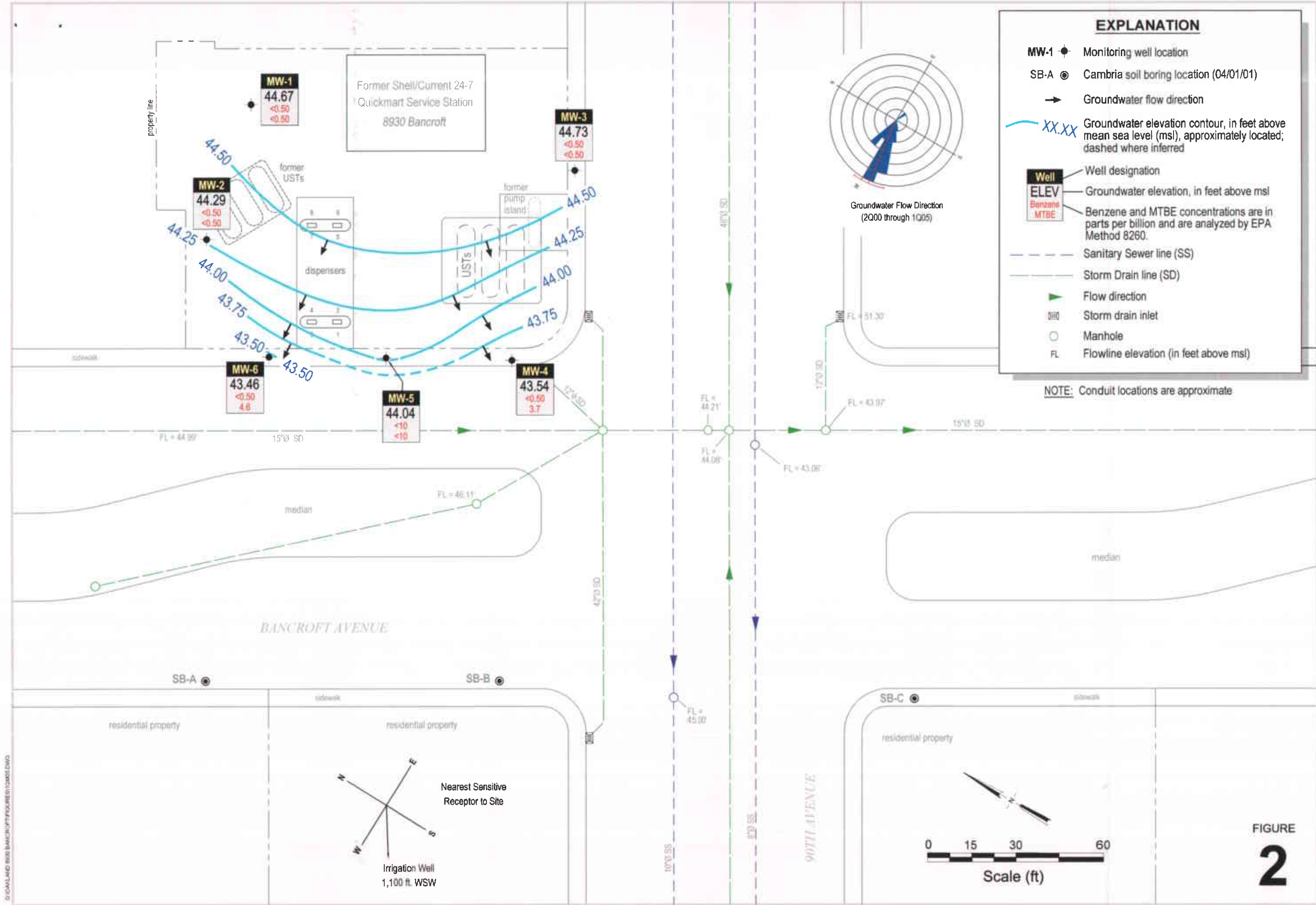
8930 Bancroft Avenue
 Oakland, California
 Incident #98995742



C A M B R I A

**Vicinity/Area Well
 Survey Map**

(1/2 Mile Radius)



Groundwater Elevation Contour Map

February 28, 2005



C A M B R I A

Former Shell-branded/Current 24-7 Quick Mart Service Station

8930 Bancroft Avenue
Oakland, California
Incident No. 98995742

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ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

BLAINE

TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

April 13, 2005

Karen Petryna
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

First Quarter 2005 Groundwater Monitoring at
Former Shell-branded Service Station
8930 Bancroft Avenue
Oakland, CA

Monitoring performed on February 28, 2005

Groundwater Monitoring Report **050228-MT-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/ks

