R0428G

Denis L. Brown

Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

August 12, 2005

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

Re: Groundwater Monitoring Report –Second Quarter 2005
Former Shell Service Station
350 Grand Avenue
Oakland, California
SAP Code 135698
Incident No. 98995755

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Groundwater Monitoring Report – Second Quarter 2005* 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
Project Manager

CAMBRIA

August 12, 2005

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

Re: **Groundwater Monitoring Report – Second Quarter 2005**
Shell-branded Service Station
350 Grand Avenue
Oakland, California
SAP Code 135698
Incident No. 98995755

Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

SECOND QUARTER 2005 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged all site wells, sampled selected wells, and prepared a summary table of field gauging and laboratory analytical data. Cambria prepared a vicinity/area well survey map (Figure 1) and a groundwater contour/chemical concentration map (Figure 2). Blaine's report, presenting the laboratory report, is included as Appendix A.

Agency Meeting: Shell and Cambria met with the Alameda County Health Care Services Agency on June 8, 2005 and discussed the site background and the activities proposed in Cambria's December 27, 2004 *Site Investigation Work Plan.*

ANTICIPATED THIRD QUARTER 2005 ACTIVITIES

Groundwater Monitoring Activities: Blaine will gauge all site wells, sample selected wells, and tabulate the data. Cambria will prepare a groundwater monitoring report for submittal by November 15, 2005.

Site Investigation: Cambria received a response from ACHCSA dated July 5, 2005. This correspondence provided technical comments and approval of the above-referenced work plan.

Cambria Environmental Technology, Inc.

270 Perkins Street
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

Cambria is initiating the permitting and scheduling activities in anticipation of meeting the requested November 8, 2005 submittal date for the technical report.

HISTORICAL REMEDIATION SUMMARY

Groundwater Remediation: Cambria initiated mobile groundwater extraction (GWE) using a vacuum truck at the site in October 2002 and continued until January 2004. The cumulative estimated volume of water removed from the site through GWE is 54,679 gallons. This volume of water corresponds to the removal of approximately 2.56 pounds of MTBE.

2001 Dual-Phase Vapor Extraction (DVE) Pilot Test: In June 2001, Cambria conducted an 8-hour DVE pilot test on groundwater monitoring well S-2. Approximately 50 gallons of groundwater were extracted during the 8-hour test. Estimated mass removal through groundwater extraction of TPHg, benzene, and MTBE was 0.008 pounds, 0.0004 pounds, and 0.009 pounds, respectively. Estimated mass removal through vapor extraction of TPHg, benzene, and MTBE was 2.44 pounds, 0.002 pounds, and 0.005 pounds, respectively.

2003 Interim Remediation: In an attempt to reduce gasoline constituent concentrations localized at well S-2, Cambria conducted dual-phase extraction (DPE) from groundwater monitoring well S-2 between September 16 and September 18, 2003. Approximately 35 gallons of groundwater were extracted during approximately 50 hours of DPE from S-2. Estimated mass removal through groundwater extraction is considered negligible. Cambria also conducted soil vapor extraction (SVE) from tank backfill well T-1 on September 18, 2003 in an effort to maximize mass removal and gain additional information about the site. Estimated mass removal from the site through vapor extraction of TPHg, benzene, and MTBE was 0.152 pounds, 0.0009 pounds, and 0.0042 pounds, respectively.

CLOSING

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

Sincerely,
Cambria Environmental Technology, Inc.

Martha Murphy
Staff Geologist

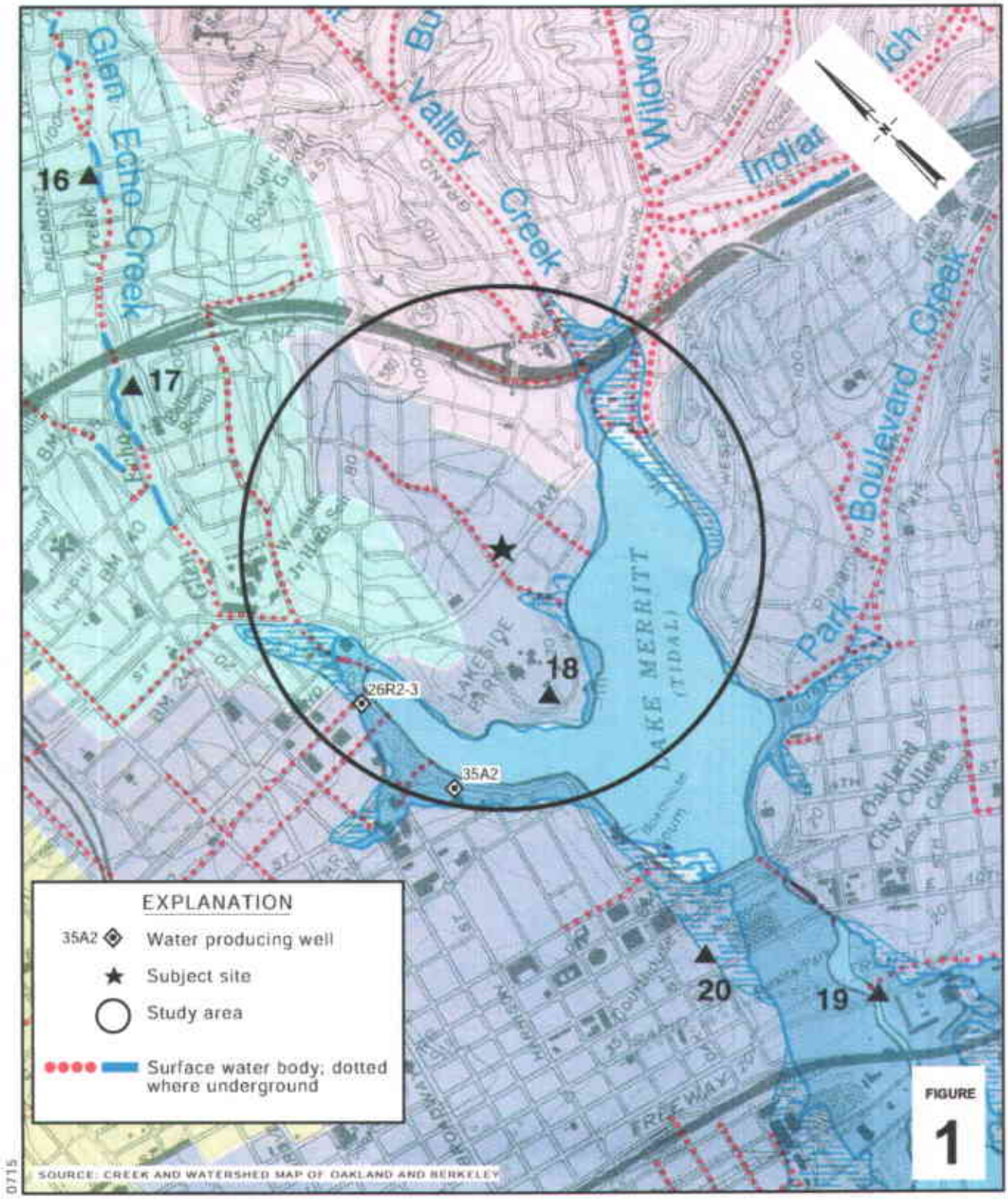
Ana Friel
Senior Project Geologist
PG 6452

