



R0121

Denis L. Brown

January 19, 2006

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

**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](mailto:denis.l.brown@shell.com)

Re: Groundwater Monitoring Report – Fourth Quarter 2005  
Shell-branded Service Station  
999 San Pablo Avenue  
Albany, California  
SAP Code 135037  
Incident No. 98995143

Alameda County  
JAN 23 2006  
Environmental Health

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Groundwater Monitoring Report – Fourth 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



January 19, 2006

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

Re: **Groundwater Monitoring Report – Fourth Quarter 2005**  
Shell-branded Service Station  
999 San Pablo Avenue  
Albany, California  
SAP Code 135037  
Incident No. 98995143



Alameda County  
JAN 23 2006  
Environmental Health

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.

#### **FOURTH QUARTER 2005 ACTIVITIES**

Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells, measured dissolved oxygen (DO) concentrations in selected wells, and prepared a summary table of field gauging and laboratory analytical data. Well S-7 has been paved over and was not accessible. Blaine is obtaining the necessary permit to try to retrieve that well. Sampling was coordinated this quarter with the Arco Station at 1001 San Pablo Avenue. Cambria prepared a site 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. The groundwater monitoring results for the Arco Station are included as Appendix B

In the third quarter 2005, there was an increase in total petroleum hydrocarbons as gasoline and a decrease in DO concentrations in upgradient well S-1. This may indicate impact occurring from on upgradient source northeast of the site. Well S-1 was not sampled this quarter.

#### **ANTICIPATED FIRST QUARTER 2006 ACTIVITIES**

Blaine will gauge and sample the site wells according to the existing sampling schedule, measure DO concentrations in selected wells, and tabulate the data. Cambria will prepare a groundwater monitoring report.

**Cambria  
Environmental  
Technology, Inc.**

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



**HISTORICAL REMEDIATION SUMMARY**

As recommended in our August 12, 2002 *Second Quarter 2002 Monitoring Report*, Blaine installed oxygen releasing compound (ORC) in wells S-2 and S-3 during the fourth quarter 2002 monitoring event to enhance intrinsic biodegradation at the site. The ORCs were replaced on a semi-annual schedule during the second and fourth quarters. The final replacement of the ORCs occurred during the second quarter of 2004.



**RECOMMENDATIONS**

Given the continued impact to well S-6 from the Arco plume, Shell recommends discontinuing sampling of that well. During a meeting scheduled for February 2, 2006, we will discuss this recommendation with Alameda County and, unless directed otherwise by Alameda County, Shell will discontinue monitoring well S-6 after the fourth quarter of 2005. Arrangements can be made for Arco take over the monitoring of well S-6.

**CLOSING**

Please call Ana Friel at (707) 268-3812 if you have any questions or comments regarding this submittal.

Sincerely,  
**Cambria Environmental Technology, Inc**

Martha Murphy  
Staff Geologist

Ana Friel, PG  
Senior Project Geologist



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# C A M B R I A

Attachments:

- Figure 1. Site Vicinity/Area Well Survey Map  
Figure 2. Groundwater Contour/Chemical Concentration Map
- Appendix A. Blaine Tech Services, Inc. - Groundwater Monitoring Report  
Appendix B. Groundwater Monitoring Results - ARCO



cc: Mr. Denis Brown, Shell Oil Products US  
Ms. Betty Patton, Site owner







0366

SOURCE: TOPOI MAPS

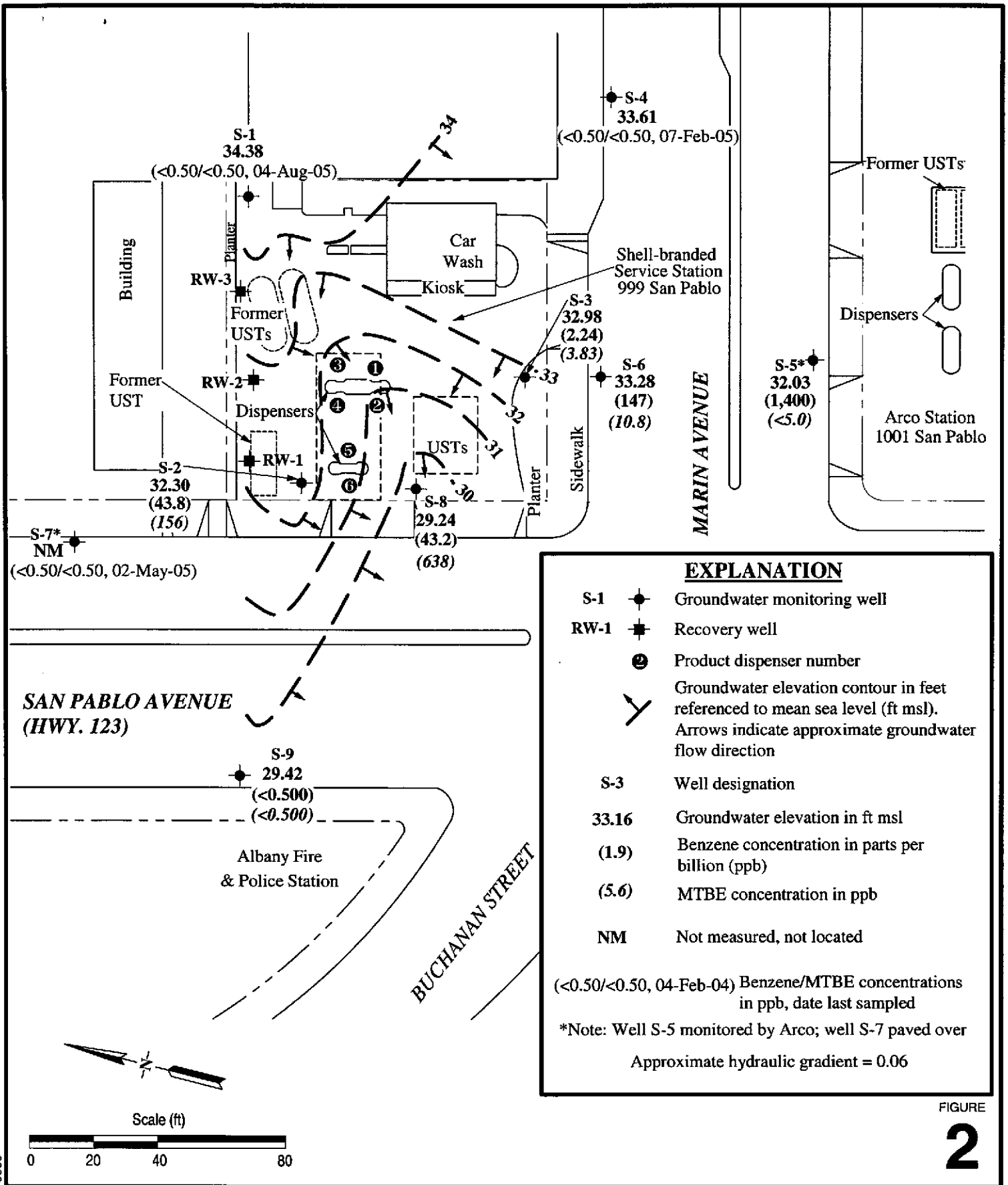
**Shell-branded Service Station**  
 999 San Pablo Avenue  
 Albany, California



C A M B R I A

**Site Vicinity/  
 Area Well Survey Map**  
 (1/2-Mile Radius)







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



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**BLAINE  
TECH SERVICES INC.**

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**GROUNDWATER SAMPLING SPECIALISTS  
SINCE 1985**

January 5, 2006

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

Fourth Quarter 2005 Groundwater Monitoring at  
Shell-branded Service Station  
999 San Pablo Avenue  
Albany, CA