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

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

WELL CONCENTRATIONS
Former Shell Service Station
8930 Bancroft Avenue
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)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (mg/L)
MW-1	12/17/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	53.19	11.87	NA	41.32	NA	NA
MW-1	03/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	53.19	8.21	NA	44.98	NA	NA
MW-1	06/16/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	53.19	15.04	NA	38.15	NA	NA
MW-1	09/30/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	53.19	16.02	NA	37.17	NA	NA
MW-1	12/23/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	53.19	14.78	NA	38.41	NA	NA
MW-1	03/22/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	53.19	8.44	NA	44.75	NA	NA
MW-1	06/01/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	53.19	13.71	NA	39.48	NA	NA
MW-1	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	53.19	14.95	NA	38.24	NA	NA
MW-1	12/04/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	5.82	NA	NA	NA	NA	NA	53.19	13.85	NA	39.34	NA	NA
MW-1	03/09/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	53.19	9.07	NA	44.12	NA	NA
MW-1	06/27/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	53.19	14.90	NA	38.29	NA	NA
MW-1	09/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.19	15.53	NA	37.66	NA	NA
MW-1	12/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.19	10.41	NA	42.78	NA	3.8
MW-1	02/26/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	53.19	11.09	NA	42.10	NA	NA
MW-1	06/06/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.19	14.13	NA	39.06	NA	NA
MW-1	09/09/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.20	15.55	NA	37.65	NA	NA
MW-1	12/19/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.20	8.67	NA	44.53	NA	NA
MW-1	03/28/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	53.20	13.33	NA	39.87	NA	NA
MW-1	06/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.20	14.71	NA	38.49	NA	NA
MW-1	09/25/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	53.20	15.13	NA	38.07	NA	NA
MW-1	12/02/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.20	14.42	NA	38.78	NA	NA
MW-1	03/18/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	53.20	10.38	NA	42.82	NA	NA
MW-1	06/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.20	14.95	NA	38.25	NA	NA
MW-1	09/02/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.20	15.75	NA	37.45	NA	NA
MW-1	12/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	53.20	11.20	NA	42.00	NA	NA
MW-1	02/28/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	53.20	8.53	NA	44.67	NA	NA
MW-2	12/17/1998	9,900	NA	<5.0	37	22	47	48	<20	NA	NA	NA	NA	52.66	11.65	NA	41.01	NA	NA
MW-2	03/09/1999	2,760	NA	12.3	7.50	85.4	444	<50.0	NA	NA	NA	NA	NA	52.66	8.07	NA	44.59	NA	NA
MW-2	06/16/1999	2,570	NA	36.3	11.6	6.19	10.8	<50.0	NA	NA	NA	NA	NA	52.66	14.63	NA	38.03	NA	NA
MW-2	09/30/1999	1,960	NA	19.1	3.20	4.55	26.9	<25.0	NA	NA	NA	NA	NA	52.66	15.63	NA	37.03	NA	NA
MW-2	12/23/1999	145	NA	1.30	<0.500	<0.500	0.899	<2.50	NA	NA	NA	NA	NA	52.66	14.42	NA	38.24	NA	NA
MW-2	03/22/2000	6,060	NA	18.9	<10.0	210	651	<100	NA	NA	NA	NA	NA	52.66	8.19	NA	44.47	NA	NA
MW-2	06/01/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	52.66	11.46	NA	41.20	NA	NA
MW-2	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	52.66	14.63	NA	38.03	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
8930 Bancroft Avenue
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)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (mg/L)
MW-2	12/04/2000	201	NA	1.35	<0.500	3.39	8.58	<2.50	NA	NA	NA	NA	NA	52.66	13.45	NA	39.21	NA	NA
MW-2	03/09/2001	396	NA	2.82	<0.500	8.69	18.7	<2.50	NA	NA	NA	NA	NA	52.66	8.89	NA	43.77	NA	NA
MW-2	06/27/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	52.66	14.88	NA	37.78	NA	NA
MW-2	09/20/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	52.66	15.19	NA	37.47	NA	NA
MW-2	12/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.66	10.02	NA	42.64	NA	2.8
MW-2	02/26/2002	180	NA	<0.50	<0.50	2.7	4.1	NA	<0.50	NA	NA	NA	NA	52.66	10.76	NA	41.90	NA	NA
MW-2	06/06/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.66	13.83	NA	38.83	NA	NA
MW-2	09/09/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	52.66	15.23	NA	37.43	NA	NA
MW-2	12/19/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.66	8.46	NA	44.20	NA	NA
MW-2	03/28/2003	53	NA	<0.50	<0.50	0.51	1.4	NA	<5.0	NA	NA	NA	NA	52.66	12.96	NA	39.70	NA	NA
MW-2	06/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.66	14.49	NA	38.17	NA	NA
MW-2	09/25/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.66	NA	NA	NA	NA	NA
MW-2	10/03/2003	54 c	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	52.66	15.03	NA	37.63	NA	NA
MW-2	12/02/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.66	14.08	NA	38.58	NA	NA
MW-2	03/18/2004	130	NA	<0.50	<0.50	1.9	2.4	NA	<0.50	NA	NA	NA	NA	52.66	10.08	NA	42.58	NA	NA
MW-2	06/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.66	14.65	NA	38.01	NA	NA
MW-2	09/02/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	52.66	15.38	NA	37.28	NA	NA
MW-2	12/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52.66	10.89	NA	41.77	NA	NA
MW-2	02/28/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	52.77 d	8.48	NA	44.29	NA	NA
MW-3	12/17/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	10	11	NA	NA	NA	NA	51.30	11.85	NA	39.45	NA	NA
MW-3	03/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	51.30	6.53	NA	44.77	NA	NA
MW-3	06/16/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	51.30	12.71	NA	38.59	NA	NA
MW-3	09/30/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	5.14	NA	NA	NA	NA	NA	51.30	14.07	NA	37.23	NA	NA
MW-3	12/23/1999	<500	NA	<5.00	<5.00	<5.00	<5.00	<25.0	NA	NA	NA	NA	NA	51.30	12.82	NA	38.48	NA	NA
MW-3	03/22/2000	<50.0	NA	<0.500	1.48	<0.500	1.90	<5.00	NA	NA	NA	NA	NA	51.30	6.81	NA	44.49	NA	NA
MW-3	06/01/2000	<50.0	NA	<0.500	0.821	<0.500	<0.500	4.39	NA	NA	NA	NA	NA	51.30	11.85	NA	39.45	NA	NA
MW-3	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	3.62	NA	NA	NA	NA	NA	51.30	12.55	NA	38.75	NA	NA
MW-3	12/04/2000	<50.0	NA	<0.500	<0.500	<0.500	0.588	4.74	NA	NA	NA	NA	NA	51.30	11.65	NA	39.65	NA	NA
MW-3	03/09/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	51.30	7.28	NA	44.02	NA	NA
MW-3	06/27/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	51.30	13.16	NA	38.14	NA	NA
MW-3	09/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.30	13.35	NA	37.95	NA	NA
MW-3	12/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.30	8.14	NA	43.16	NA	1.2
MW-3	02/26/2002	<50	NA	<0.50	7.2	<0.50	<0.50	NA	1.5	NA	NA	NA	NA	51.30	9.09	NA	42.21	NA	0.6
MW-3	06/06/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.30	12.13	NA	39.17	NA	0.8
MW-3	09/09/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.35	13.54	NA	37.81	NA	1.0

