R0404

Shell Oil Products US

February 3, 2005

Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Former Shell Service Station/Current 24-7 Quick Mart Service Station**
8930 Bancroft Avenue
Oakland, California

Dear Ms. Garcia-La Grille:

Attached for your review and comment is a copy of the *Third Quarter 2004 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.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

20945 S. Wilmington Ave., Carson, CA 90810 Phone (559) 645-9306 Facsimile (559) 645-5643

CAMBRIA

February 3, 2005

Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: **Third Quarter 2004 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

Dear Ms. Garcia-La Grille:

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 and 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. Mass removal data is summarized in Table 1.

THIRD QUARTER 2004 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 informed Cambria that although they observed hydrocarbon sheen on water extracted from well MW-5, they observed no measurable SPH and were able to sample the well on December 14, 2004 for the fourth quarter 2004 sampling event.

Additional Oxygenate Analysis: At Shell's request, in addition to MTBE, all groundwater samples collected were analyzed for the oxygenate compounds di-isopropyl ether, ethyl tertiary butyl ether, tertiary amyl methyl ether, and tertiary butyl alcohol. None of the additional target analytes were detected.

Irrigation Well Sampling: Cambria's September 25, 2001 *Door-to-Door Well Survey Report* identified one likely active irrigation well approximately 1,300 feet downgradient from the site. After several attempts by Shell and the Alameda County Health Services Agency to contact the property owner by mail, a response was received by Ms. Wanda Brooks, the contact for the property owner. Cambria spoke with Ms. Brooks on October 7, 2004 at which time she confirmed that the well is currently being used as a backyard irrigation well, that the well was installed in 1980, and that it is approximately 50 feet deep. She also verbally granted permission for Shell to sample water from the well. At Shell's request, Cambria collected one water sample

from this well and analyzed it for MTBE on November 10, 2004. MTBE was not detected above the laboratory reporting limit of 0.50 parts per billion. The well's location is labeled "5" on Figure 1. The laboratory analytical report for this sample is included as Attachment B.

ANTICIPATED FOURTH QUARTER 2004 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

Table: 1 - Groundwater Extraction – Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes
B - Irrigation Well Sample Analytical Laboratory Report

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

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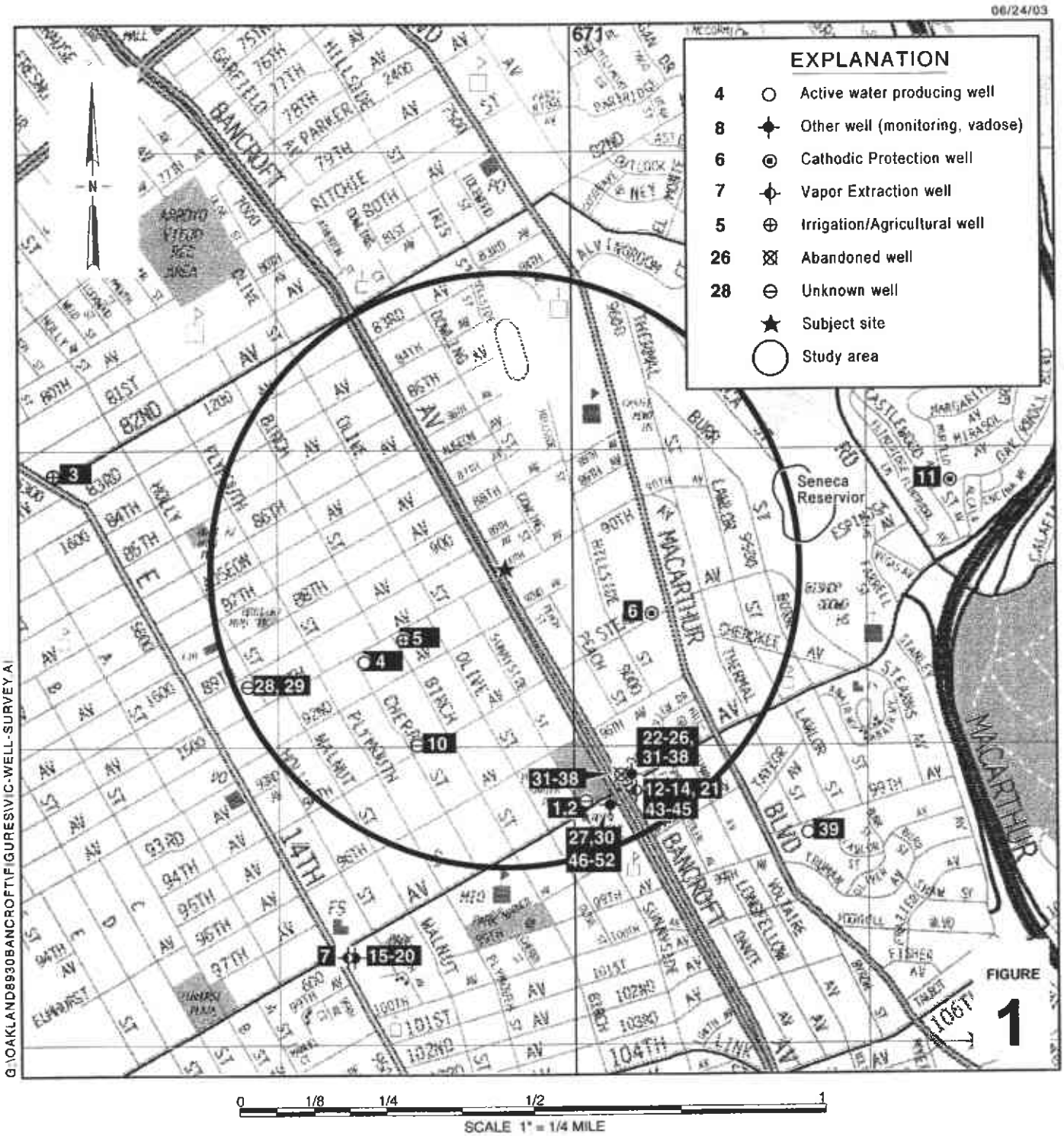