Monitoring performed on November 16, 2005

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**Groundwater Monitoring Report 051116-DW-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

Mike Ninokata  
Project Coordinator

MN/ks

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**  
**999 San Pablo Avenue**  
**Albany, CA**

Well ID	Date	TPPH (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 (M/S/L)	Depth to Water (ft.)	GW Elevation (M/S/L)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	05/13/1991	1,500	20	2.6	86	74	NA	NA	NA	NA	NA	NA	42.73	8.24	34.49	NA	NA
S-1	08/23/1991	2,900	27	<2.5	75	18	NA	NA	NA	NA	NA	NA	42.73	8.37	34.96	NA	NA
S-1	11/07/1991	2,900	8	2.5	46	26	NA	NA	NA	NA	NA	NA	42.73	8.30	34.43	NA	NA
S-1	01/28/1992	2,000	11	<2.5	60	20	NA	NA	NA	NA	NA	NA	42.73	7.84	34.89	NA	NA
S-1	05/06/1992	1,200	5.5	<2.5	80	36	NA	NA	NA	NA	NA	NA	42.73	7.95	34.78	NA	NA
S-1	08/26/1992	2,000	9.4	<2.5	130	<2.5	NA	NA	NA	NA	NA	NA	42.73	8.24	34.49	NA	NA
S-1	10/28/1992	1,300	27	3.2	72	13	NA	NA	NA	NA	NA	NA	42.73	8.52	34.21	NA	NA
S-1	01/19/1993	1,500	13	3	29	31	NA	NA	NA	NA	NA	NA	42.73	6.54	36.19	NA	NA
S-1	04/29/1993	2,000	15	<2.5	82	<65	NA	NA	NA	NA	NA	NA	42.73	7.93	34.80	NA	NA
S-1	07/22/1993	620	1.1	4.2	3.5	13	NA	NA	NA	NA	NA	NA	42.73	8.09	34.64	NA	NA
S-1	10/21/1993	1,200	34	25	15	9.5	NA	NA	NA	NA	NA	NA	42.73	9.43	33.30	NA	NA
S-1	01/04/1994	860	<2.5	<2.5	5.7	5.3	NA	NA	NA	NA	NA	NA	42.73	8.25	34.48	NA	NA
S-1	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.02	34.71	NA	NA
S-1	07/25/1994	1,200	8.3	7.4	15	20	NA	NA	NA	NA	NA	NA	42.73	8.22	34.51	NA	NA
S-1	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.29	34.44	NA	NA
S-1	01/26/1995	1,000	12	0.6	12	420	NA	NA	NA	NA	NA	NA	42.73	6.88	35.85	NA	NA
S-1	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.65	35.08	NA	NA
S-1	07/28/1995	660	7.2	1	11	8.9	NA	NA	NA	NA	NA	NA	42.73	7.90	34.83	NA	4
S-1	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.72	35.01	NA	NA
S-1	01/10/1996	1,100	3.5	7	5.1	9.4	NA	NA	NA	NA	NA	NA	42.73	8.24	34.49	NA	7.4
S-1	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.74	34.99	NA	NA
S-1	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	42.73	7.92	34.81	NA	2.7
S-1	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.56	35.17	NA	0.6
S-1	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	42.73	7.95	34.78	NA	3
S-1	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.11	34.62	NA	0.5
S-1	08/22/1997	810	18	<2.0	5.1	4.4	18	NA	NA	NA	NA	NA	42.73	7.86	34.87	NA	3
S-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.35	34.38	NA	1.1
S-1	02/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	42.73	6.09	36.64	NA	2.9

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**999 San Pablo Avenue**  
**Albany, CA**

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.69	35.04	NA	1.1
S-1	08/20/1998	390	6.7	<0.50	0.64	<0.50	14	NA	NA	NA	NA	NA	42.73	8.20	34.53	NA	1.9
S-1	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.23	34.50	NA	NA
S-1	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	42.73	7.47	35.26	NA	1.5
S-1	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.60	35.13	NA	1.3
S-1	08/24/1999	72.4	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	42.73	7.95	34.78	NA	1.4
S-1	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.87	34.86	NA	1.3
S-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	42.73	7.26	35.47	NA	1.4
S-1	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.13	34.60	NA	1.0
S-1	08/03/2000	209	6.42	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	42.73	8.12	34.61	NA	1.4
S-1	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.06	34.67	NA	1.0
S-1	02/14/2001	179	4.46	<0.500	<0.500	<0.500	8.72	NA	NA	NA	NA	NA	42.73	8.08	34.65	NA	1.1
S-1	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.05	34.68	NA	1.0
S-1	08/15/2001	270	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	42.73	8.40	34.33	NA	1.3
S-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	7.42	35.31	NA	0.4
S-1	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	42.73	7.60	35.13	NA	2.2
S-1	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.73	8.16	34.57	NA	0.8
S-1	07/25/2002	230	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	42.57	7.84	34.73	NA	0.9
S-1	11/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	8.01	34.56	NA	0.6
S-1	01/30/2003	310	<0.50	<0.50	3.6	1.6	NA	<5.0	NA	NA	NA	NA	42.57	7.56	35.01	NA	1.5
S-1	06/03/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	7.87	34.70	NA	1.6
S-1	08/08/2003	730	<0.50	<0.50	12	6.4	NA	<0.50	NA	NA	NA	NA	42.57	7.95	34.62	NA	1.3
S-1	11/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	7.90	34.67	NA	0.8
S-1	02/04/2004	220	<0.50	<0.50	1.8	1.1	NA	<0.50	NA	NA	NA	NA	42.57	7.37	35.20	NA	1.2
S-1	05/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	8.05	34.52	NA	1.1
S-1	08/23/2004	110 g	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	42.57	8.10	34.47	NA	0.6
S-1	12/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	7.84	34.73	NA	NA
S-1	02/07/2005	53 h	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	42.57	7.48	35.09	NA	0.49

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**999 San Pablo Avenue**  
**Albany, CA**

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	05/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	8.05	34.52	NA	NA
S-1	08/04/2005	850	<0.50	<0.50	4.5	1.0	NA	<0.50	NA	NA	NA	NA	42.57	8.05	34.52	NA	0.01
S-1	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.57	8.19	34.38	NA	NA