Attachments:

Figure 1. Vicinity/Area Well Survey Map
Figure 2. Groundwater Contour/Chemical Concentration Map

Appendix A. Blaine Tech Services, Inc. - Groundwater Monitoring Report

cc: Denis Brown, Shell
Gursharnjeet Cheema, 1060 St. Raphael Drive, Bay Point, CA 94565



Shell-branded Service Station
350 Grand Avenue
Oakland, California

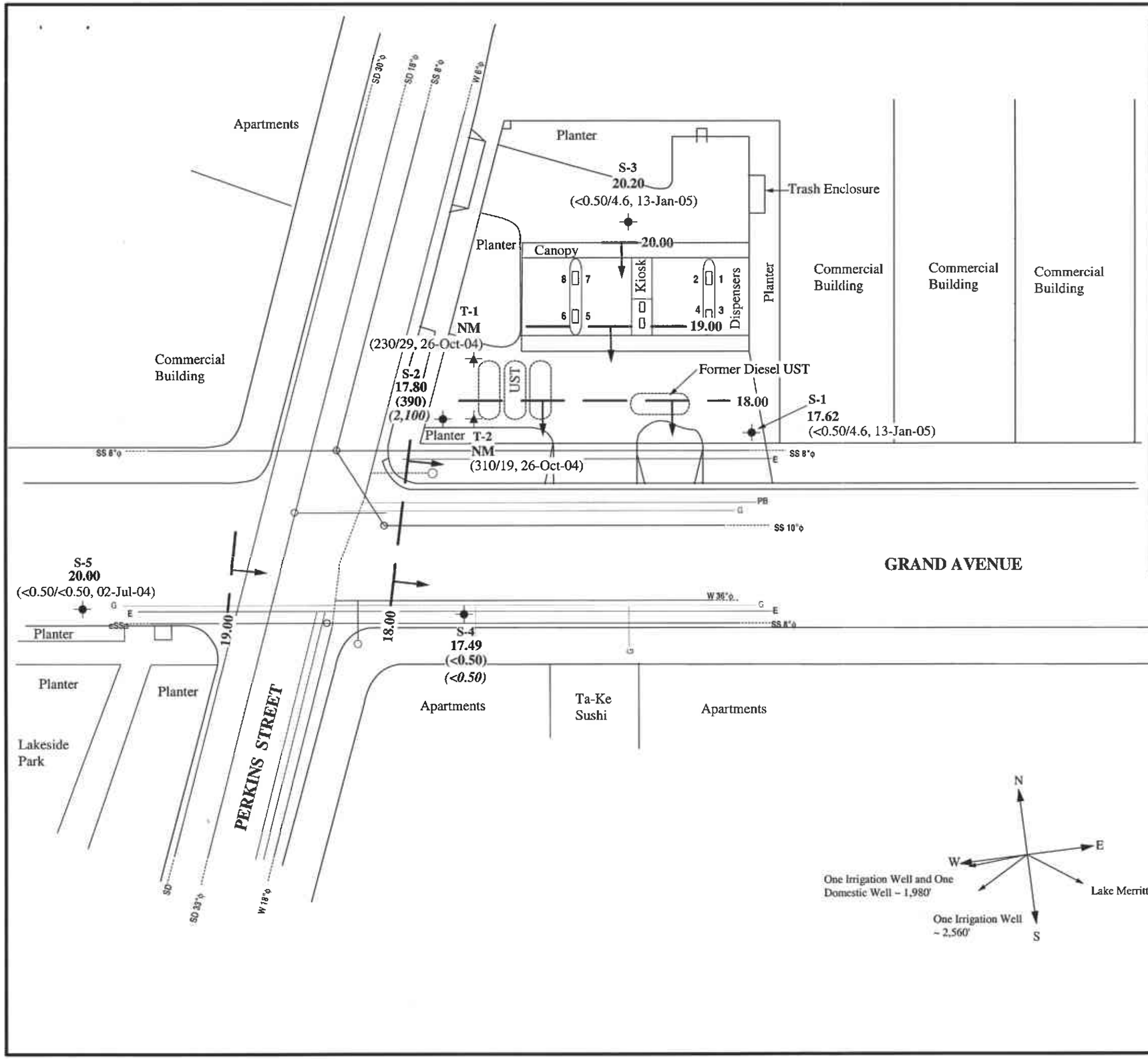
Vicinity/Area Well Survey Map

CAMBRIA

16-June-05

Groundwater Contour/Chemical Concentration Map

April 15, 2005



EXPLANATION

- Groundwater monitoring well
- Soil boring location
- Tank backfill well location
- E — Electric utility line
- W — Water main utility line
- G — Gas utility line
- SS — Sanitary sewer utility line
- SD — Storm drain utility line
- PB — Pacific Bell utility line
- Manhole
- Groundwater elevation contour in feet above mean sea level (ft msl). Arrows indicate approximate direction of groundwater flow.
- **16.88** — Groundwater elevation in ft msl
- **(<0.50)** — Benzene concentration in parts per billion
- ***(3.0)*** — MTBE concentration in ppb
- (<0.50/19, 17-Jul-03) — Benzene/MTBE concentrations in parts per billion, date last sampled
- **NM** — Not measured

Approximate hydraulic gradient = 0.02

NOTE: Utilities lines are dashed where inferred.