FIGURE 1

0 1/8 1/4 1/2 1

SCALE 1" = 1/4 MILE

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

8930 Bancroft Avenue

Oakland, California

Incident #98995742

CAMBRIA

Vicinity/Area Well Survey Map

(1/2 Mile Radius)

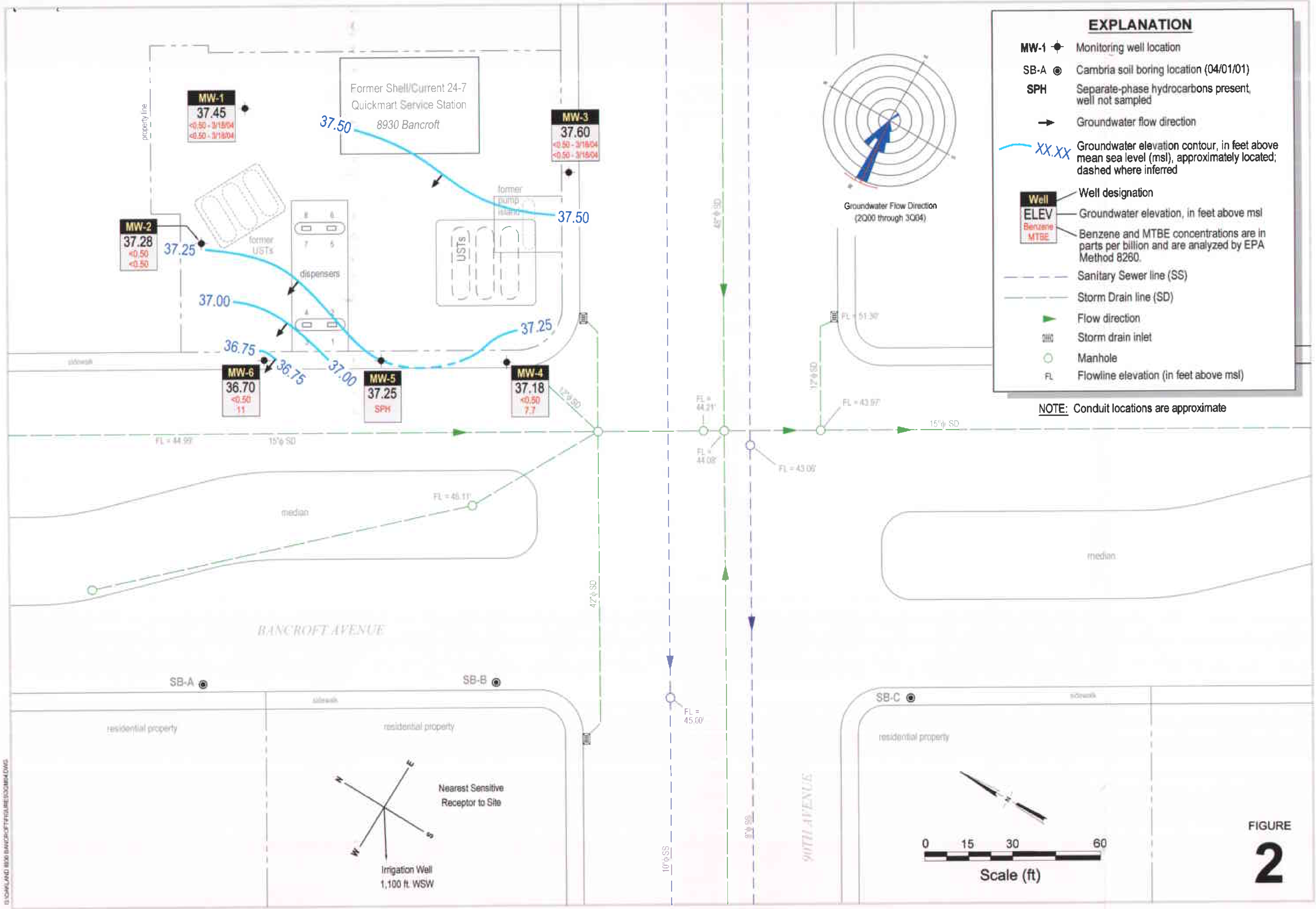

FIGURE 2

Groundwater Elevation Contour Map

September 2, 2004

CAMBRIA

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

8930 Bancroft Avenue
Oakland, California
Incident #98995742

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995742, 8930 Bancroft Avenue, Oakland, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
03/15/00	MW-4	650	650	12/23/99	<100	0.00027	0.00027	<1.0	0.00000	0.00000	8,400	0.04556	0.04556
03/22/00	MW-4	100	750	03/22/00	<500	0.00021	0.00048	<5.00	0.00000	0.00000	5,020	0.00419	0.04975
03/27/00	MW-4	75	825	03/22/00	<500	0.00016	0.00064	<5.00	0.00000	0.00001	5,020	0.00314	0.05289
04/03/00	MW-4	150	975	03/22/00	<500	0.00031	0.00095	<5.00	0.00000	0.00001	5,020	0.00628	0.05917
04/17/00	MW-4	300	1,275	03/22/00	<500	0.00063	0.00157	<5.00	0.00001	0.00002	5,020	0.01257	0.07174
04/24/00	MW-4	150	1,425	03/22/00	<500	0.00031	0.00189	<5.00	0.00000	0.00002	5,020	0.00628	0.07802
05/01/00	MW-4	75	1,500	03/22/00	<500	0.00016	0.00204	<5.00	0.00000	0.00002	5,020	0.00314	0.08117