S-2	05/13/1991	23,000	3,900	230	1,100	3,200	NA	NA	NA	NA	NA	NA	40.73	8.50	32.23	NA	NA
S-2	08/23/1991	23,000	4,400	260	1,900	2,400	NA	NA	NA	NA	NA	NA	40.73	8.80	31.93	NA	NA
S-2	11/07/1991	40,000	4,000	160	1,020	3,400	NA	NA	NA	NA	NA	NA	40.73	8.61	32.12	NA	NA
S-2	01/28/1992	22,000	1,600	70	420	1,700	NA	NA	NA	NA	NA	NA	40.73	7.80	32.93	NA	NA
S-2	05/06/1992	20,000	2,600	110	860	1,900	NA	NA	NA	NA	NA	NA	40.73	8.10	32.63	NA	NA
S-2	08/26/1992	42,000	5,000	160	1,100	3,500	NA	NA	NA	NA	NA	NA	40.73	8.37	32.36	NA	NA
S-2	10/28/1992	34,000	4,800	330	1,600	2,900	NA	NA	NA	NA	NA	NA	40.73	8.64	32.09	NA	NA
S-2	01/19/1993	20,000	2,300	370	660	1,300	NA	NA	NA	NA	NA	NA	40.73	5.82	34.91	NA	NA
S-2	04/29/1993	40,000	2,000	67	900	1,900	NA	NA	NA	NA	NA	NA	40.73	7.70	33.03	NA	NA
S-2	07/22/1993	22,000	3,000	120	1,000	1,600	NA	NA	NA	NA	NA	NA	40.73	8.38	32.35	NA	NA
S-2 (D)	07/22/1993	17,000	3,000	110	1,000	1,500	NA	NA	NA	NA	NA	NA	40.73	8.38	32.35	NA	NA
S-2	10/21/1993	14,000	2,800	74	870	1,100	NA	NA	NA	NA	NA	NA	40.73	8.58	32.15	NA	NA
S-2 (D)	10/21/1993	13,000	3,200	53	960	820	NA	NA	NA	NA	NA	NA	40.73	8.58	32.15	NA	NA
S-2	01/04/1994	21,000	2,100	67	990	770	NA	NA	NA	NA	NA	NA	40.73	7.70	33.03	NA	NA
S-2 (D)	01/04/1994	22,000	2,000	64	910	750	NA	NA	NA	NA	NA	NA	40.73	7.70	33.03	NA	NA
S-2	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.62	33.11	NA	NA
S-2	07/25/1994	43,000	2,600	490	990	1,300	NA	NA	NA	NA	NA	NA	40.73	7.86	32.87	NA	NA
S-2	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.12	32.61	NA	NA
S-2	01/26/1995	21,000	790	12	290	570	NA	NA	NA	NA	NA	NA	40.73	6.38	34.35	NA	5.5
S-2	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.01	33.72	NA	NA
S-2	07/28/1995	14,000	2,400	360	960	370	NA	NA	NA	NA	NA	NA	40.73	7.82	32.91	NA	4
S-2	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.57	33.16	NA	NA
S-2	01/10/1996	17,000	1,400	<50	480	170	NA	NA	NA	NA	NA	NA	40.73	8.13	32.60	NA	7.2
S-2	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.72	33.01	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**999 San Pablo Avenue**  
**Albany, CA**

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-2	07/23/1996	16,000	2,700	69	1,100	110	9,500	NA	NA	NA	NA	NA	40.73	8.10	32.63	NA	2.2
S-2 (D)	07/23/1996	11,000	2,600	68	1,000	96	10,000	11,000	NA	NA	NA	NA	40.73	8.10	32.63	NA	2.2
S-2	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.57	32.16	NA	0.5
S-2	02/20/1997	10,000	500	<10	90	130	6,400	NA	NA	NA	NA	NA	40.73	8.15	32.58	NA	4
S-2	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.79	31.94	NA	1.1
S-2	08/22/1997	23,000	1,300	65	740	290	4,500	NA	NA	NA	NA	NA	40.73	8.05	32.68	NA	3.2
S-2 (D)	08/22/1997	20,000	1,200	<100	630	250	3,900	NA	NA	NA	NA	NA	40.73	8.05	32.68	NA	3.2
S-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.75	31.98	NA	1.2
S-2	02/20/1998	450	28	1.3	7.4	12	35	NA	NA	NA	NA	NA	40.73	6.34	34.39	NA	0.4
S-2	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.95	32.78	NA	0.8
S-2	08/20/1998	22,000	290	44	420	410	7,300	NA	NA	NA	NA	NA	40.73	7.73	33.00	NA	1.9
S-2	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.47	32.26	NA	NA
S-2	02/16/1999	27,000	200	<200	770	840	5,400	NA	NA	NA	NA	NA	40.73	7.24	33.49	NA	1.4
S-2	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.82	32.91	NA	1.3
S-2	08/24/1999	13,400	196	<25.0	439	113	597	NA	NA	NA	NA	NA	40.73	8.61	32.12	NA	1.2
S-2	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.17	32.56	NA	1.1
S-2	02/02/2000	7,850	176	88.0	134	111	540	NA	NA	NA	NA	NA	40.73	7.57	33.16	NA	1.2
S-2	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.94	32.79	NA	1.3
S-2	08/03/2000	35,000	255	122	842	224	905	726e	NA	NA	NA	NA	40.73	8.07	32.66	NA	1.1
S-2	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	8.13	32.60	NA	1.3
S-2	02/14/2001	13,000	147	<25.0	309	54.4	581	NA	NA	NA	NA	NA	40.73	6.39	34.34	NA	1.4
S-2	05/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	7.21	33.52	NA	1.5
S-2	08/15/2001	15,000	67	4.1	220	33	NA	440	NA	NA	NA	NA	40.73	8.27	32.46	NA	0.6
S-2	12/31/2001	NA	NA	NA	NA	NA	NA	270	NA	NA	NA	NA	40.73	6.07	34.66	NA	0.2
S-2	02/06/2002	15,000	53	2.8	120	31	NA	220	NA	NA	NA	NA	40.73	7.98	32.75	NA	1.8
S-2	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.73	6.70	34.03	NA	0.2
S-2	07/25/2002	9,000	75	4.0	180	24	NA	460	NA	NA	NA	NA	40.63	7.67	32.96	NA	0.9
S-2	11/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.63	7.84	32.79	NA	0.7

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Well ID	Date	TPPH (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 (M/S/L)	Depth to Water (ft.)	GW Elevation (M/S/L)	SPH Thickness (ft.)	DO Reading (ppm)
S-2	01/30/2003	15,000	26	<2.5	92	22	NA	210	NA	NA	NA	NA	40.63	7.29	33.34	NA	15.6
S-2	06/03/2003	17,000	<25	<25	130	<50	NA	290	NA	NA	NA	NA	40.63	7.87	32.76	NA	5.4
S-2	08/08/2003	4,500	<2.5	<2.5	9.4	<5.0	NA	140	NA	NA	NA	NA	40.63	8.18	32.45	NA	16.2
S-2	11/13/2003	10,000	18	<10	47	21	NA	180	NA	NA	NA	NA	40.63	7.98	32.65	NA	19.5
S-2	02/04/2004	5,700	54	<10	54	<20	NA	270	NA	NA	NA	NA	40.63	7.21	33.42	NA	>15
S-2	05/12/2004	8,200	18	<10	<10	<20	NA	250	NA	NA	NA	NA	40.63	8.07	32.56	NA	3.1
S-2	08/23/2004	4,100	<10	<10	<10	<20	NA	84	<40	<40	<40	<100	40.63	8.52	32.11	NA	10.7
S-2	12/01/2004	2,000	3.4	<2.5	6.2	<5.0	NA	77	NA	NA	NA	NA	40.63	8.70	31.93	NA	11.8
S-2	02/07/2005	7,400	32	1.6	29	3.1	NA	210	NA	NA	NA	NA	40.63	7.58	33.05	NA	0.11
S-2	05/02/2005	8,100	84	4.9	83	5.5	NA	320	NA	NA	NA	NA	40.63	7.45	33.18	NA	0.6
S-2	08/04/2005	4,900	48	2.1	19	2.8	NA	330	<4.0	<4.0	<4.0	55	40.63	7.90	32.73	NA	0.4
S-2	11/16/2005	13,700	43.8	2.79	25.1	5.92	NA	156	NA	NA	NA	NA	40.63	8.33	32.30	NA	0.5