WELL CONCENTRATIONS
Former Shell Service Station
8930 Bancroft Avenue
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)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (mg/L)
MW-3	12/19/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.35	6.75	NA	44.60	NA	0.6
MW-3	03/28/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	51.35	11.28	NA	40.07	NA	0.7
MW-3	06/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.35	12.68	NA	38.67	NA	NA
MW-3	09/25/2003	<50	NA	<0.50	2.0	0.73	<1.0	NA	<0.50	NA	NA	NA	NA	51.35	13.22	NA	38.13	NA	NA
MW-3	12/02/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.35	12.48	NA	38.87	NA	NA
MW-3	03/18/2004	<50	NA	<0.50	13	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	51.35	8.52	NA	42.83	NA	NA
MW-3	06/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.35	12.80	NA	38.55	NA	NA
MW-3	09/02/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.35	13.75	NA	37.60	NA	NA
MW-3	12/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.35	9.37	NA	41.98	NA	NA
MW-3	02/28/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	51.35	6.62	NA	44.73	NA	NA
MW-4	12/17/1998	700	NA	4.3	0.88	<0.50	<0.50	21,000	26,000	NA	NA	NA	NA	50.73	10.80	NA	39.93	NA	NA
MW-4	03/09/1999	83.9	NA	<0.500	<0.500	<0.500	<0.500	17,900	23,700	NA	NA	NA	NA	50.73	6.91	NA	43.82	NA	NA
MW-4	06/16/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	10,600	19,200	NA	NA	NA	NA	50.73	12.84	NA	37.89	NA	NA
MW-4	09/30/1999	51.2	NA	<0.500	<0.500	<0.500	<0.500	12,200	12,300	NA	NA	NA	NA	50.73	13.74	NA	36.99	NA	NA
MW-4	12/23/1999	<100	NA	<1.00	<1.00	<1.00	<1.00	7,990	8,400	NA	NA	NA	NA	50.73	12.40	NA	38.33	NA	NA
MW-4	03/22/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	4,970	5,020	NA	NA	NA	NA	50.73	7.32	NA	43.41	NA	NA
MW-4	06/01/2000	<100	NA	<1.00	<1.00	<1.00	<1.00	5,260	3,580	NA	NA	NA	NA	50.73	11.50	NA	39.23	NA	NA
MW-4	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	3,610	3,300a	NA	NA	NA	NA	50.73	12.55	NA	38.18	NA	NA
MW-4	12/04/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	2,960	3,520a	NA	NA	NA	NA	50.73	11.77	NA	38.96	NA	NA
MW-4	03/09/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	1,930	2,500	NA	NA	NA	NA	50.73	7.48	NA	43.25	NA	NA
MW-4	06/27/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	1,100	1,100	NA	NA	NA	NA	50.73	12.97	NA	37.76	NA	NA
MW-4	09/20/2001	<250	NA	3.8	14	2.6	7.8	NA	940	NA	NA	NA	NA	50.73	13.30	NA	37.43	NA	NA
MW-4	12/05/2001	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	750	NA	NA	NA	NA	50.73	8.41	NA	42.32	NA	1.2
MW-4	02/26/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	320	NA	NA	NA	NA	50.73	9.40	NA	41.33	NA	0.7
MW-4	06/06/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	160	NA	NA	NA	NA	50.73	11.97	NA	38.76	NA	0.6
MW-4	09/09/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	50	NA	NA	NA	NA	50.72	13.23	NA	37.49	NA	3.6
MW-4	12/19/2002	Unable to sample	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50.72	7.08	NA	43.64	NA	0.8
MW-4	12/26/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	47	NA	NA	NA	NA	50.72	7.23	NA	43.49	NA	1.8
MW-4	03/28/2003	<50	NA	<0.50	1.2	<0.50	<0.50	NA	17	NA	NA	NA	NA	50.72	11.30	NA	39.42	NA	1.7
MW-4	06/30/2003	54 c	NA	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	50.72	12.51	NA	38.21	NA	NA