Shell-branded Service Station
350 Grand Avenue
Oakland, California

CAMBRIA

FIGURE
2

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Appendix A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

May 6, 2005

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

Second Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
350 Grand Avenue
Oakland, CA

Monitoring performed on April 15, 2005

Groundwater Monitoring Report **050415-WC-2**

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/cl

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

cc: Ana Friel
Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Shell-branded Service Station
350 Grand 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.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	1/23/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	9.73	11.11	NA
S-1	4/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	7.37	13.47	NA
S-1	7/19/1991	<50	<50	6.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	8.92	11.92	NA
S-1	10/9/1991	120	260d	10	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	9.62	11.22	NA
S-1	1/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	8.94	11.90	NA
S-1	4/27/1992	<50	70b	1.2	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	7.06	13.78	NA
S-1	7/10/1992	<50	930	13	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	8.31	12.53	NA
S-1	10/6/1992	62	110	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	9.55	11.29	NA
S-1	1/6/1993	85	81	1.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	9.86	10.98	NA
S-1	4/26/1993	<50	53c	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	6.30	14.54	NA
S-1 (D)	4/26/1993	<50	53c	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	6.30	14.54	NA
S-1	7/20/1993	<50	140	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	8.78	12.06	NA
S-1	10/18/1993	<50	210	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	9.20	11.64	NA
S-1	1/7/1994	<50	<50	1.4	1.5	0.55	2.8	NA	NA	NA	NA	NA	NA	20.84	9.53	11.31	NA
S-1 (D)	1/7/1994	<50	53	1.2	1.5	<0.5	2.7	NA	NA	NA	NA	NA	NA	20.84	9.53	11.31	NA
S-1	4/11/1994	<50	320	2.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	8.50	12.34	NA
S-1 (D)	4/11/1994	<50	220	2.6	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	8.50	12.34	NA
S-1	7/14/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.84	8.45	12.39	NA
S-1	7/19/1994	<50	110	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	9.07	11.77	NA
S-1	10/6/1994	110	370	1.4	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	11.68	9.16	NA
S-1	1/4/1995	120	1,000	2.5	<0.5	1.5	1.7	NA	NA	NA	NA	NA	NA	20.84	8.51	12.33	NA
S-1	4/12/1995	<50	290	2.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	6.66	14.18	NA
S-1 (D)	4/12/1995	<50	480	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	6.66	14.18	NA
S-1	7/7/1995	<50	370	5.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	6.95	13.89	NA
S-1 (D)	7/7/1995	<50	450	6.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	20.84	6.95	13.89	NA
S-1	10/5/1995	<50	200	3.9	1.2	<0.5	2.4	NA	NA	NA	NA	NA	NA	20.84	8.50	12.34	NA

WELL CONCENTRATIONS
Shell-branded Service Station
350 Grand 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.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	1/12/1996	230	1,500	2.5	<0.5	0.9	0.6	NA	NA	NA	NA	NA	NA	20.84	8.02	12.82	NA
S-1	4/2/1996	95	2,000	0.91	<0.5	<0.5	<0.5	140	NA	NA	NA	NA	NA	20.84	4.98	15.86	NA
S-1	7/30/1996	<50	510	<0.5	<0.5	<0.5	<0.5	67	NA	NA	NA	NA	NA	20.84	6.40	14.44	NA
S-1 (D)	7/30/1996	<50	380	<0.5	<0.5	<0.5	<0.5	68	NA	NA	NA	NA	NA	20.84	6.40	14.44	NA
S-1	10/2/1996	<50	250	<0.5	<0.5	<0.5	<0.5	96	NA	NA	NA	NA	NA	20.84	7.53	13.31	NA
S-1	9/19/1997	<50	120	<0.50	<0.50	<0.50	<0.50	37	NA	NA	NA	NA	NA	20.84	8.54	12.30	0.8
S-1	1/8/1998	<50	210	<0.50	<0.50	<0.50	<0.50	74	NA	NA	NA	NA	NA	20.84	9.09	11.75	2.6
S-1	7/17/1998	<50	99	<0.50	<0.50	<0.50	<0.50	25	NA	NA	NA	NA	NA	20.86	6.48	14.38	2.6
S-1	1/28/1999	92.7	212	4.5	1.83	1.59	12.1	2.17	NA	NA	NA	NA	NA	20.86	10.46	10.40	2.2
S-1	7/23/1999	537	<50	81.1	91.3	24.8	81.6	47.9	NA	NA	NA	NA	NA	20.86	10.02	10.84	2.1
S-1	1/24/2000	<50.0	79.6	<0.500	<0.500	<0.500	<0.500	8.41	NA	NA	NA	NA	NA	20.86	8.42	12.44	2.2
S-1	7/27/2000	<50.0	127	<0.500	<0.500	<0.500	<0.500	31.9	NA	NA	NA	NA	NA	20.86	7.34	13.52	1.6
S-1	1/12/2001	<50.0	225	<0.500	<0.500	<0.500	<0.500	35.9	NA	NA	NA	NA	NA	20.86	8.15	12.71	1.8
S-1	2/16/2001	<50	140	<0.50	<0.50	<0.50	1.0	NA	24	NA	NA	NA	NA	20.86	7.42	13.44	6.1
S-1	7/9/2001	<50	57	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	20.86	7.95	12.91	5.4
S-1	8/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.86	7.67	13.19	NA
S-1	10/2/2001	NA	NA	NA	NA	NA	NA	NA	2.5	NA	NA	NA	NA	20.86	7.74	13.12	4.6
S-1	1/18/2002	<50	68	<0.50	<0.50	<0.50	<0.50	NA	31	NA	NA	NA	NA	20.86	6.37	14.49	6.7
S-1	4/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.86	6.58	14.28	NA
S-1	7/16/2002	<50	100	<0.50	<0.50	<0.50	0.99	NA	35	NA	NA	NA	NA	23.66	7.38	16.28	7.0
S-1	10/10/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	7.89	15.37	NA
S-1	1/16/2003	<50	54	<0.50	<0.50	<0.50	<0.50	NA	17	NA	NA	NA	NA	23.26	6.52	16.74	0.7
S-1	5/2/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	6.44	16.82	NA
S-1	7/17/2003	<50	93 j	<0.50	<0.50	<0.50	<1.0	NA	19	NA	NA	NA	NA	23.26	6.96	16.30	0.9
S-1	11/4/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	8.09	15.17	NA
S-1	1/13/2004	<50	150 j	<0.50	<0.50	<0.50	<1.0	NA	14	NA	NA	NA	NA	23.26	6.40	16.86	NA