S-3	05/13/1991	3,300	30	3.6	26	13	NA	NA	NA	NA	NA	NA	41.46	7.90	33.56	NA	NA
S-3	08/23/1991	2,000	25	4	9.3	4.5	NA	NA	NA	NA	NA	NA	41.46	8.14	33.32	NA	NA
S-3	11/07/1991	4,000	20	3.9	5	4.9	NA	NA	NA	NA	NA	NA	41.46	7.91	33.55	NA	NA
S-3	01/28/1992	2,100	21	7.6	6.7	15	NA	NA	NA	NA	NA	NA	41.46	7.53	33.93	NA	NA
S-3 (D)	01/28/1992	2,100	18	6.1	7.1	14	NA	NA	NA	NA	NA	NA	41.46	7.53	33.93	NA	NA
S-3	05/06/1992	6,600	38	5.1	45	65	NA	NA	NA	NA	NA	NA	41.46	7.55	33.91	NA	NA
S-3	08/26/1992	5,800	18	12	29	60	NA	NA	NA	NA	NA	NA	41.46	7.53	33.93	NA	NA
S-3	10/28/1992	3,000	55	11	16	32	NA	NA	NA	NA	NA	NA	41.46	7.95	33.51	NA	NA
S-3	01/19/1993	3,100	<5	5.1	11	16	NA	NA	NA	NA	NA	NA	41.46	6.12	35.34	NA	NA
S-3	04/29/1993	3,000	31	22	<5	14	NA	NA	NA	NA	NA	NA	41.46	7.27	34.19	NA	NA
S-3	07/22/1993	2,600	3.1	43	23	53	NA	NA	NA	NA	NA	NA	41.46	7.62	33.84	NA	NA
S-3	10/21/1993	2,500	73	14	16	32	NA	NA	NA	NA	NA	NA	41.46	7.81	33.65	NA	NA
S-3	01/04/1994	4,800	13	21	<12.5	33	NA	NA	NA	NA	NA	NA	41.46	7.49	33.97	NA	NA
S-3	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.32	34.14	NA	NA
S-3	07/25/1994	2,600	6.1	4	3.8	12	NA	NA	NA	NA	NA	NA	41.46	7.66	33.80	NA	NA

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S-3	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.49	33.97	NA	NA
S-3	01/26/1995	3,600	30	6.8	5.6	19	NA	NA	NA	NA	NA	NA	41.46	6.50	34.96	NA	NA
S-3 (D)	01/26/1995	2,200	9.9	15	14	22	NA	NA	NA	NA	NA	NA	41.46	6.50	34.96	NA	NA
S-3	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.79	34.67	NA	NA
S-3	07/28/1995	3,700	27	9.3	20	34	NA	NA	NA	NA	NA	NA	41.46	7.28	34.18	NA	4
S-3	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.74	34.72	NA	NA
S-3	01/10/1996	4,000	10	<0.5	13	28	NA	NA	NA	NA	NA	NA	41.46	7.48	33.98	NA	6.1
S-3	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.90	34.56	NA	NA
S-3	07/23/1996	2,100	20	<0.5	<0.5	<0.5	<25	NA	NA	NA	NA	NA	41.46	7.04	34.42	NA	2.1
S-3	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.96	33.50	NA	0.7
S-3	02/20/1997	3,500	83	<5.0	18	16	130	NA	NA	NA	NA	NA	41.46	7.44	34.02	NA	3
S-3 (D)	02/20/1997	3,000	69	<5.0	14	12	70	NA	NA	NA	NA	NA	41.46	7.44	34.02	NA	3
S-3	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.13	34.33	NA	0.6
S-3	08/22/1997	4,700	60	12	19	21	40	NA	NA	NA	NA	NA	41.46	6.81	34.65	NA	2.9
S-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.40	34.06	NA	0.9
S-3	02/20/1998	3,400	<10	<10	14	18	85	NA	NA	NA	NA	NA	41.46	6.55	34.91	NA	0.8
S-3 (D)	02/20/1998	3,100	8.6	7.8	12	16	57	NA	NA	NA	NA	NA	41.46	6.55	34.91	NA	0.8
S-3	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.81	34.65	NA	0.7
S-3	08/20/1998	4,400	67	23	9.8	22	240	NA	NA	NA	NA	NA	41.46	6.98	34.48	NA	2.2
S-3	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.96	34.50	NA	NA
S-3	02/16/1999	2,000	6.9	6.2	3.7	4.8	47	NA	NA	NA	NA	NA	41.46	6.93	34.53	NA	2.0
S-3	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.74	34.72	NA	1.8
S-3	08/24/1999	4,170	54.8	14.2	6.65	13.7	43.4	NA	NA	NA	NA	NA	41.46	9.05	32.41	NA	1.9
S-3	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.09	34.37	NA	1.6
S-3	02/02/2000	2,410	133	112	24.9	104	46.0	NA	NA	NA	NA	NA	41.46	6.59	34.87	NA	1.9
S-3	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	7.13	34.33	NA	1.9
S-3	08/03/2000	3,890	17.2	21.9	<10.0	<10.0	166	NA	NA	NA	NA	NA	41.46	6.82	34.64	NA	1.8
S-3	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.98	34.48	NA	1.6

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S-3	02/14/2001	2,800	35.8	5.57	3.83	2.94	1,070	1,250	NA	NA	NA	NA	41.46	6.57	34.89	NA	1.1
S-3	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.46	6.72	34.74	NA	1.6
S-3	08/15/2001	2,700	2.0	0.52	<0.50	2.0	NA	140	NA	NA	NA	NA	41.46	7.44	34.02	NA	0.6
S-3	12/31/2001	2,300	<2.0	<2.0	<2.0	<2.0	NA	470	NA	NA	NA	NA	41.46	6.62	34.84	NA	0.6
S-3	02/06/2002	2,000	2.6	1.6	4.3	7.8	NA	170	NA	NA	NA	NA	41.46	7.22	34.24	NA	2.2
S-3	06/04/2002	2,400	1.0	1.1	0.54	4.5	NA	120	NA	NA	NA	NA	41.46	7.34	34.12	NA	0.5
S-3	07/25/2002	3,100	0.86	<0.50	<0.50	2.0	NA	92	NA	NA	NA	NA	41.37	6.98	34.39	NA	1.0
S-3	11/27/2002	2,600	2.0	0.55	<0.50	2.1	NA	44	NA	NA	NA	NA	41.37	7.62	33.75	NA	0.7
S-3	01/30/2003	1,200	2.1	1.3	1.6	3.4	NA	42	NA	NA	NA	NA	41.37	7.14	34.23	NA	13.6
S-3	06/03/2003	2,700	2.9	<0.50	0.50	2.8	NA	43	NA	NA	NA	NA	41.37	7.25	34.12	NA	1.7
S-3	08/08/2003	1,400	2.4	0.71	<0.50	2.2	NA	32	NA	NA	NA	NA	41.37	7.67	33.70	NA	>20
S-3	11/13/2003	5,200	5.1	2.4	<1.0	5.6	NA	69	NA	NA	NA	NA	41.37	7.56	33.81	NA	19.6
S-3	02/04/2004	2,800	1.9	<1.0	1.0	2.6	NA	20	NA	NA	NA	NA	41.37	7.12	34.25	NA	>15
S-3	05/12/2004	1,900	2.8	<1.0	<1.0	2.2	NA	9.7	NA	NA	NA	NA	41.37	7.94	33.43	NA	4.0
S-3	08/23/2004	1,400	7.6	1.1	<1.0	2.9	NA	13	<4.0	<4.0	<4.0	<10	41.37	8.09	33.28	NA	13.3
S-3	12/01/2004	950	1.9	<1.0	<1.0	<2.0	NA	5.6	NA	NA	NA	NA	41.37	8.21	33.16	NA	13.0
S-3	02/07/2005	1,800	1.4	<1.0	<1.0	2.1	NA	9.9	NA	NA	NA	NA	41.37	7.69	33.68	NA	0.25
S-3	05/02/2005	4,000	2.3	1.1	1.6	3.0	NA	9.9	NA	NA	NA	NA	41.37	7.20	34.17	NA	0.5
S-3	08/04/2005	3,600	2.1	<1.0	<2.0	3.6	NA	8.5	<4.0	<4.0	<4.0	33	41.37	8.14	33.23	NA	0.2
S-3	11/16/2005	6,000	2.24	0.800	0.660	3.35	NA	3.83	NA	NA	NA	NA	41.37	8.39	32.98	NA	0.6
S-4	05/13/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.44	33.66	NA	NA
S-4	08/23/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.32	32.78	NA	NA
S-4	11/07/1991	260	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.32	32.78	NA	NA
S-4	01/28/1992	110c	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.40	33.70	NA	NA
S-4	05/06/1992	54	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.21	33.89	NA	NA
S-4	08/26/1992	67	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.13	32.97	NA	NA
S-4	10/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.73	32.37	NA	NA