MW-4	09/25/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	110	NA	NA	NA	NA	50.72	13.10	NA	37.62	NA	NA
MW-4	12/02/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	280	NA	NA	NA	NA	50.72	12.39	NA	38.33	NA	NA
MW-4	03/18/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	33	NA	NA	NA	NA	50.72	8.63	NA	42.09	NA	NA
MW-4	06/17/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	50.72	12.77	NA	37.95	NA	NA
MW-4	09/02/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	7.7	<2.0	<2.0	<2.0	<5.0	50.72	13.54	NA	37.18	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
8930 Bancroft Avenue
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)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (mg/L)
MW-4	12/14/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	7.2	NA	NA	NA	NA	50.72	9.40	NA	41.32	NA	NA
MW-4	02/28/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	3.7	NA	NA	NA	NA	50.72	7.18	NA	43.54	NA	NA
MW-5	12/17/1998	750	NA	<0.50	17	1.8	3.5	33	32	NA	NA	NA	NA	51.43	11.51	NA	39.92	NA	NA
MW-5	03/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	51.43	7.15	NA	44.28	NA	NA
MW-5	06/16/1999	646	NA	9.26	1.05	<1.00	<1.00	<10.0	NA	NA	NA	NA	NA	51.43	13.47	NA	37.96	NA	NA
MW-5	09/30/1999	484	NA	1.93	0.511	<0.500	<0.500	159	NA	NA	NA	NA	NA	51.43	14.41	NA	37.02	NA	NA
MW-5	12/23/1999	944	NA	4.59	17.7	3.79	16.7	214	NA	NA	NA	NA	NA	51.43	14.07	NA	37.36	NA	NA
MW-5	03/22/2000	8,770	NA	197	96.5	<50.0	188	2,450	NA	NA	NA	NA	NA	51.43	7.31	NA	44.12	NA	NA
MW-5	06/01/2000	227	NA	0.565	<0.500	<0.500	<0.500	35.9	NA	NA	NA	NA	NA	51.43	12.15	NA	39.28	NA	NA
MW-5	09/08/2000	159	NA	0.606	<0.500	<0.500	1.74	1,000	NA	NA	NA	NA	NA	51.43	13.30	NA	38.13	NA	NA
MW-5	12/04/2000	1,510	NA	19.2	<10.0	<10.0	134	1,360	NA	NA	NA	NA	NA	51.43	12.19	NA	39.24	NA	NA
MW-5	03/09/2001	3,460	NA	37.9	121	40.6	208	235	NA	NA	NA	NA	NA	51.43	7.79	NA	43.64	NA	NA
MW-5	06/27/2001	310	NA	0.97	<0.50	<0.50	<0.50	14	NA	NA	NA	NA	NA	51.43	13.89	NA	37.54	NA	NA
MW-5	09/20/2001	310	NA	<0.50	<0.50	<0.50	<0.50	NA	21	NA	NA	NA	NA	51.43	13.95	NA	37.48	NA	NA
MW-5	12/05/2001	8,800	NA	14	2.9	33	410	NA	2,300	NA	NA	NA	NA	51.43	8.89	NA	42.54	NA	0.6
MW-5	02/26/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.43	9.87	NA	NA	b	NA
MW-5	03/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.43	8.84	8.64	42.75	0.20	NA
MW-5	06/06/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.43	12.59	12.54	38.88	0.05	NA
MW-5	09/09/2002	210	NA	<0.50	<0.50	<0.50	0.90	NA	200	NA	NA	NA	NA	51.44	13.94	NA	37.50	NA	NA
MW-5	12/19/2002	Unable to sample	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.44	7.35	NA	44.09	NA	NA
MW-5	12/26/2002	1,400	NA	<0.50	21	6.9	60	NA	180	NA	NA	NA	NA	51.44	7.13	NA	44.31	NA	NA
MW-5	03/28/2003	240	NA	<0.50	<0.50	<0.50	2.1	NA	130	NA	NA	NA	NA	51.44	11.73	NA	39.71	NA	NA
MW-5	06/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.44	13.34	13.30	38.13	0.04	NA
MW-5	09/25/2003	12,000	NA	<5.0	<5.0	24	210	NA	220	NA	NA	NA	NA	51.44	13.60	NA	37.84	NA	NA
MW-5	12/02/2003	2,500	NA	<5.0	14	<5.0	11	NA	25	NA	NA	NA	NA	51.44	12.92	NA	38.52	NA	NA
MW-5	03/18/2004	2,100	NA	2.9	2.8	<1.0	780	NA	4.7	NA	NA	NA	NA	51.44	9.05	NA	42.39	NA	NA
MW-5	06/17/2004	68	NA	<0.50	<0.50	<0.50	<1.0	NA	0.89	NA	NA	NA	NA	51.44	13.45	NA	37.99	NA	NA