WELL CONCENTRATIONS
Shell-branded Service Station
350 Grand 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.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	6.41	16.85	3.1
S-1	4/5/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	5.92	17.34	NA
S-1	7/2/2004	<50	66 j	<0.50	<0.50	<0.50	<1.0	NA	2.1	<2.0	<2.0	<2.0	<5.0	23.26	6.66	16.60	1.6
S-1	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	7.36	15.90	NA
S-1	1/13/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	4.6	NA	NA	NA	NA	23.26	5.73	17.53	1.8
S-1	**4/15/2005**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**23.26**	**5.64**	**17.62**	**NA**
S-2	1/23/1991	2,500	1,200	550	15	33	42	NA	NA	NA	NA	NA	NA	21.24	10.55	10.69	NA
S-2	4/25/1991	32,000	20,000b	2,900	480	1,400	2,300	NA	NA	NA	NA	NA	NA	21.24	8.24	13.00	NA
S-2	7/19/1991	21,000	30,000b	4,700	430	1,200	2,400	NA	NA	NA	NA	NA	NA	21.24	9.55	11.69	NA
S-2	10/9/1991	29,000	32,000b	6,300	510	1,700	2,400	NA	NA	NA	NA	NA	NA	21.24	10.26	10.98	NA
S-2	1/23/1992	31,000	36,000b	5,800	480	2,000	2,700	NA	NA	NA	NA	NA	NA	21.24	9.51	11.73	NA
S-2	4/27/1992	21,000d	12,000b	4,800	320	1,600	1,400	NA	NA	NA	NA	NA	NA	21.24	7.83	13.41	NA
S-2	7/10/1992	31,000	3,700e	7,500	940	3,400	3,500	NA	NA	NA	NA	NA	NA	21.24	8.57	12.67	NA
S-2	10/6/1992	57,000	4,500e	9,300	1,200	4,000	4,900	NA	NA	NA	NA	NA	NA	21.24	9.49	11.75	NA
S-2	1/6/1993	55,000	5,600	5,600	360	3,000	3,000	NA	NA	NA	NA	NA	NA	21.24	8.56	12.68	NA
S-2	4/26/1993	32,000	9,400e	10,000	500	4,400	3,600	NA	NA	NA	NA	NA	NA	21.24	6.84	14.40	NA
S-2	7/20/1993	25,000	8,400e	5,800	300	2,700	1,400	NA	NA	NA	NA	NA	NA	21.24	8.52	12.72	NA
S-2 (D)	7/20/1993	25,000	8,900e	5,900	310	2,800	1,400	NA	NA	NA	NA	NA	NA	21.24	8.52	12.72	NA
S-2	10/18/1993	23,000	18,000e	3,700	200	2,100	1,600	NA	NA	NA	NA	NA	NA	21.24	9.36	11.88	NA
S-2 (D)	10/18/1993	28,000	14,000e	3,700	210	2,100	1,600	NA	NA	NA	NA	NA	NA	21.24	9.36	11.88	NA
S-2	1/7/1994	120,000	22,000e	6,900	400	3,100	2,600	NA	NA	NA	NA	NA	NA	21.24	8.37	12.87	NA
S-2	4/11/1994	34,000	17,000e	4,800	170	1,900	880	NA	NA	NA	NA	NA	NA	21.24	6.96	14.28	NA
S-2	7/14/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.24	7.49	13.75	NA
S-2	7/19/1994	23,000	NA	4,300	210	1,100	1,000	NA	NA	NA	NA	NA	NA	21.24	8.02	13.22	NA
S-2 (D)	7/19/1994	29,000	NA	4,700	270	1,200	1,200	NA	NA	NA	NA	NA	NA	21.24	8.02	13.22	NA

WELL CONCENTRATIONS
Shell-branded Service Station
350 Grand 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.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	10/6/1994	61,000	NA	4,600	290	1,900	1,900	NA	NA	NA	NA	NA	NA	21.24	11.00	10.24	NA
S-2 (D)	10/6/1994	52,000	NA	5,200	270	2,100	1,900	NA	NA	NA	NA	NA	NA	21.24	11.00	10.24	NA
S-2	1/4/1994	23,000	NA	4,500	49	1,300	500	NA	NA	NA	NA	NA	NA	21.24	8.07	13.17	NA
S-2 (D)	1/4/1995	18,000	NA	3,800	33	1,100	390	NA	NA	NA	NA	NA	NA	21.24	8.07	13.17	NA
S-2	4/12/1995	29,000	NA	4,300	210	990	700	NA	NA	NA	NA	NA	NA	21.24	6.12	15.12	NA
S-2	7/7/1995	26,000	NA	4,200	180	1,100	730	NA	NA	NA	NA	NA	NA	21.24	6.35	14.89	NA
S-2	10/5/1995	26,000	10,000	3,500	150	1,100	640	NA	NA	NA	NA	NA	NA	21.24	7.36	13.88	NA
S-2 (D)	10/5/1995	33,000	9,400	4,200	210	1,500	850	NA	NA	NA	NA	NA	NA	21.24	7.36	13.88	NA
S-2	1/12/1996	36,000	13,000	4,100	240	1,400	790	NA	NA	NA	NA	NA	NA	21.24	7.64	13.60	NA
S-2 (D)	1/12/1996	40,000	11,000	4,100	260	1,400	860	NA	NA	NA	NA	NA	NA	21.24	7.64	13.60	NA
S-2	4/2/1996	12,000	7,300	1,300	120	460	150	4,000	NA	NA	NA	NA	NA	21.24	6.18	15.06	NA
S-2 (D)	4/2/1996	17,000	5,800	1,800	29	590	140	7,600	NA	NA	NA	NA	NA	21.24	6.18	15.06	NA
S-2	7/30/1996	18,000	13,000	3,000	100	1,200	420	17,000	19,000	NA	NA	NA	NA	21.24	7.22	14.02	NA
S-2	10/2/1996	28,000	18,000	3,700	110	1,100	260	20,000	NA	NA	NA	NA	NA	21.24	7.60	13.64	NA
S-2 (D)	10/2/1996	25,000	31,000	3,500	100	1,100	260	19,000	NA	NA	NA	NA	NA	21.24	7.60	13.64	NA
S-2	9/19/1997	21,000	11,000	2,300	120	500	110	11,000	NA	NA	NA	NA	NA	21.24	7.45	13.79	2.1
S-2	1/8/1998	35,000	8,100	3,200	260	850	320	23,000	NA	NA	NA	NA	NA	21.24	6.96	14.28	2.3
S-2 (D)	1/8/1998	27,000	5,400	3,400	190	860	200	23,000	NA	NA	NA	NA	NA	21.24	6.96	14.28	2.3
S-2	7/17/1998	19,000	12,000	1,700	130	610	130	13,000	NA	NA	NA	NA	NA	21.24	6.67	14.57	2.3
S-2	1/28/1999	482	99	24	7.52	5.41	63.7	11	NA	NA	NA	NA	NA	21.24	10.63	10.61	2.4
S-2	7/23/1999	320	223	52.0	54.5	14.7	48.6	33.9	NA	NA	NA	NA	NA	21.24	10.12	11.12	2.6
S-2	1/24/2000	18,500	7,600	1,440	140	472	68.9	6,940	NA	NA	NA	NA	NA	21.24	8.63	12.61	1.6
S-2	7/27/2000	14,900	10,200	1,250	98.8	437	<50.0	22,200	30,200	NA	NA	NA	NA	21.24	7.94	13.30	2.0
S-2	01/12/2001 h	17,200	8,050	930	88.8	497	57.0	23,200	18,500	NA	NA	NA	NA	21.24	8.82	12.42	1.9
S-2	2/16/2001	20,000	<5,000	990	93	450	63	NA	21,000	NA	NA	NA	NA	21.24	7.10	14.14	1.6
S-2	7/9/2001	16,000	26,000	690	62	210	<50	NA	27,000	NA	NA	NA	NA	21.24	8.35	12.89	2.1