05/08/00	MW-4	150	1,650	03/22/00	<500	0.00031	0.00236	<5.00	0.00000	0.00002	5,020	0.00628	0.08745
05/15/00	MW-4	75	1,725	03/22/00	<500	0.00016	0.00251	<5.00	0.00000	0.00003	5,020	0.00314	0.09059
05/22/00	MW-4	75	1,800	03/22/00	<500	0.00016	0.00267	<5.00	0.00000	0.00003	5,020	0.00314	0.09373
05/29/00	MW-4	75	1,875	03/22/00	<500	0.00016	0.00283	<5.00	0.00000	0.00003	5,020	0.00314	0.09687
08/08/02	MW-5	163	163	08/08/02	350	0.00048	0.00048	<0.50	0.00000	0.00000	65	0.00009	0.00009
08/16/02	MW-5	218	381	08/16/02	16,000	0.02911	0.02958	<2.5	0.00000	0.00000	310	0.00056	0.00065
08/16/02	MW-5	0	381	08/16/02	58	0.00000	0.02958	<0.50	0.00000	0.00000	60	0.00000	0.00065
08/22/02	MW-5	377	758	08/22/02	1,500	0.00472	0.03430	<0.50	0.00000	0.00000	110	0.00035	0.00100
08/29/02	MW-5	146	904	08/22/02	120	0.00015	0.03445	<0.50	0.00000	0.00000	76	0.00009	0.00109
09/09/03	MW-5	252	1,156	03/28/03	240	0.00050	0.03495	<0.50	0.00000	0.00000	130	0.00027	0.00136
09/17/03	MW-5	70	1,226	03/28/03	240	0.00014	0.03509	<0.50	0.00000	0.00000	130	0.00008	0.00144
Total Gallons Extracted:			**3,101**		**Total Pounds Removed:**		**0.03792**			**0.00003**			**0.09831**
					Total Gallons Removed:		**0.00622**			**0.00000**			**0.01586**