MW-5	09/02/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.44	14.25	14.18	37.25	0.07	NA
MW-5	12/14/2004	80,000	NA	<50	3,100	2,200	17,000	NA	<50	NA	NA	NA	NA	51.44	9.82	14.18	41.62	0.00	NA
MW-5	02/28/2005	12,000	NA	<10	<10	<10	570	NA	<10	NA	NA	NA	NA	51.44	7.40	NA	44.04	NA	NA
MW-6	12/17/1998	940	NA	27	0.32	2.4	2.3	3.0	3.2	NA	NA	NA	NA	51.88	11.37	NA	40.51	NA	NA
MW-6	03/09/1999	336	NA	7.78	1.60	2.40	6.36	<10.0	NA	NA	NA	NA	NA	51.88	8.10	NA	43.78	NA	NA
MW-6	06/16/1999	308	NA	2.45	<0.500	<0.500	<0.500	7.39	NA	NA	NA	NA	NA	51.88	14.49	NA	37.39	NA	NA
MW-6	09/30/1999	80.2	NA	<0.500	<0.500	<0.500	<0.500	24.8	NA	NA	NA	NA	NA	51.88	15.30	NA	36.58	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
8930 Bancroft Avenue
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)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (mg/L)
MW-6	12/23/1999	149	NA	0.518	<0.500	<0.500	<0.500	6.43	NA	NA	NA	NA	NA	51.88	13.19	NA	38.69	NA	NA
MW-6	03/22/2000	382	NA	3.31	2.18	0.619	2.35	5.61	NA	NA	NA	NA	NA	51.88	8.27	NA	43.61	NA	NA
MW-6	06/01/2000	158	NA	0.830	<0.500	<0.500	1.10	10.9	NA	NA	NA	NA	NA	51.88	11.13	NA	40.75	NA	NA
MW-6	09/08/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	51.88	14.28	NA	37.60	NA	NA
MW-6	12/04/2000	231	NA	4.93	<0.500	<0.500	<0.500	4.57	NA	NA	NA	NA	NA	51.88	12.62	NA	39.26	NA	NA
MW-6	03/09/2001	789	NA	11.6	2.72	<2.00	<2.00	28.0	NA	NA	NA	NA	NA	51.88	8.65	NA	43.23	NA	NA
MW-6	06/27/2001	140	NA	<0.50	1.1	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	51.88	14.95	NA	36.93	NA	NA
MW-6	09/20/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	51.88	14.70	NA	37.18	NA	NA
MW-6	12/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.88	9.62	NA	42.26	NA	1.8
MW-6	02/26/2002	130	NA	<0.50	2.6	0.69	4.1	NA	6.4	NA	NA	NA	NA	51.88	10.14	NA	41.74	NA	NA
MW-6	06/06/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.88	13.52	NA	38.36	NA	NA
MW-6	09/09/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	51.86	14.92	NA	36.94	NA	NA
MW-6	12/19/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.86	8.22	NA	43.64	NA	NA
MW-6	03/28/2003	740	NA	<0.50	<0.50	<0.50	<0.50	NA	14	NA	NA	NA	NA	51.86	12.57	NA	39.29	NA	NA
MW-6	06/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.86	14.14	NA	37.72	NA	NA
MW-6	09/25/2003	<250	NA	<2.5	160	<2.5	<5.0	NA	5.3	NA	NA	NA	NA	51.86	14.30	NA	37.56	NA	NA
MW-6	12/02/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.86	13.72	NA	38.14	NA	NA
MW-6	03/18/2004	1,200	NA	<1.0	7.1	1.5	2.7	NA	16	NA	NA	NA	NA	51.86	9.72	NA	42.14	NA	NA
MW-6	06/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.86	14.48	NA	37.38	NA	NA
MW-6	09/02/2004	75	NA	<0.50	<0.50	<0.50	<1.0	NA	11	<2.0	<2.0	<2.0	<5.0	51.86	15.16	NA	36.70	NA	NA
MW-6	12/14/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51.86	10.55	NA	41.31	NA	NA
MW-6	02/28/2005	500	NA	<0.50	<0.50	<0.50	<1.0	NA	4.6	NA	NA	NA	NA	51.86	8.40	NA	43.46	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
8930 Bancroft Avenue
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)	TOC (MSL)	Depth to Water (ft.)	Depth to SPH (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (mg/L)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 20, 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 September 20, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