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S-2	8/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21.24	8.19	13.05	NA
S-2	10/2/2001	18,000	<12,000	810	89	470	69	NA	23,000	NA	NA	NA	NA	21.24	8.50	12.74	2.0
S-2	1/18/2002	21,000	21,000	750	79	470	69	NA	23,000	NA	NA	NA	NA	21.24	6.96	14.28	5.9
S-2	4/17/2002	34,000	<26,000	620	70	390	60	NA	17,000	NA	NA	NA	NA	21.24	7.39	13.85	0.6
S-2	7/16/2002	14,000	<10,000	630	75	310	33	NA	20,000	NA	NA	NA	NA	24.03	7.95	16.08	6.0
S-2	10/10/2002	11,000	<6,000	480	50	190	<50	NA	15,000	NA	NA	NA	NA	23.73	8.36	15.37	1.0
S-2	1/16/2003	16,000	<8,000	720	88	290	89	NA	17,000	NA	NA	NA	NA	23.73	6.98	16.75	0.7
S-2	5/2/2003	12,000 j	4,800 j	560	<50	<50	<100	NA	14,000	NA	NA	NA	NA	23.73	7.02	16.71	1.1
S-2	7/17/2003	26,000	4,800 j	850	85	240	<100	NA	13,000	NA	NA	NA	NA	23.73	8.06	15.67	2.1
S-2	11/4/2003	10,000	3,600 j	560	62	250	<100	NA	10,000	NA	NA	NA	NA	23.73	8.69	15.04	0.8
S-2	1/13/2004	17,000	5,400 j	740	<100	350	<200	NA	11,000	NA	NA	NA	NA	23.73	6.30	17.43	NA
S-2	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.73	6.64	17.09	0.3
S-2	4/5/2004	16,000	7,000 j	650	53	<50	<100	NA	10,000	NA	NA	NA	NA	23.73	6.61	17.12	0.2
S-2	7/2/2004	11,000	7,900 j	470	<50	240	<100	NA	6,800	<200	<200	<200	6,000	23.73	7.45	16.28	2.7
S-2	10/26/2004	12,000	6,900 k	370	<50	240	<100	NA	7,400	NA	NA	NA	4,900	23.73	7.80	15.93	0.5
S-2	1/13/2005	13,000	3,100 k	430	40	370	<25	NA	4,000	NA	NA	NA	2,700	23.73	5.90	17.83	0.3
S-2	**4/15/2005**	**17,000**	**4,300 k**	**390**	**<25**	**580**	**<50**	**NA**	**2,100**	**NA**	**NA**	**NA**	**2,500**	**23.73**	**5.93**	**17.80**	**1.81**
S-3	1/23/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	14.67	8.03	NA
S-3	4/25/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	12.96	9.74	NA
S-3	7/19/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	12.45	10.25	NA
S-3	10/9/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	12.98	9.72	NA
S-3	1/23/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	13.06	9.64	NA
S-3	4/27/1992	<50	100	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	7.25	15.45	NA
S-3	7/10/1992	<50	68	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	8.46	14.24	NA
S-3	10/6/1992	<50	<10	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	11.77	10.93	NA
S-3	1/6/1993	<50	<10	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	12.53	10.17	NA

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S-3	4/26/1993	<50	69	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	4.28	18.42	NA
S-3	7/20/1993	<50	120	<0.5	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	5.70	17.00	NA
S-3	10/18/1993	<50	160	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	10.30	12.40	NA
S-3	01/07/1994 a	160	58	59	26	4.9	22	NA	NA	NA	NA	NA	NA	22.70	12.40	10.30	NA
S-3	4/11/1994	<50	<50	<0.52	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	10.94	11.76	NA
S-3	7/14/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.70	7.90	14.80	NA
S-3	7/19/1994	<50	110d	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	8.12	14.58	NA
S-3	10/6/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	12.15	10.55	NA
S-3	1/4/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	11.18	11.52	NA
S-3	4/12/1995	<50	110	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	3.76	18.94	NA
S-3	7/7/1995	<50	410	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	4.72	17.98	NA
S-3	10/5/1995	<50	160	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	5.80	16.90	NA
S-3	1/12/1996	100	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	22.70	7.00	15.70	NA
S-3	4/2/1996	<50	170	<0.5	<0.5	<0.5	<0.5	3.4	NA	NA	NA	NA	NA	22.70	3.42	19.28	NA
S-3	7/30/1996	<50	92	<0.5	<0.5	<0.5	<0.5	4.3	NA	NA	NA	NA	NA	22.70	5.89	16.81	NA
S-3	10/2/1996	<50	160	<0.5	<0.5	<0.5	<0.5	4.1	NA	NA	NA	NA	NA	22.70	7.20	15.50	NA
S-3	9/19/1997	<50	260	<0.50	<0.50	<0.50	<0.50	4.3	NA	NA	NA	NA	NA	22.70	6.92	15.78	1.4
S-3 (D)	9/19/1997	<50	290	<0.50	<0.50	<0.50	<0.50	5.2	NA	NA	NA	NA	NA	22.70	6.92	15.78	1.4
S-3	1/8/1998	<50	170	<0.50	<0.50	<0.50	0.92	120	NA	NA	NA	NA	NA	22.70	5.77	16.93	2.7
S-3	7/17/1998	<50	97	<0.50	<0.50	<0.50	<0.50	33	NA	NA	NA	NA	NA	22.71	4.17	18.54	2.7
S-3	1/28/1999	656	<50.0	45.4	10.2	4.98	83.2	87.2	NA	NA	NA	NA	NA	22.71	8.15	14.56	1.8
S-3	7/23/1999	<50.0	77.3	<0.500	<0.500	<0.500	<0.500	39.3	NA	NA	NA	NA	NA	22.71	7.46	15.25	1.9
S-3	1/24/2000	<50.0	77.2	<0.500	<0.500	<0.500	<0.500	12.0	NA	NA	NA	NA	NA	22.71	5.92	16.79	2.1
S-3	7/27/2000	<50.0	142	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	22.71	6.54	16.17	1.7
S-3	01/12/2001 f	<50.0	96	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.71	8.25	14.46	1.7
S-3	2/16/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	2.0	NA	NA	NA	NA	22.71	11.37	11.34	NA