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995742, 8930 Bancroft Avenue, Oakland, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline
MtBE = Methyl tert-butyl ether
ppb = Parts per billion
gal = Gallon
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10^6µg) x (pound/453.6g) x (3.785 L/gal)
Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)
TPPH, benzene, and MTBE analyzed by EPA Method 8260
Concentrations based on most recent groundwater monitoring results
If concentration is less than the laboratory detection limit, one half of the detection limit concentration is used in the mass removal calculation.
Groundwater extracted by vacuum trucks provided by Onyx. Water disposed of at a Martinez Refinery.

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

October 13, 2004

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Third Quarter 2004 Groundwater Monitoring at
Former Shell Service Station
8930 Bancroft Avenue
Oakland, CA

Monitoring performed on September 2, 2004

Groundwater Monitoring Report **040902-DA-3**

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	03/26/2003	<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-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

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	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
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-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

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	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
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-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	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

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

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	12/17/1998	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
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**

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)

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.

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.

SEVERN TRENT STL

Submission#: 2004-09-0161

Blaine Tech Services, Inc.

September 20, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 040902-DA3
Project: 98995742
Site: 8930 Bancroft Avenue, Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 09/03/2004 16:17
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 10/18/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2004-09-0161

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040902-DA3
98995742

Received: 09/03/2004 16:17

Site: 8930 Bancroft Avenue, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2	09/02/2004 14:20	Water	1
MW-4	09/02/2004 13:52	Water	2
MW-6	09/02/2004 14:48	Water	3

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 040902-DA3
98995742

Received: 09/03/2004 16:17

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B
Sample ID: **MW-2**
Sampled: 09/02/2004 14:20
Matrix: Water

Test(s): 8260B
Lab ID: 2004-09-0161 - 1
Extracted: 9/15/2004 13:56
QC Batch#: 2004/09/15-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/2004 13:56	
Benzene	ND	0.50	ug/L	1.00	09/15/2004 13:56	
Toluene	ND	0.50	ug/L	1.00	09/15/2004 13:56	
Ethylbenzene	ND	0.50	ug/L	1.00	09/15/2004 13:56	
Total xylenes	ND	1.0	ug/L	1.00	09/15/2004 13:56	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/15/2004 13:56	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	09/15/2004 13:56	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/15/2004 13:56	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/15/2004 13:56	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/15/2004 13:56	
Surrogate(s)						
1,2-Dichloroethane-d4	102.8	76-130	%	1.00	09/15/2004 13:56	
Toluene-d8	107.3	78-115	%	1.00	09/15/2004 13:56	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040902-DA3
98995742

Received: 09/03/2004 16:17

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B
Sample ID: **MW-4**
Sampled: 09/02/2004 13:52
Matrix: Water

Test(s): 8260B
Lab ID: 2004-09-0161 - 2
Extracted: 9/15/2004 14:15
QC Batch#: 2004/09/15-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/15/2004 14:15	
Benzene	ND	0.50	ug/L	1.00	09/15/2004 14:15	
Toluene	ND	0.50	ug/L	1.00	09/15/2004 14:15	
Ethylbenzene	ND	0.50	ug/L	1.00	09/15/2004 14:15	
Total xylenes	ND	1.0	ug/L	1.00	09/15/2004 14:15	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/15/2004 14:15	
Methyl tert-butyl ether (MTBE)	7.7	0.50	ug/L	1.00	09/15/2004 14:15	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/15/2004 14:15	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/15/2004 14:15	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/15/2004 14:15	
Surrogate(s)						
1,2-Dichloroethane-d4	105.6	76-130	%	1.00	09/15/2004 14:15	
Toluene-d8	99.6	78-115	%	1.00	09/15/2004 14:15	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040902-DA3
98995742