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S-4	01/19/1993	86	1.2	0.7	2.7	15	NA	NA	NA	NA	NA	NA	41.10	5.86	35.24	NA	NA
S-4	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.02	34.08	NA	NA
S-4 (D)	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.02	34.08	NA	NA
S-4	07/22/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.76	33.34	NA	NA
S-4	10/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	8.53	32.57	NA	NA
S-4	01/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	7.92	33.18	NA	NA
S-4	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.71	33.39	NA	NA
S-4	07/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.82	33.28	NA	NA
S-4	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	8.15	32.95	NA	NA
S-4	01/26/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	41.10	5.73	35.37	NA	NA
S-4	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	6.26	34.84	NA	NA
S-4	07/28/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.80	33.30	NA	NA
S-4	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	8.45	32.65	NA	NA
S-4	01/10/1996	<50	1	2.8	<0.5	2.1	NA	NA	NA	NA	NA	NA	41.10	8.26	32.84	NA	2.8
S-4	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.14	33.96	NA	NA
S-4	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	41.10	8.18	32.92	NA	3.8
S-4	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.04	34.06	NA	3.9
S-4	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	6.7	NA	NA	NA	NA	NA	41.10	7.07	34.03	NA	5
S-4	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	6.63	34.47	NA	0.8
S-4	08/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.69	33.41	NA	3.7
S-4	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	8.26	32.84	NA	1.3
S-4	02/20/1998	130	6.9	4.6	5.2	17	2.8	NA	NA	NA	NA	NA	41.10	5.57	35.53	NA	1.8
S-4	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.13	33.97	NA	1.4
S-4	08/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.77	33.33	NA	4.0
S-4	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.85	33.25	NA	NA
S-4	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	23	NA	NA	NA	NA	NA	41.10	6.51	34.59	NA	3.6
S-4	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.00	34.10	NA	3.2
S-4	08/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	9.13	31.97	NA	1.9



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Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-4	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.79	33.31	NA	1.7
S-4	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	41.10	7.19	33.91	NA	1.9
S-4	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.51	33.59	NA	1.8
S-4	08/03/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.83	33.27	NA	1.9
S-4	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.69	33.41	NA	1.5
S-4	02/14/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	41.10	6.20	34.90	NA	1.6
S-4	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	6.56	34.54	NA	1.6
S-4	08/15/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.90	33.20	NA	0.6
S-4	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	5.62	35.48	NA	2.7
S-4	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	41.10	7.29	33.81	NA	0.2
S-4	06/04/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.10	7.45	33.65	NA	0.6
S-4	07/25/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.39	33.65	NA	0.8
S-4	11/27/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.60	33.44	NA	NA
S-4	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	41.04	8.45	32.59	NA	NA
S-4	06/03/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	6.82	34.22	NA	NA
S-4	08/08/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.36	33.68	NA	NA
S-4	11/13/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.56	33.48	NA	NA
S-4	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	41.04	6.47	34.57	NA	NA
S-4	05/12/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.10	33.94	NA	NA
S-4	08/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.60	33.44	NA	NA
S-4	12/01/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.23	33.81	NA	NA
S-4	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	41.04	6.12	34.92	NA	NA
S-4	05/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	6.50	34.54	NA	NA
S-4	08/04/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.13	33.91	NA	NA
S-4	11/16/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.04	7.43	33.61	NA	NA
S-5	05/13/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.60	30.57	6.48	NA
S-5	08/23/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	15.14	29.25	5.50	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
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**Albany, CA**

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	15.10	29.17	5.35	NA
S-5	01/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.05	29.86	4.90	NA
S-5	05/06/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.31	30.21	5.66	NA
S-5	08/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.26	28.77	3.80	NA
S-5	10/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	14.22	28.82	3.81	NA
S-5	01/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	12.36	30.80	3.96	NA
S-5	04/29/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.64	31.07	0.90	NA
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.55	31.16	0.90	NA
S-5	10/21/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	11.23	29.34	0.73	NA
S-5	01/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	11.69	29.82	1.90	NA
S-5	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	11.42	29.87	1.62	NA
S-5	07/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	12.01	29.41	1.79	NA
S-5	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	12.05	29.38	1.80	NA
S-5	01/26/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	8.42	32.95	1.72	NA
S-5	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.03	30.90	1.17	NA
S-5	07/28/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	11.42	30.07	1.87	NA
S-5	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	13.21	27.21	0.54	NA
S-5	01/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	12.05	28.04	0.13	NA
S-5	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.68	30.33	0.03	NA
S-5	07/23/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.82	30.20	0.04	NA
S-5	12/10/1996	270,000	8,800	29,000	5,200	37,000	<2,500	NA	NA	NA	NA	NA	39.99	9.10	30.91	0.03	NA
S-5 (D)	12/10/1996	400,000	9,200	32,000	7,200	50,000	<2,500	NA	NA	NA	NA	NA	39.99	9.10	30.91	0.03	NA
S-5	02/20/1997	88,000	2,000	11,000	1,600	19,000	<500	NA	NA	NA	NA	NA	39.99	8.93	31.06	NA	5
S-5	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.07	29.94	0.02	NA
S-5	08/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.24	29.77	0.02	NA
S-5	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.91	29.10	0.02	NA
S-5	02/20/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	7.81	32.20	0.03	NA
S-5	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	9.64	30.37	0.02	NA