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S-3	7/9/2001	<50	<50	<0.50	0.54	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.71	9.70	13.01	1.4
S-3	8/7/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.71	11.48	11.23	NA
S-3	10/2/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.71	11.56	11.15	NA
S-3	1/18/2002	<50	120	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.71	7.74	14.97	1.5
S-3	4/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.71	6.45	16.26	NA
S-3	7/16/2002	<50	72	<0.50	<0.50	<0.50	0.61	NA	<5.0	NA	NA	NA	NA	25.49	7.70	17.79	5.0
S-3	10/10/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.14	10.15	14.99	NA
S-3	1/16/2003	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	25.14	8.60	16.54	2.9
S-3	5/2/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.14	7.07	18.07	NA
S-3	7/17/2003	<50	74 j	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	25.14	7.25	17.89	2.5
S-3	11/4/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.14	9.51	15.63	NA
S-3	1/13/2004	<50	180 j	<0.50	<0.50	<0.50	<1.0	NA	0.81	NA	NA	NA	NA	25.14	8.91	16.23	NA
S-3	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.14	8.50	16.64	3.3
S-3	4/5/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.14	6.89	18.25	NA
S-3	7/2/2004	<50	140 j	<0.50	<0.50	<0.50	<1.0	NA	0.65	<2.0	<2.0	<2.0	<5.0	25.14	7.50	17.64	7.1
S-3	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.14	9.74	15.40	NA
S-3	1/13/2005	<50	54 j	<0.50	<0.50	<0.50	<1.0	NA	3.0	NA	NA	NA	NA	25.14	8.26	16.88	4.0
S-3	**4/15/2005**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**25.14**	**4.94**	**20.20**	**NA**
S-4	7/17/1998	<50	220	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	19.96	6.59	13.37	2.5
S-4 (D)	7/17/1998	<50	260	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	19.96	6.59	13.37	2.5
S-4	1/28/1999	<50.0	356	0.882	<0.500	<0.500	0.71	<2.00	NA	NA	NA	NA	NA	19.96	10.57	9.39	3.0
S-4	7/23/1999	<50.0	<50	<0.500	<0.500	<0.500	<0.500	8.27	NA	NA	NA	NA	NA	19.96	10.06	9.90	2.1
S-4	1/24/2000	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.96	8.29	11.67	NA
S-4	2/2/2000	<50.0	410	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	19.96	9.93	10.03	2.0
S-4	7/27/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.96	NA	NA	NA

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S-4	8/2/2000	<50.0	265	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	19.96	8.05	11.91	2.0
S-4	1/12/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.96	NA	NA	NA
S-4	1/25/2001	<50.0	235	<0.500	0.629	0.656	4.65	<2.50	NA	NA	NA	NA	NA	19.96	10.12	9.84	2.0
S-4	2/16/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.96	NA	NA	NA
S-4	7/9/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.96	NA	NA	NA
S-4	8/7/2001	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	19.96	8.77	11.19	2.3
S-4	10/2/2001	<50	350	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	19.96	9.09	10.87	2.6
S-4	1/18/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.96	NA	NA	NA
S-4	1/23/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.96	7.13	12.83	NA
S-4	4/17/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.96	6.28	13.68	NA
S-4	4/26/2002	<50	260	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	19.96	5.63	14.33	g
S-4	7/16/2002	<50	250	<0.50	<0.50	<0.50	1.1	NA	<5.0	NA	NA	NA	NA	22.75	6.90	15.85	1.6
S-4	10/10/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.34	9.20	13.14	NA
S-4	1/16/2003	<50	280	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.34	7.11	15.23	2.1
S-4	5/2/2003	53	130 j	0.67	<0.50	3.8	2.4	NA	<5.0	NA	NA	NA	NA	22.34	5.14	17.20	0.61
S-4	7/17/2003	<50	76 j	1.4	0.57	2.0	1.3	NA	<0.50	NA	NA	NA	NA	22.34	7.26	15.08	g
S-4	11/4/2003	<50	130 j	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	22.34	9.03	13.31	g
S-4	1/13/2004	<50	190 j	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	22.34	8.20	14.14	NA
S-4	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.34	6.91	15.43	1.8
S-4	4/5/2004	<50	79 j	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	22.34	5.70	16.64	6.0
S-4	7/2/2004	<50	140 j	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	22.34	8.11	14.23	7.3
S-4	10/26/2004	<50	870 j	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	22.34	9.14	13.20	0.2
S-4	1/13/2005	<50	59 j	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	22.34	4.38	17.96	7.6
S-4	**4/15/2005**	**<50**	**56 j**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<0.50**	**NA**	**NA**	**NA**	**NA**	**22.34**	**4.85**	**17.49**	**2.02**
S-5	7/17/1998	<50	110	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.27	6.78	15.49	2.2