Received: 09/03/2004 16:17

Site: 8930 Bancroft Avenue, Oakland

Prep(s): 5030B
Sample ID: **MW-6**
Sampled: 09/02/2004 14:48
Matrix: Water

Test(s): 8260B
Lab ID: 2004-09-0161 - 3
Extracted: 9/15/2004 14:34
QC Batch#: 2004/09/15-1C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	75	50	ug/L	1.00	09/15/2004 14:34	
Benzene	ND	0.50	ug/L	1.00	09/15/2004 14:34	
Toluene	ND	0.50	ug/L	1.00	09/15/2004 14:34	
Ethylbenzene	ND	0.50	ug/L	1.00	09/15/2004 14:34	
Total xylenes	ND	1.0	ug/L	1.00	09/15/2004 14:34	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	09/15/2004 14:34	
Methyl tert-butyl ether (MTBE)	11	0.50	ug/L	1.00	09/15/2004 14:34	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	09/15/2004 14:34	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	09/15/2004 14:34	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	09/15/2004 14:34	
Surrogate(s)						
1,2-Dichloroethane-d4	101.8	76-130	%	1.00	09/15/2004 14:34	
Toluene-d8	103.8	78-115	%	1.00	09/15/2004 14:34	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040902-DA3
98995742

Received: 09/03/2004 16:17

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/09/15-1C.68

MB: 2004/09/15-1C.68-007

Date Extracted: 09/15/2004 07:07

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/15/2004 07:07	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	09/15/2004 07:07	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/15/2004 07:07	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	09/15/2004 07:07	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	09/15/2004 07:07	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	09/15/2004 07:07	
Benzene	ND	0.5	ug/L	09/15/2004 07:07	
Toluene	ND	0.5	ug/L	09/15/2004 07:07	
Ethylbenzene	ND	0.5	ug/L	09/15/2004 07:07	
Total xylenes	ND	1.0	ug/L	09/15/2004 07:07	
Surrogates(s)					
1,2-Dichloroethane-d4	100.2	76-130	%	09/15/2004 07:07	
Toluene-d8	103.0	78-115	%	09/15/2004 07:07	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 040902-DA3
98995742

Received: 09/03/2004 16:17

Site: 8930 Bancroft Avenue, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/09/15-1C.68**

LCS 2004/09/15-1C.68-029 Extracted: 09/15/2004 Analyzed: 09/15/2004 06:29

LCSD 2004/09/15-1C.68-048 Extracted: 09/15/2004 Analyzed: 09/15/2004 06:48

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.9	23.7	25	91.6	94.8	3.4	65-165	20		
Benzene	25.3	25.9	25	101.2	103.6	2.3	69-129	20		
Toluene	24.1	23.5	25	96.4	94.0	2.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	484	475	500	96.8	95.0		76-130			
Toluene-d8	528	496	500	105.6	99.2		78-115			

LAB: STL

Lab Identification (if necessary):

Address:

City, State, Zip:

SHELL Chain Of Custody Record

88580

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2004-09-0161

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 4 2

SAP or CRMT NUMBER (TS/CRMT)

DATE: 9/2/04

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)	Leon Gearhart
TELEPHONE	408-573-0555
FAX	408-573-7771
E-MAIL	lgearhart@blainetech.com
SITE ADDRESS (Street and City)	8930 Bancroft Avenue, Oakland
GLOBAL ID NO.	
EDF DELIVERABLE TO (Responsible Party or Designee)	Anni Kreml
PHONE NO.	510-420-3335
E-MAIL	ShellOaklandEDF@cambria-env.com
CONSULTANT PROJECT NO.	040902-DA3
BTS #	
SAMPLER NAME(S) (Print)	David Allbut
LAB USE ONLY	

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST ____ HIGHEST per BORING ____ ALL ____

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)									FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-2	9/2/04	1420	W	3	X	X		X																
	MW-4	↓	1352	↓	↓	X	X		X																
	MW-6	↓	1448	↓	↓	X	X		X																

TEMPERATURE ON RECEIPT C°: 2°C

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
David Allbut	[signature]	9/3/04	1617
[signature] 9/3/04 1827			
	Denise Harrington / STL-SF	9/3/04	1827

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

10/16/00 Revision

Lab Identification (if necessary)
Address:
City, State, Zip

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2004-09-0161

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 4 2

SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 9/2/04
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS (Street and City): 8930 Bancroft Avenue, Oakland
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112
EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml
PHONE NO.: 510-420-3335
E-MAIL: ShellOaklandEDF@camline-env.com
CONSULTANT PROJECT NO.: 040902-DA3
BTS #
PROJECT CONTACT (Hardcopy or PDF Report): Leon Gearhart
SAMPLER NAME(S) (Print): David Allbut
TELEPHONE: 408-573-0555
FAX: 408-573-7771
E-MAIL: lgearhart@blainetech.com
LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ______