**WELL CONCENTRATIONS**  
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Well ID	Date	TPPH (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 (M/S/L)	Depth to Water (ft.)	GW Elevation (M/S/L)	SPH Thickness (ft.)	DO Reading (ppm)	
S-5	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.99	10.13	29.86	NA	NA
S-6	05/13/1991	13,000	600	140	210	310	NA	NA	NA	NA	NA	NA	40.12	7.82	32.30	NA	NA	
S-6	08/23/1991	9,800	480	80	120	150	NA	NA	NA	NA	NA	NA	40.12	9.58	30.54	NA	NA	
S-6	11/07/1991	6,200	240	23	25	27	NA	NA	NA	NA	NA	NA	40.12	10.86	29.26	NA	NA	
S-6	01/28/1992	5,600	250	15	41	36	NA	NA	NA	NA	NA	NA	40.12	8.97	31.15	NA	NA	
S-6	05/06/1992	7,100	330	29	110	210	NA	NA	NA	NA	NA	NA	40.12	8.27	31.85	NA	NA	
S-6	08/26/1992	13,000	240	<50	56	780	NA	NA	NA	NA	NA	NA	40.12	9.57	31.55	NA	NA	
S-6	10/28/1992	10,000	470	210	67	170	NA	NA	NA	NA	NA	NA	40.12	8.90	32.22	NA	NA	
S-6	01/19/1993	4,800	100	26	27	45	NA	NA	NA	NA	NA	NA	40.12	4.84	35.28	NA	NA	
S-6	04/29/1993	7,000	430	20	<12.5	42	NA	NA	NA	NA	NA	NA	40.12	5.61	34.51	NA	NA	
S-6	07/22/1993	5,800	260	120	65	150	NA	NA	NA	NA	NA	NA	40.12	6.56	33.56	NA	NA	
S-6	10/21/1993	5,500	270	69	120	140	NA	NA	NA	NA	NA	NA	40.12	8.73	31.39	NA	NA	
S-6	01/04/1994	7,100	180	58	63	62	NA	NA	NA	NA	NA	NA	40.12	7.14	32.98	NA	NA	
S-6	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	7.21	32.91	NA	NA	
S-6	07/25/1994	12,000	190	52	30	39	NA	NA	NA	NA	NA	NA	40.12	6.85	33.27	NA	NA	
S-6(D)	07/25/1994	7,200	170	32	31	34	NA	NA	NA	NA	NA	NA	40.12	6.85	33.27	NA	NA	
S-6	10/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.20	33.92	NA	NA	
S-6	01/26/1995	5,800	120	23	24	44	NA	NA	NA	NA	NA	NA	40.12	4.89	35.23	NA	NA	
S-6	04/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.61	34.51	NA	NA	
S-6	07/28/1995	4,400	210	23	34	60	NA	NA	NA	NA	NA	NA	40.12	5.30	34.82	NA	3	
S-6(D)	07/28/1995	6,100	230	20	38	59	NA	NA	NA	NA	NA	NA	40.12	5.30	34.82	NA	3	
S-6	10/31/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	4.98	35.14	NA	NA	
S-6	01/10/1996	6,800	170	87	35	105	NA	NA	NA	NA	NA	NA	40.12	5.67	34.45	NA	2.2	
S-6(D)	01/10/1996	7,800	230	120	50	210	NA	NA	NA	NA	NA	NA	40.12	5.67	34.45	NA	2.2	
S-6	04/25/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.23	34.89	NA	NA	
S-6	07/23/1996	2,600	170	<0.5	<0.5	8.5	<25	NA	NA	NA	NA	NA	40.12	5.40	34.72	NA	1.4	
S-6	12/10/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.68	33.44	NA	0.7	

**WELL CONCENTRATIONS**  
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Well ID	Date	TPPH (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 (MSSL)	Depth to Water (ft.)	GW Elevation (MSSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-6	02/20/1997	6,300	160	7.7	14	31	77	NA	NA	NA	NA	NA	40.12	5.70	34.42	NA	2
S-6	05/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.49	34.63	NA	0.9
S-6	08/22/1997	6,200	160	26	15	27	49	NA	NA	NA	NA	NA	40.12	5.71	34.41	NA	2.8
S-6	11/03/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.15	33.97	NA	1.4
S-6	02/20/1998	4,100	150	<10	<10	15	55	NA	NA	NA	NA	NA	40.12	5.25	34.87	NA	0.4
S-6	05/18/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.69	34.43	NA	0.4
S-6	08/20/1998	7,800	240	38	16	39	110	NA	NA	NA	NA	NA	40.12	6.04	34.08	NA	1.5
S-6(D) b	08/20/1998	8,400	270	30	19	31	130	NA	NA	NA	NA	NA	40.12	6.04	34.08	NA	1.5
S-6	11/06/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.10	34.02	NA	NA
S-6	02/16/1999	6,000	190	19	14	20	<2.5	NA	NA	NA	NA	NA	40.12	5.84	34.28	NA	1.7
S-6	05/28/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	9.51	30.61	NA	1.9
S-6	08/24/1999	6,870	193	32.1	18.8	36.4	<25.0	NA	NA	NA	NA	NA	40.12	8.29	31.83	NA	2.7
S-6	11/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.93	34.19	NA	2.6
S-6	02/02/2000	2,310	164	122	28.6	133	63.1	NA	NA	NA	NA	NA	40.12	5.33	34.79	NA	2.6
S-6	05/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	6.41	33.71	NA	2.4
S-6	08/03/2000	5,600	188	27.4	<10.0	25.2	174	NA	NA	NA	NA	NA	40.12	5.84	34.28	NA	2.7
S-6	11/15/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.58	34.54	NA	2.3
S-6	02/14/2001	6,140	126	13.2	8.01	18.0	205	NA	NA	NA	NA	NA	40.12	5.50	34.62	NA	1.3
S-6	05/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.12	5.52	34.60	NA	1.2
S-6	08/15/2001	6,000	160	9.1	5.8	24	51	NA	NA	NA	NA	NA	40.12	6.04	34.08	NA	0.4
S-6	12/31/2001	6,900	120	12	6.6	24	44	NA	NA	NA	NA	NA	40.12	5.52	34.60	NA	0.4
S-6	02/06/2002	4,300	110	7.3	4.8	18	39	NA	NA	NA	NA	NA	40.12	6.34	33.78	NA	0.5
S-6	06/04/2002	4,300	140	8.4	4.9	22	26	NA	NA	NA	NA	NA	40.12	6.19	33.93	NA	0.4
S-6	07/25/2002	3,900	140	9.0	5.5	23	31	NA	NA	NA	NA	NA	39.92	6.05	33.87	NA	0.7
S-6	11/27/2002	5,200	160	9.6	4.9	24	26	NA	NA	NA	NA	NA	39.92	6.26	33.66	NA	NA
S-6	01/30/2003	4,700	200	9.6	5.5	25	30	NA	NA	NA	NA	NA	39.92	5.73	34.19	NA	NA
S-6	06/03/2003	3,900	160	10	<10	25	30	NA	NA	NA	NA	NA	39.92	5.52	34.40	NA	NA
S-6	08/08/2003	2,900	150	8.8	3.6	18	18	NA	NA	NA	NA	NA	39.92	6.14	33.78	NA	NA

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S-6	11/13/2003	8,300	220	19	11	35	NA	28	NA	NA	NA	NA	39.92	5.85	34.07	NA	NA
S-6	02/04/2004	7,400	310	17	10	31	NA	30	NA	NA	NA	NA	39.92	5.51	34.41	NA	NA
S-6	05/12/2004	4,000	230	10	5.5	24	NA	21	NA	NA	NA	NA	39.92	6.10	33.82	NA	NA
S-6	08/23/2004	6,000	260	16	9.0	32	NA	19	NA	NA	NA	NA	39.92	6.38	33.54	NA	NA
S-6	12/01/2004	9,600	280	23	11	47	NA	24	NA	NA	NA	NA	39.92	6.41	33.51	NA	NA
S-6	02/07/2005	7,100	300	14	8.4	35	NA	21	NA	NA	NA	NA	39.92	5.94	33.98	NA	NA
S-6	05/02/2005	6,100	250	12	8.1	30	NA	16	NA	NA	NA	NA	39.92	5.90	34.02	NA	NA
S-6	08/04/2005	5,200	180	13	8.0	31	NA	15	NA	NA	NA	NA	39.92	6.67	33.25	NA	NA
S-6	11/16/2005	9,950	147	15.3	9.82	32.3	NA	10.8	NA	NA	NA	NA	39.92	6.64	33.28	NA	NA

S-7	05/13/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.56	29.54	NA	NA
S-7	08/23/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.16	28.94	NA	NA
S-7	11/07/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.48	28.62	NA	NA
S-7	01/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.72	29.38	NA	NA
S-7	05/06/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.34	29.76	NA	NA
S-7	08/26/1992	160	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.13	28.97	NA	NA
S-7	10/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.52	28.58	NA	NA
S-7	01/19/1993	50	1.1	0.6	1.9	9.2	NA	NA	NA	NA	NA	NA	40.10	8.68	31.42	NA	NA
S-7	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	9.90	30.20	NA	NA
S-7	07/22/1993	Well Inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	10/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	11.10	29.00	NA	NA
S-7	01/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.40	29.70	NA	NA
S-7	04/13/1994	<50	1.4	0.61	<0.5	0.64	NA	NA	NA	NA	NA	NA	40.10	10.20	29.90	NA	NA
S-7 (D)	04/13/1994	<50	1.4	0.61	<0.5	0.66	NA	NA	NA	NA	NA	NA	40.10	10.20	29.90	NA	NA
S-7	07/25/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.48	29.62	NA	NA
S-7 a	10/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.64	29.46	NA	NA
S-7	01/26/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	7.75	32.35	NA	4.6
S-7	04/21/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	8.51	31.59	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**999 San Pablo Avenue**  
**Albany, CA**