SPH = Separate-phase hydrocarbons

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

DO = Dissolved oxygen

mg/L = Parts per million

Notes:

a = This sample analyzed outside of EPA recommended holding time.

b = SPH detected in well, but exact thickness could not be measured.

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

d = Top of casing altered +0.11 feet during wellhead maintenance on December 28, 2004.

When separate-phase hydrocarbons are present, groundwater elevation is adjusted using the relation: Groundwater Elevation = Top-of-Casing Elevation - Depth to Water + (0.8 x Hydrocarbon Thickness).

Site surveyed February 12 and May 16, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

March 17, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 050228-MT1
Project: 98995742
Site: 8930 Bancroft Avenue, Oakland

Dear Mr. Gearhart,


Attached is our report for your samples received on 03/01/2005 16:40
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
04/15/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	02/28/2005 10:15	Water	1
MW-2	02/28/2005 10:20	Water	2
MW-3	02/28/2005 09:35	Water	3
MW-4	02/28/2005 09:55	Water	4
MW-5	02/28/2005 11:00	Water	5
MW-6	02/28/2005 10:40	Water	6

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2005-03-0092 - 1
Sampled: 02/28/2005 10:15	Extracted: 3/12/2005 12:00
Matrix: Water	QC Batch#: 2005/03/12-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	03/12/2005 12:00	
Benzene	ND	0.50	ug/L	1.00	03/12/2005 12:00	
Toluene	ND	0.50	ug/L	1.00	03/12/2005 12:00	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2005 12:00	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2005 12:00	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/12/2005 12:00	
Surrogate(s)						
1,2-Dichloroethane-d4	110.0	73-130	%	1.00	03/12/2005 12:00	
Toluene-d8	96.8	81-114	%	1.00	03/12/2005 12:00	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050228-MT1
98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-2	Lab ID: 2005-03-0092 - 2
Sampled: 02/28/2005 10:20	Extracted: 3/12/2005 15:01
Matrix: Water	QC Batch#: 2005/03/12-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	03/12/2005 15:01	
Benzene	ND	0.50	ug/L	1.00	03/12/2005 15:01	
Toluene	ND	0.50	ug/L	1.00	03/12/2005 15:01	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2005 15:01	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2005 15:01	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/12/2005 15:01	
Surrogate(s)						
1,2-Dichloroethane-d4	116.8	73-130	%	1.00	03/12/2005 15:01	
Toluene-d8	98.4	81-114	%	1.00	03/12/2005 15:01	

Severn Trent Laboratories, Inc.