GC/MS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

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

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)									FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
MW-2	9/2/04	1420	W	3	X	X		X	X															
MW-4	↓	1352	↓	↓	X	X		X	X															
MW-6	↓	1448	↓	↓	X	X		X	X															

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
David Allbut	[signature]	9/3/04	1617
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

WELL GAUGING DATA

Project # 040902-DA3 Date 9/2/04 Client Shell

Site 8930 Bancroft Ave. Oakland, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	3					15.75	16.88	TOC	
MW-2	3					15.38	19.75		
MW-3	3					13.75	19.76		
MW-4	3					13.54	18.90		
* MW-5	3		14.18	0.07	—	14.25	—		
+ MW-6	3					15.16	19.84		

* checked for SPH w/ interface probe

+ gauged w/ stinger in well

SHELL WELL MONITORING DATA SHEET

BTS #: 040902-DA3	Site: 8930 Bancroft Ave. Oakland, CA
Sampler: DA	Date: 9/2/04
Well I.D.: MW-2	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 19.75	Depth to Water (DTW): 15.38
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]: 16.25	

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

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

1.6 (Gals.) X 3 = 4.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1412	72.1	6.8	377	>1000	2	Brown, turbid
1414	70.9	6.6	371	>1000	4	"
1417	71.0	6.5	370	>1000	5	"

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Date: 9/2/04 Sampling Time: 1420 Depth to Water: 15.48

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040902-DA3	Site: 8930 Bancroft Ave - Oakland, CA
Sampler: DA	Date: 9/2/04
Well I.D.: MW-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 18.90	Depth to Water (DTW): 13.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.61	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1343	75.2	8.4	583	71000	2	tan, silty
1346	73.8	7.3	505	71000	4	"
1349	73.1	7.2	490	71000	6	"

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

Sampling Date: 9/2/04 Sampling Time: 1352 Depth to Water: 14.60

Sample I.D.: MW-4 Laboratory: (STL) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 040902-DA3	Site: 8930 Bancroft Ave. Oakland, CA
Sampler: DA	Date: 9/2/04
Well I.D.: MW-5	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW): 14.25
Depth to Free Product: 14.18	Thickness of Free Product (feet): 0.07
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ____

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	SPH present w/ thickness = 0.07. No drum on site.					
	No sample taken.					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: 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 #: 040902-DA3	Site: 8930 Bancroft Ave. Oakland, CA
Sampler: DA	Date: 9/2/04
Well I.D.: MW-6	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 19.84	Depth to Water (DTW): 15.16
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]: 16.10	

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

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

1.7 (Gals.) X 3 = 5.1 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1432	73.3	6.4	520	71000	2	inky, black, sheen
1432	well dewatered @ 2g.					
1445	73.2	6.4	523	185		clearing

Did well dewater? Yes (No) Gallons actually evacuated: 2

Sampling Date: 9/2/04 Sampling Time: 1448 Depth to Water: 16.10

Sample I.D.: MW-6 Laboratory: (STL) Other ___

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

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

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

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

ATTACHMENT B

Irrigation Well Sample Analytical Laboratory Report

SEVERN TRENT STL

Submission#: 2004-11-0386

Cambria Environmental Emeryville

November 29, 2004

5900 Hollis Street, Ste. A
Emeryville, CA 94608

Attn.: Jason Gerke

Project#: 246-1408
Project: 98995742
Site: 8930 Bancroft, Oakland

Attached is our report for your samples received on 11/11/2004 09:15
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/26/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2004-11-0386

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

Cambria Environmental Emeryville
Attn.: Jason Gerke

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 246-1408
98995742

Received: 11/11/2004 09:15

Site: 8930 Bancroft, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
W-1	11/10/2004 11:10	Water	1

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

Cambria Environmental Emeryville

Attn.: Jason Gerke

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 246-1408
98995742

Received: 11/11/2004 09:15

Site: 8930 Bancroft, Oakland

Prep(s): 5030B
Sample ID: **W-1**
Sampled: 11/10/2004 11:10
Matrix: Water
Analysis Flag: . (See Legend and Note Section)