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	07/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.20	29.90	NA	3
S-7	10/31/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	40.10	10.86	29.24	NA	4.9
S-7	01/10/1996	<50	<0.5	2	<0.5	2.6	NA	NA	NA	NA	NA	NA	40.10	10.33	29.77	NA	7.6
S-7	04/25/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	40.10	9.13	30.97	NA	6.2
S-7	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	14	NA	NA	NA	NA	NA	40.10	10.18	29.92	NA	3.7
S-7	12/10/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	40.10	9.04	31.06	NA	4.6
S-7	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	40.10	9.60	30.50	NA	5
S-7	05/22/1997	<50	1.3	<0.50	<0.50	<0.50	5.5	NA	NA	NA	NA	NA	40.10	10.63	29.47	NA	0.8
S-7	08/22/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	40.10	10.95	29.15	NA	2.6
S-7	11/03/1997	<50	2.2	1.7	0.58	3.4	<2.5	NA	NA	NA	NA	NA	40.10	11.29	28.81	NA	2.6
S-7	02/20/1998	350	23	13	14	42	3.8	NA	NA	NA	NA	NA	40.10	7.73	32.37	NA	4.6
S-7	05/18/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	40.10	10.29	29.81	NA	4.4
S-7	08/20/1998	Well Inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.10	11.00	29.10	NA	5.4
S-7	11/06/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	40.10	11.19	28.91	NA	5.2
S-7	02/16/1999	Well Inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	05/28/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	40.10	9.76	30.34	NA	2.7
S-7	08/24/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	40.10	10.61	29.49	NA	2.1
S-7	11/16/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.68	NA	NA	NA	NA	NA	40.10	10.90	29.20	NA	2.3
S-7	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	40.10	10.30	29.80	NA	2.1
S-7	05/09/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	40.10	10.25	29.85	NA	2.7
S-7	08/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	40.10	10.65	29.45	NA	2.5
S-7	11/15/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	40.10	10.53	29.57	NA	4.6
S-7	02/14/2001	Well Inaccessible	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	05/31/2001	<50	<0.50	<0.50	<0.50	0.77	NA	4.6	NA	NA	NA	NA	40.10	9.46	30.64	NA	2.1
S-7	08/15/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	40.10	10.93	29.17	NA	2.0
S-7	12/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	6.0	NA	NA	NA	NA	40.10	9.14	30.96	NA	3.0
S-7	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	40.10	8.61	31.49	NA	3.2
S-7	06/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	40.10	10.41	29.69	NA	0.9

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**999 San Pablo Avenue**  
**Albany, CA**

Well ID	Date	TPPH (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 (M/S/L)	Depth to Water (ft.)	GW Elevation (M/S/L)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	39.91	10.37	29.54	NA	1.1
S-7	11/27/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	39.91	10.52	29.39	NA	NA
S-7	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	39.91	9.38	30.53	NA	NA
S-7	06/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	0.72	NA	NA	NA	NA	39.91	10.18	29.73	NA	NA
S-7	08/08/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.91	10.43	29.48	NA	NA
S-7	11/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.91	10.39	29.52	NA	NA
S-7	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.91	9.17	30.74	NA	NA
S-7	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.91	10.20	29.71	NA	NA
S-7	08/23/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72 f	10.53	29.19	NA	NA
S-7	12/01/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	10.36	29.36	NA	NA
S-7	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	8.78	30.94	NA	NA
S-7	05/02/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	9.46	30.26	NA	NA
S-7	08/04/2005	Well paved over	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	11/16/2005	Well paved over	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

S-8	05/10/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.52	10.85	29.67	NA	NA
S-8	05/12/2004	<1,300	<13	<13	<13	<25	NA	2,500	NA	NA	NA	NA	40.52	10.95	29.57	NA	NA
S-8	08/23/2004	1,300	15	<13	<13	<25	NA	2,500	<50	<50	<50	570	40.52	11.40	29.12	NA	NA
S-8	12/01/2004	1,400 h	<13	<13	<13	<25	NA	2,700	NA	NA	NA	NA	40.52	11.10	29.42	NA	NA
S-8	02/07/2005	6,400	240	27	290	100	NA	370	NA	NA	NA	NA	40.52	10.22	30.30	NA	NA
S-8	05/02/2005	6,300	160	25	200	74	NA	190	NA	NA	NA	NA	40.52	10.05	30.47	NA	NA
S-8	08/04/2005	2,500	130	7.5	<6.0	14	NA	290	<8.0	<8.0	<8.0	92	40.52	10.88	29.64	NA	NA
S-8	11/16/2005	27,700	43.2	4.36	637	1,200	NA	638	NA	NA	NA	NA	40.52	11.28	29.24	NA	NA

S-9	05/10/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.72	10.34	29.38	NA	NA
S-9	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	10.42	29.30	NA	NA
S-9	08/23/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	11.32	28.40	NA	NA
S-9	12/01/2004	Unable to locate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.72	NA	NA	NA	NA

**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**999 San Pablo Avenue**  
**Albany, CA**

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-9	02/07/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	8.74	30.98	NA	NA
S-9	05/02/2005	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	39.72	NA	NA	NA	NA
S-9	08/04/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	39.72	8.79	30.93	NA	NA
S-9	11/16/2005	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	39.72	10.30	29.42	NA	NA

**Abbreviations:**

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 31, 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