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

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

03/17/2005 12:47

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-3

Lab ID: 2005-03-0092 - 3

Sampled: 02/28/2005 09:35

Extracted: 3/12/2005 15:27

Matrix: Water

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

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	03/12/2005 15:27	
Benzene	ND	0.50	ug/L	1.00	03/12/2005 15:27	
Toluene	ND	0.50	ug/L	1.00	03/12/2005 15:27	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2005 15:27	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2005 15:27	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/12/2005 15:27	
Surrogate(s)						
1,2-Dichloroethane-d4	113.6	73-130	%	1.00	03/12/2005 15:27	
Toluene-d8	97.7	81-114	%	1.00	03/12/2005 15:27	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-4	Lab ID: 2005-03-0092 - 4
Sampled: 02/28/2005 09:55	Extracted: 3/12/2005 15:51
Matrix: Water	QC Batch#: 2005/03/12-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	03/12/2005 15:51	
Benzene	ND	0.50	ug/L	1.00	03/12/2005 15:51	
Toluene	ND	0.50	ug/L	1.00	03/12/2005 15:51	
Ethylbenzene	ND	0.50	ug/L	1.00	03/12/2005 15:51	
Total xylenes	ND	1.0	ug/L	1.00	03/12/2005 15:51	
Methyl tert-butyl ether (MTBE)	3.7	0.50	ug/L	1.00	03/12/2005 15:51	
Surrogate(s)						
1,2-Dichloroethane-d4	118.7	73-130	%	1.00	03/12/2005 15:51	
Toluene-d8	99.1	81-114	%	1.00	03/12/2005 15:51	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B Test(s): 8260B
 Sample ID: MW-5 Lab ID: 2005-03-0092 - 5
 Sampled: 02/28/2005 11:00 Extracted: 3/14/2005 19:44
 Matrix: Water QC Batch#: 2005/03/14-2B.62
 Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	12000	1000	ug/L	20.00	03/14/2005 19:44	
Benzene	ND	10	ug/L	20.00	03/14/2005 19:44	
Toluene	ND	10	ug/L	20.00	03/14/2005 19:44	
Ethylbenzene	ND	10	ug/L	20.00	03/14/2005 19:44	
Total xylenes	570	20	ug/L	20.00	03/14/2005 19:44	
Methyl tert-butyl ether (MTBE)	ND	10	ug/L	20.00	03/14/2005 19:44	
Surrogate(s)						
1,2-Dichloroethane-d4	114.4	73-130	%	20.00	03/14/2005 19:44	
Toluene-d8	102.1	81-114	%	20.00	03/14/2005 19:44	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-6	Lab ID: 2005-03-0092 - 6
Sampled: 02/28/2005 10:40	Extracted: 3/14/2005 19:19
Matrix: Water	QC Batch#: 2005/03/14-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	500	50	ug/L	1.00	03/14/2005 19:19	
Benzene	ND	0.50	ug/L	1.00	03/14/2005 19:19	
Toluene	ND	0.50	ug/L	1.00	03/14/2005 19:19	
Ethylbenzene	ND	0.50	ug/L	1.00	03/14/2005 19:19	
Total xylenes	ND	1.0	ug/L	1.00	03/14/2005 19:19	
Methyl tert-butyl ether (MTBE)	4.6	0.50	ug/L	1.00	03/14/2005 19:19	
Surrogate(s)						
1,2-Dichloroethane-d4	102.6	73-130	%	1.00	03/14/2005 19:19	
Toluene-d8	95.7	81-114	%	1.00	03/14/2005 19:19	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

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

Water

Test(s): 8260B

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

Date Extracted: 03/12/2005 08:06

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

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/03/14-1C.65-059

Water

Test(s): 8260B

QC Batch # 2005/03/14-1C.65

Date Extracted: 03/14/2005 10:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	03/14/2005 10:59	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/14/2005 10:59	
Benzene	ND	0.5	ug/L	03/14/2005 10:59	
Toluene	ND	0.5	ug/L	03/14/2005 10:59	
Ethylbenzene	ND	0.5	ug/L	03/14/2005 10:59	
Total xylenes	ND	1.0	ug/L	03/14/2005 10:59	
Surrogates(s)					
1,2-Dichloroethane-d4	103.0	73-130	%	03/14/2005 10:59	
Toluene-d8	93.0	81-114	%	03/14/2005 10:59	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

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

Water

Test(s): 8260B

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

Date Extracted: 03/14/2005 18:42

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

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

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

LCS 2005/03/12-1C.65-041

Extracted: 03/12/2005

Analyzed: 03/12/2005 07:41

LCSD

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

Severn Trent Laboratories, Inc.

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

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

03/17/2005 12:47

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/03/14-1C.65

LCS 2005/03/14-1C.65-033

Extracted: 03/14/2005

Analyzed: 03/14/2005 10:33

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.1		25	96.4			65-165	20		
Benzene	26.4		25	105.6			69-129	20		
Toluene	29.0		25	116.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	404		500	80.8			73-130			
Toluene-d8	475		500	95.0			81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050228-MT1
98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

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

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

Extracted: 03/14/2005

Analyzed: 03/14/2005 19:12

LCSD

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

Severn Trent Laboratories, Inc.

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

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

03/17/2005 12:47

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1
98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

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

MW-1 >> MS

Lab ID: 2005-03-0092 - 001

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

Extracted: 03/12/2005

Analyzed: 03/12/2005 12:25

Dilution: 1.00

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

Extracted: 03/12/2005

Analyzed: 03/12/2005 12:52

Dilution: 1.00

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

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1
98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/03/14-1C.65

MS/MSD

Lab ID: 2005-03-0141 - 007

MS: 2005/03/14-1C.65-049

Extracted: 03/14/2005

Analyzed: 03/14/2005 12:49

Dilution: 1.00

MSD: 2005/03/14-1C.65-014

Extracted: 03/14/2005

Analyzed: 03/14/2005 13:14

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	32.5	28.4	3.6	25	115.6	99.2	15.3	65-165	20		
Benzene	26.9	26.0	ND	25	107.6	104.0	3.4	69-129	20		
Toluene	27.9	27.6	ND	25	111.6	110.4	1.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	439	420		500	87.8	84.0		73-130			
Toluene-d8	469	468		500	93.8	93.6		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

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

MS/MSD

Lab ID: 2005-03-0139 - 004

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

Extracted: 03/14/2005

Analyzed: 03/14/2005 21:56

Dilution: 1.00

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

Extracted: 03/14/2005

Analyzed: 03/14/2005 22:22

Dilution: 1.00

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

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

03/17/2005 12:47

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050228-MT1

98995742

Received: 03/01/2005 16:40

Site: 8930 Bancroft Avenue, 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.