Test(s): 8260B
Lab ID: 2004-11-0386 - 1
Extracted: 11/23/2004 22:27
QC Batch#: 2004/11/23-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/23/2004 22:27	
Surrogate(s)						
1,2-Dichloroethane-d4	106.1	76-130	%	1.00	11/23/2004 22:27	
Toluene-d8	92.2	78-115	%	1.00	11/23/2004 22:27	

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

Cambria Environmental Emeryville
Attn.: Jason Gerke

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 246-1408
98995742

Received: 11/11/2004 09:15

Site: 8930 Bancroft, Oakland

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2004/11/23-2C.68

MB: 2004/11/23-2C.68-041

Date Extracted: 11/23/2004 17:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/23/2004 17:41	
Benzene	ND	0.5	ug/L	11/23/2004 17:41	
Toluene	ND	0.5	ug/L	11/23/2004 17:41	
Surrogates(s)					
1,2-Dichloroethane-d4	93.8	76-130	%	11/23/2004 17:41	
Toluene-d8	94.6	78-115	%	11/23/2004 17:41	

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

Cambria Environmental Emeryville
Attn.: Jason Gerke

5900 Hollis Street, Ste. A
Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 246-1408
98995742

Received: 11/11/2004 09:15

Site: 8930 Bancroft, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/11/23-2C.68**

LCS 2004/11/23-2C.68-023 Extracted: 11/23/2004 Analyzed: 11/23/2004 17:23
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	21.5		25	86.0			65-165	20		
Benzene	23.2		25	92.8			69-129	20		
Toluene	22.3		25	89.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	411		500	82.2			76-130			
Toluene-d8	464		500	92.8			78-115			

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

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98995742

Received: 11/11/2004 09:15

Site: 8930 Bancroft, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/11/23-2C.68**

MS/MSD

Lab ID: 2004-11-0385 - 004

MS: 2004/11/23-2C.68-050 Extracted: 11/23/2004 Analyzed: 11/23/2004 21:50
Dilution: 1.00

MSD: 2004/11/23-2C.68-008 Extracted: 11/23/2004 Analyzed: 11/23/2004 22:08
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	80.0	90.9	67	25	52.0	95.6	59.1	65-165	20	M5	R1
Benzene	42.2	41.6	14.6	25	110.4	108.0	2.2	69-129	20		
Toluene	26.3	26.8	0.814	25	101.9	103.9	1.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	461	484		500	92.2	96.8		76-130			
Toluene-d8	501	488		500	100.2	97.6		78-115			

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

Cambria Environmental Emeryville
Attn.: Jason Gerke

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Emeryville, CA 94608
Phone: (510) 420-3320 Fax: (510) 420-9170

Project: 246-1408
98995742

Received: 11/11/2004 09:15

Site: 8930 Bancroft, Oakland

Legend and Notes

Analysis Flag

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits. See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

SHELL Chain Of Custody Record

95602

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING Karen Petryna
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

2004-11-0386

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 4 2

SAP or CRMT NUMBER (TS/CRMT):

DATE: 11/10/04

PAGE: 1 of 1

SAMPLING COMPANY: CAMBRIA ENVIRONMENTAL TECHNOLOGY INC

LOG CODE:

SITE ADDRESS (Street and City): 8930 Bancroft, Oakland

GLOBAL ID NO.:

ADDRESS: 5900 HOLLIS ST, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL: ShellOaklandEDF@cambria-env.com

CONSULTANT PROJECT NO.: 246-1408

PROJECT CONTACT (Hardcopy or PDF Report to): Jason Gerke

TELEPHONE: (510) 420-3320

FAX: (510) 420-9170

E-MAIL: jgerke@cambria-env.com

SAMPLER NAME(S) (Print): Jason Gerke

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☑ UST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST ______ HIGHEST per BORING ______ ALL ______

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

Collected at 1840 - 90th Ave - irrigation well

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable	TPH - Extractable (8015m)	BTEX	MTBE	TBA	5 Oxygenates	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFTS ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (see attached)						FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	W-1	11/10/04	1110	water	4				X																	HCl

TEMPERATURE ON RECEIPT C°: 2°C

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	"Secure Location"	11/10/04	1135
[signature]	[signature]	11/11/04	0915
[signature]	Denise Harrington / STL-SF	11/11/04	1110

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

G:\Oakland 8930 Bancroft\2004 Irrigation Well Sampling\[COC.xls]STL

10/16/00 Revision