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350 Grand 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.)	GW Elevation (MSL)	DO Reading (ppm)
S-5	1/28/1999	<50.0	109	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	22.27	10.75	11.52	2.0
S-5	7/23/1999	<50.0	204	<0.500	<0.500	<0.500	<0.500	5.95	NA	NA	NA	NA	NA	22.27	10.21	12.06	1.8
S-5	1/24/2000	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.27	8.23	14.04	NA
S-5	2/2/2000	<50.0	172	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	22.27	10.15	12.12	1.9
S-5	7/27/2000	<50.0	119	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	22.27	7.41	14.86	2.0
S-5	1/12/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.27	8.80	13.47	NA
S-5	1/25/2001	NA	193	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.27	9.77	12.50	1.7
S-5	2/16/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.27	NA	NA	NA
S-5	7/9/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.27	NA	NA	NA
S-5	8/7/2001	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	22.27	8.97	13.30	2.2
S-5	10/2/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.27	8.44	13.83	NA
S-5	1/18/2002	<50	190	<0.50	<0.50	<0.50	0.51	NA	<5.0	NA	NA	NA	NA	22.27	6.67	15.60	1.9
S-5	4/17/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.27	6.95	15.32	NA
S-5	7/16/2002	<50	1,200	<0.50	<0.50	<0.50	1.2	NA	<5.0	NA	NA	NA	NA	25.06	7.31	17.75	1.8
S-5	10/10/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.78	8.07	16.71	NA
S-5	1/16/2003	<50	110	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	24.78	6.42	18.36	2.3
S-5	5/2/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.78	6.20	18.58	NA
S-5	7/17/2003	<50	67 j	2.1	0.87	2.8	1.9	NA	<0.50	NA	NA	NA	NA	24.78	7.82	16.96	g
S-5	11/4/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.78	8.53	16.25	NA
S-5	1/13/2004	<50	350 j	<0.50	0.51	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	24.78	7.47	17.31	NA
S-5	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.78	6.28	18.50	1.1
S-5	4/5/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.78	5.79	18.99	NA
S-5	7/2/2004	<50	140 j	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	24.78	7.98	16.80	7.1
S-5	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.78	8.44	16.34	NA
S-5	1/13/2005	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.78	7.96	16.82	NA
S-5	**4/15/2005**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**24.78**	**4.78**	**20.00**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
350 Grand 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.)	GW Elevation (MSL)	DO Reading (ppm)
T-1	7/16/2002	<5,000	180	<50	<50	<50	<50	NA	14,000	NA	NA	NA	NA	NA	7.71	NA	5.0
T-1	10/10/2002	<5,000	320	<50	<50	<50	<50	NA	17,000	NA	NA	NA	NA	24.14	8.91	15.23	2.3
T-1	1/16/2003	<1,000	230	12	<10	<10	<10	NA	5,800	NA	NA	NA	NA	24.14	7.55	16.59	1.2
T-1	5/2/2003	<2,500	400 j	<25	<25	<25	<50	NA	3,300	NA	NA	NA	NA	24.14	7.69	16.45	0.8
T-1	7/17/2003	<1,000	230 j	<10	<10	<10	<20	NA	3,300	NA	NA	NA	NA	24.14	8.52	15.62	1.1
T-1	11/4/2003	<500	200 j	<5.0	<5.0	<5.0	<10	NA	220	NA	NA	NA	NA	24.14	8.88	15.26	1.7
T-1	1/13/2004	<50	170 j	0.71	<0.50	<0.50	<1.0	NA	42	NA	NA	NA	NA	24.14	6.58	17.56	NA
T-1	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.14	7.60	16.54	0.2
T-1	4/5/2004	1,800	410 j	13	60	25	490	NA	30	NA	NA	NA	NA	24.14	6.09	18.05	0.2
T-1	7/2/2004	180	610 j	2.7	<0.50	<0.50	2.3	NA	24	NA	NA	NA	NA	24.14	7.39	16.75	1.2
T-1	10/26/2004	1,000	1,400 j	230	9.2	1.6	68	NA	29	NA	NA	NA	NA	24.14	7.73	16.41	0.5
T-2	7/16/2002	<5,000	390	<50	<50	<50	<50	NA	17,000	NA	NA	NA	NA	NA	7.15	NA	4.0
T-2	10/10/2002	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.55	8.19	15.36	NA
T-2	1/16/2003	<1,000	120	<10	<10	<10	<10	NA	2,900	NA	NA	NA	NA	23.55	6.98	16.57	1.5
T-2	5/2/2003	<500	190 j	<5.0	<5.0	<5.0	<10	NA	1,000	NA	NA	NA	NA	23.55	7.20	16.35	1.3
T-2	7/17/2003	<1,000	200 j	<10	<10	<10	<20	NA	2,800	NA	NA	NA	NA	23.55	7.88	15.67	1.2
T-2	11/4/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.55	NA	NA	NA
T-2	1/13/2004	<250	430 j	<2.5	<2.5	<2.5	<5.0	NA	31	NA	NA	NA	NA	23.55	6.01	17.54	NA
T-2	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.55	6.13	17.42	0.6
T-2	4/5/2004	8,800	2,000 j	26	200	120	1,700	NA	55	NA	NA	NA	NA	23.55	5.53	18.02	0.3
T-2	7/2/2004	850	1,400 j	26	3.5	<2.5	47	NA	44	NA	NA	NA	NA	23.55	6.73	16.82	0.9
T-2	10/26/2004	2,200	1,000 j	310	23	3.8	240	NA	19	NA	NA	NA	NA	23.55	7.15	16.40	0.6

WELL CONCENTRATIONS
Shell-branded Service Station
350 Grand 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.)	GW Elevation (MSL)	DO Reading (ppm)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to February 16, 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 February 16, 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
TOB = Top of Wellbox Elevation
TOC = Top of Casing Elevation
GW = Groundwater
HP = Hydropunch ground water sample
T = Tank backfill well
DO = Dissolved Oxygen
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
350 Grand 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.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = TPPH/BTEX concentrations anomalous with historical data. Lab verified concentrations.

b = Compounds reported as TPH-D appear to be the less volatile constituents of gasoline.

c = Compounds reported as TPH-D are primarily due to the presence of a heavier petroleum product, possibly motor oil.

d = Chromatogram pattern indicated an unidentified hydrcocarbon.

e = Compounds reported as TPH-D are primarily due to the presence of lighter petroleum product, possibly gasoline.

f = These results are listed as S-2 on the analytical report due to possible mislabeling in the field or laboratory.

g = DO reading not taken due to insufficient water.

h = These results are listed as S-3 on the analytical report due to possible mislabeling in the field or laboratory.

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

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

Resampled on February 16, 2001 to confirm mislabeling.

Wells S-1, S-3, S-4, and S-5 surveyed on May 4, 1998 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed March 5, 2002 and July 29, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Beginning October 10, 2002 depth to water referenced to Top of Casing elevation.

SEVERN TRENT STL

Submission#: 2005-04-0539

Blaine Tech Services, Inc.

May 02, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 050415-WC-2
Project: 98995755
Site: 350 Grand Ave., Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 04/15/2005 15:53
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 05/30/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2005-04-0539

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-2	04/15/2005 11:11	Water	1
S-4	04/15/2005 09:59	Water	2

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	S-2	Lab ID:	2005-04-0539 - 1
Sampled:	04/15/2005 11:11	Extracted:	4/26/2005 11:01
Matrix:	Water	QC Batch#:	2005/04/26-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	4300	50	ug/L	1.00	04/27/2005 23:37	edr
Surrogate(s)						
o-Terphenyl	105.0	64-127	%	1.00	04/27/2005 23:37	

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Prep(s):	3511	Test(s):	8015M
Sample ID:	S-4	Lab ID:	2005-04-0539 - 2
Sampled:	04/15/2005 09:59	Extracted:	4/26/2005 11:01
Matrix:	Water	QC Batch#:	2005/04/26-05.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	56	50	ug/L	1.00	04/27/2005 23:10	ndp
Surrogate(s)						
o-Terphenyl	94.2	64-127	%	1.00	04/27/2005 23:10	

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Batch QC Report

Prep(s): 3511 — Test(s): 8015M
Method Blank — Water — **QC Batch # 2005/04/26-05.10**
MB: 2005/04/26-05.10-001 — Date Extracted: 04/26/2005 11:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	04/27/2005 13:05	
Surrogates(s)					
o-Terphenyl	93.5	64-127	%	04/27/2005 13:05	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2005/04/26-05.10**