SHELL Chain of Custody Record

102327

Lab Identification (if necessary)

Address

City, State, Zip

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Karen Petryna

2005-03-0092

INCIDENT NUMBER (SSE ONLY)

9 8 9 9 5 7 4 2

SAP or CRMT NUMBER (TS/CRMT)

DATE: 2/28/05

PAGE: 1 of 1

BLAINE TECH SERVICES ADDRESS: 1680 ROGERS AVENUE, SAN JOSE, CA 95112 PROJECT CONTACT (Please print FOR REPORT): Leon Gearhart TELEPHONE: 408-573-0555 FAX: 408-573-7771 E-MAIL: lgearhart@blainetech.com	LOG CODE: BTSS	DTG ADDRESS (Street and City): 8930 Bancroft Avenue, Oakland DTG DELIVERABLE TO (Please provide Party or Designation): Anni Kreni PHONE NO. (Area Code): 510-420-3335 E-MAIL: ShellOaklandEDF@cambria-env.com CONTACT ID NUMBER: 050228-MT, BTS #	UIC/LINE (UIC): T0600118567 CONTRACT NUMBER: 050228-MT, BTS #
TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS <input type="checkbox"/> LA - RWQCB REPORT FORMAT <input type="checkbox"/> UST AGENCY		REQUESTED ANALYSIS	
GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____ SPECIAL INSTRUCTIONS OR NOTES: _____ CHECK BOX IF GC/MS IS NOT NEEDED <input type="checkbox"/>		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (0.21B - 0.9ppb FL)	MTBE (0.260B - 0.5ppb FL)	Oxygenates (5) by (0.260B)	Ethanol (0.260B)	Methanol	1,2-DCA (0.260B)	EDB (0.260B)	TPH - Diesel, Extractable (0.15m)	TEMPERATURE ON RECEIPT °C
		DATE	TIME													
	MW-1	2/28/05	1015	W	3	X	X	X								2
	MW-2		1020		3	X	X	X								
	MW-3		0905		3	X	X	X								
	MW-4		0955		3	X	X	X								
	MW-5		1100		3	X	X	X								
	MW-6		1040		3	X	X	X								

Requested by (Signature): Date: 3/1/05	Received by (Signature): Date: 3/1/05	Requested by (Signature): Date: 3/1/05	Received by (Signature): Date: 3/1/05
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COO CHANGE (15) 8/9/05

SHELL WELL MONITORING DATA SHEET

BTS #: <u>050228-MT1</u>	Site: <u>98995742</u>
Sampler: <u>MT</u>	Date: <u>2/28/05</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth (TD): <u>19.10</u>	Depth to Water (DTW): <u>6.62</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>9.22</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

Other: _____

$\underline{4.8} \text{ (Gals.)} \times \underline{3} = \underline{14.4} \text{ Gals.}$ <p>I Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>0919</u>	<u>10.7</u>	<u>10.1</u>	<u>1170</u>	<u>920</u>	<u>4.8</u>	
<u>0924</u>	<u>10.9</u>	<u>10.3</u>	<u>1152</u>	<u>>1000</u>	<u>9.6</u>	
<u>0930</u>	<u>10.7.0</u>	<u>10.2</u>	<u>1121</u>	<u>>1000</u>	<u>14.4</u>	

Did well dewater? Yes No Gallons actually evacuated: 14.4

Sampling Date: 2/28/05 Sampling Time: 0935 Depth to Water: 9.00

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>050228-MT1</u>	Site: <u>98995742</u>
Sampler: <u>MT</u>	Date: <u>2/28/05</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth (TD): <u>19.65</u>	Depth to Water (DTW): <u>7.40</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC <input type="radio"/> Grade	D.O. Meter (if req'd): <input type="radio"/> YSI <input type="radio"/> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>9.95</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

Other: _____

4.5 (Gals.) X 3 = 13.5 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
<u>1047</u>	<u>69.2</u>	<u>6.7</u>	<u>1326</u>	<u>>1000</u>	<u>4.5</u>	<u>Peter, Steven</u>
<u>1051</u>	<u>68.0</u>	<u>6.9</u>	<u>1352</u>	<u>>1000</u>	<u>9</u>	<u>" "</u>
<u>1056</u>	<u>67.8</u>	<u>7.0</u>	<u>1347</u>	<u>>1000</u>	<u>13.5</u>	<u>" "</u>
<u>* Remove strings to purge well</u>						

Did well dewater? Yes No Gallons actually evacuated: 13.5

Sampling Date: 2/28/05 Sampling Time: 1100 Depth to Water: 9.00

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