LCS 2005/04/26-05.10-002 Extracted: 04/26/2005 Analyzed: 04/27/2005 13:35

LCSD 2005/04/26-05.10-003 Extracted: 04/26/2005 Analyzed: 04/27/2005 14:05

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	508	561	680	74.7	82.5	9.9	60-150	25		
Surrogates(s)										
o-Terphenyl	1.37	1.38	1.25	109.7	110.7		64-127	0		

Diesel (C9-C24)

Blaine Tech Services, Inc.
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San Jose, CA 95112-1105
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Project: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Legend and Notes

Result Flag

edr

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

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

SEVERN TRENT STL

Submission: 2005-04-0539

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: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-2	04/15/2005 11:11	Water	1
S-4	04/15/2005 09:59	Water	2

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: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-2	Lab ID:	2005-04-0539 - 1
Sampled:	04/15/2005 11:11	Extracted:	4/28/2005 13:44
Matrix:	Water	QC Batch#:	2005/04/28-1A.69

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

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	17000	2500	ug/L	50.00	04/28/2005 13:44	
Benzene	390	25	ug/L	50.00	04/28/2005 13:44	
Toluene	ND	25	ug/L	50.00	04/28/2005 13:44	
Ethylbenzene	580	25	ug/L	50.00	04/28/2005 13:44	
Total xylenes	ND	50	ug/L	50.00	04/28/2005 13:44	
tert-Butyl alcohol (TBA)	2500	250	ug/L	50.00	04/28/2005 13:44	
Methyl tert-butyl ether (MTBE)	2100	25	ug/L	50.00	04/28/2005 13:44	
Surrogate(s)						
1,2-Dichloroethane-d4	103.7	73-130	%	50.00	04/28/2005 13:44	
Toluene-d8	108.7	81-114	%	50.00	04/28/2005 13:44	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-4	Lab ID:	2005-04-0539 - 2
Sampled:	04/15/2005 09:59	Extracted:	4/28/2005 14:04
Matrix:	Water	QC Batch#:	2005/04/28-1A.69
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	04/28/2005 14:04	Q6
Benzene	ND	0.50	ug/L	1.00	04/28/2005 14:04	
Toluene	ND	0.50	ug/L	1.00	04/28/2005 14:04	
Ethylbenzene	ND	0.50	ug/L	1.00	04/28/2005 14:04	
Total xylenes	ND	1.0	ug/L	1.00	04/28/2005 14:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/28/2005 14:04	
Surrogate(s)						
1,2-Dichloroethane-d4	99.8	73-130	%	1.00	04/28/2005 14:04	
Toluene-d8	97.0	81-114	%	1.00	04/28/2005 14:04	

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: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B
Method Blank — Water — **QC Batch # 2005/04/28-1A.69**
MB: 2005/04/28-1A.69-034 — Date Extracted: 04/28/2005 07:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	04/28/2005 07:34	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	04/28/2005 07:34	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/28/2005 07:34	
Benzene	ND	0.5	ug/L	04/28/2005 07:34	
Toluene	ND	0.5	ug/L	04/28/2005 07:34	
Ethylbenzene	ND	0.5	ug/L	04/28/2005 07:34	
Total xylenes	ND	1.0	ug/L	04/28/2005 07:34	
Surrogates(s)					
1,2-Dichloroethane-d4	90.8	73-130	%	04/28/2005 07:34	
Toluene-d8	99.2	81-114	%	04/28/2005 07:34	

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: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Water** — **QC Batch # 2005/04/28-1A.69**

LCS 2005/04/28-1A.69-014 — Extracted: 04/28/2005 — Analyzed: 04/28/2005 07:14
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)	22.4		25	89.6			65-165	20		
Benzene	23.9		25	95.6			69-129	20		
Toluene	27.8		25	111.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	432		500	86.4			73-130			
Toluene-d8	481		500	96.2			81-114			

Gas/BTEX Fuel Oxygenates 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: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — Water — **QC Batch # 2005/04/28-1A.69**

MS/MSD — Lab ID: 2005-04-0562 - 004

MS: 2005/04/28-1A.69-029 — Extracted: 04/28/2005 — Analyzed: 04/28/2005 08:29 — Dilution: 1.00

MSD: 2005/04/28-1A.69-049 — Extracted: 04/28/2005 — Analyzed: 04/28/2005 08:49 — Dilution: 1.00

Compound	Conc. ug/L			Spk Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	26.4	26.3	ND	25	105.6	105.2	0.4	65-165	20		
Benzene	29.6	27.7	ND	25	118.4	110.8	6.6	69-129	20		
Toluene	35.3	34.0	ND	25	141.2	136.0	3.8	70-130	20	M4	M4
Surrogate(s)											
1,2-Dichloroethane-d4	457	452		500	91.4	90.4		73-130			
Toluene-d8	552	560		500	110.4	112.0		81-114			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 050415-WC-2
98995755

Received: 04/15/2005 15:53

Site: 350 Grand Ave., Oakland

Legend and Notes

Sample Comment

Lab ID: 2005-04-0539 -2

Siloxane peaks were found in the sample, which are not believed to be gas related. If they were to be quantified, the concentration would be 77 ug/L

Analysis Flag

L2

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

Result Flag

M4

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

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

LAB: STL

SHELL Chain Of Custody Record

114275

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

- [x] SCIENCE & ENGINEERING
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON

Karen Petryna

2005-04-0539

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

SAP or CRMT NUMBER (TS/CRMT):

DATE: 4/15/05

PAGE: 1 of 1

SAMPLING COMPANY	Blaine Tech Services
LOG CODE	BTSS
SITE ADDRESS (Street and City)	350 Grand Ave., Oakland
GLOBAL ID NO.	T0600101255
ADDRESS	1680 Rogers Avenue, San Jose, CA 95112
EDF DELIVERABLE TO (Responsible Party or Designee)	Ana Friel
PHONE NO.	(707) 442-2700
E-MAIL	sonomaedf@cambria-env.com
CONSULTANT PROJECT NO.	050415-WC-2
BTS #	
PROJECT CONTACT (Hardcopy or PDF Report to)	Leon Gearhart
SAMPLER NAME(S) (Print)	Will Crow
TELEPHONE	408-573-0555
FAX	408-573-7771
E-MAIL	lgearhart@blainetech.com
LAB USE ONLY	

TURNAROUND TIME (BUSINESS DAYS): [x] 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 NOTES: Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°: 3

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	EDB & 1,2-DCA (8260B)	TBA	TPH-D	FIELD NOTES
✓	S-2	4/15/05	1111	H_2O	6	X	X		X					X	X	
✓	S-4	↓	0959	↓	↓	X	X		X						X	

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Will Crow 1835	[signature]	4/15/05	1553
[signature] 4/15/05	[signature]	04/15/05	1835

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

10/16/00 Revision

CSO Graphic (714) 895-9202