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

mg/L = Parts per million

MSL = Mean sea level

ft. = Feet

ppm = Parts per million

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

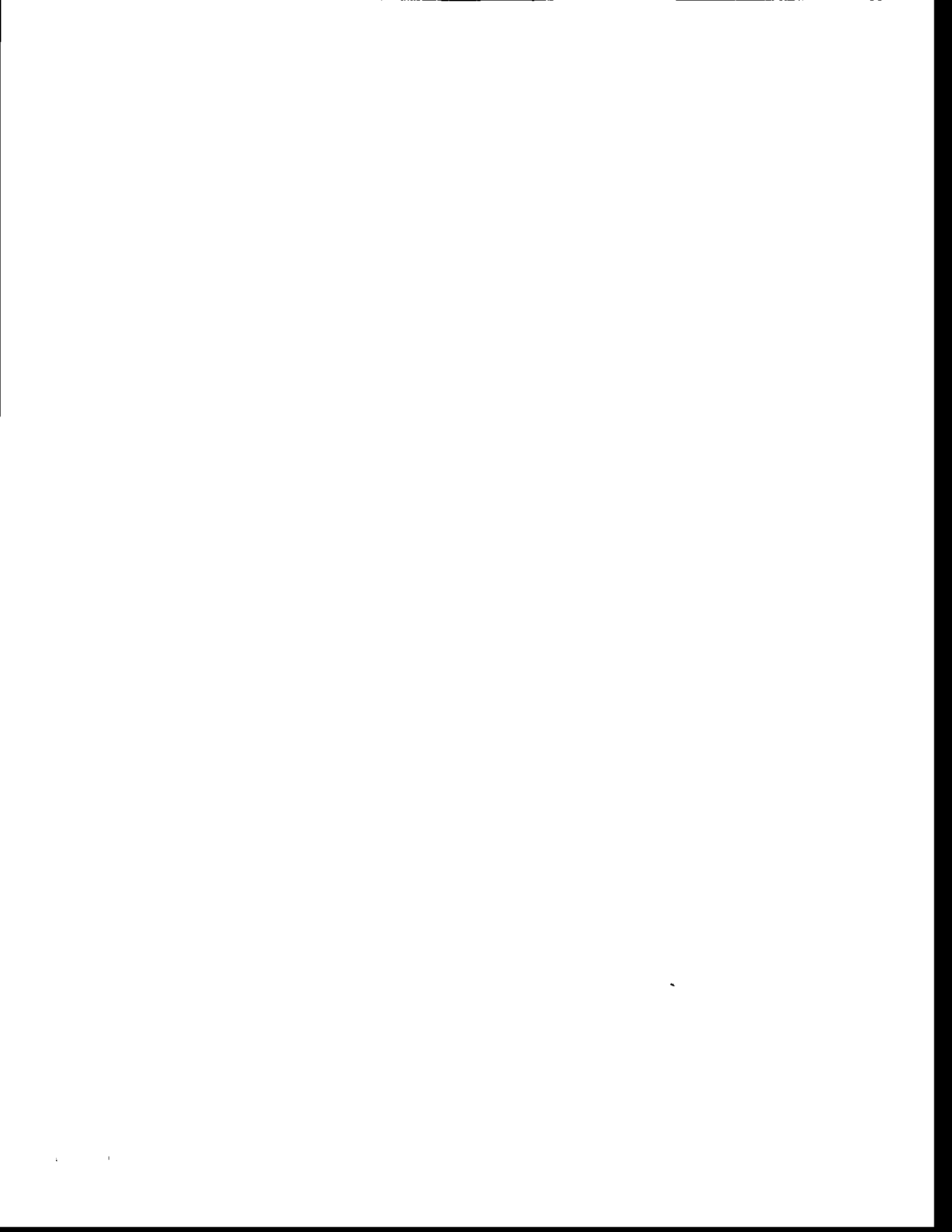


**WELL CONCENTRATIONS**  
**Shell-branded Service Station**  
**999 San Pablo Avenue**  
**Albany, CA**

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)

**Notes:**

- a = Sample analyzed for total dissolved solids (450 mg/L).
  - b = Surrogate recovery outside QC limits due to matrix effect.
  - c = Chromatogram pattern indicated an unidentified hydrocarbon.
  - d = This sample analyzed outside of EPA recommended hold time.
  - e = Concentration is an estimate value above the linear quantitation range.
  - f = Top of casing elevation lowered 0.19 feet on June 22, 2004 due to wellhead maintenance.
  - g = Hydrocarbon reported does not match the laboratory standard.
  - h = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
- When separate-phase hydrocarbons are present, ground water elevation is adjusted using the relation:  
Corrected ground water elevation = Top-of-casing elevation - depth to water + (0.8 x hydrocarbon thickness).  
Ownership of well S-5 is being transferred to Arco.  
Beginning July 25, 2002 depth to waters referenced to Top of Casing.  
Site surveyed January 9, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.  
Wells S-8 and S-9 surveyed May 11, 2004 by Virgil Chavez Land Surveying of Vallejo, CA.



December 06, 2005

Client: Cambria Environmental Tech. Sonoma/ Shell (13674)  
270 Perkins Street  
Sonoma, CA 95476  
Attn: Ana Friel

Work Order: NOK2433  
Project Name: 999 San Pablo Avenue, Albany, CA  
Project Nbr: SAP 135037  
Date Received: 11/18/05

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
S-2	NOK2433-01	11/16/05 11:35
S-3	NOK2433-02	11/16/05 11:25
S-6	NOK2433-03	11/16/05 10:15
S-8	NOK2433-04	11/16/05 11:15
S-9	NOK2433-05	11/16/05 09:40

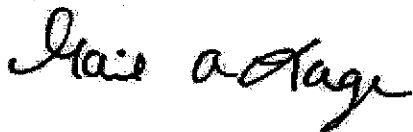
An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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California Certification Number: 01168CA

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Report Approved By:



Gail Lage  
Senior Project Manager

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
 270 Perkins Street  
 Sonoma, CA 95476  
 Attn Ana Friel

Work Order: NOK2433  
 Project Name: 999 San Pablo Avenue, Albany, CA  
 Project Number: SAP 135037  
 Received: 11/18/05 07:55

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOK2433-01 (S-2 - Water) Sampled: 11/16/05 11:35</b>									
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	43.8		ug/L	0.500	1	11/29/05 22:31	SW846 8260B	JJR	5114545
Ethylbenzene	25.1		ug/L	0.500	1	11/29/05 22:31	SW846 8260B	JJR	5114545
Methyl tert-Butyl Ether	156		ug/L	0.500	1	11/29/05 22:31	SW846 8260B	JJR	5114545
Toluene	2.79		ug/L	0.500	1	11/29/05 22:31	SW846 8260B	JJR	5114545
Xylenes, total	5.92		ug/L	0.500	1	11/29/05 22:31	SW846 8260B	JJR	5114545
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	86 %					11/29/05 22:31	SW846 8260B	JJR	5114545
Surrogate: Dibromofluoromethane (79-122%)	104 %					11/29/05 22:31	SW846 8260B	JJR	5114545
Surrogate: Toluene-d8 (78-121%)	101 %					11/29/05 22:31	SW846 8260B	JJR	5114545
Surrogate: 4-Bromofluorobenzene (78-126%)	108 %					11/29/05 22:31	SW846 8260B	JJR	5114545
<b>Purgeable Petroleum Hydrocarbons</b>									
Gasoline Range Organics	13700		ug/L	250	5	11/30/05 21:39	SW846 8260B	JJR	5120130
Surrogate: 1,2-Dichloroethane-d4 (0-200%)	87 %					11/30/05 21:39	SW846 8260B	JJR	5120130
Surrogate: Dibromofluoromethane (0-200%)	99 %					11/30/05 21:39	SW846 8260B	JJR	5120130
Surrogate: Toluene-d8 (0-200%)	109 %					11/30/05 21:39	SW846 8260B	JJR	5120130
Surrogate: 4-Bromofluorobenzene (0-200%)	108 %					11/30/05 21:39	SW846 8260B	JJR	5120130
<b>Sample ID: NOK2433-02 (S-3 - Water) Sampled: 11/16/05 11:25</b>									
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	2.24		ug/L	0.500	1	11/29/05 22:53	SW846 8260B	JJR	5114545
Ethylbenzene	0.660		ug/L	0.500	1	11/29/05 22:53	SW846 8260B	JJR	5114545
Methyl tert-Butyl Ether	3.83		ug/L	0.500	1	11/29/05 22:53	SW846 8260B	JJR	5114545
Toluene	0.800		ug/L	0.500	1	11/29/05 22:53	SW846 8260B	JJR	5114545
Xylenes, total	3.35		ug/L	0.500	1	11/29/05 22:53	SW846 8260B	JJR	5114545
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	85 %					11/29/05 22:53	SW846 8260B	JJR	5114545
Surrogate: Dibromofluoromethane (79-122%)	101 %					11/29/05 22:53	SW846 8260B	JJR	5114545
Surrogate: Toluene-d8 (78-121%)	102 %					11/29/05 22:53	SW846 8260B	JJR	5114545
Surrogate: 4-Bromofluorobenzene (78-126%)	111 %					11/29/05 22:53	SW846 8260B	JJR	5114545
<b>Purgeable Petroleum Hydrocarbons</b>									
Gasoline Range Organics	6000		ug/L	50.0	1	11/29/05 22:53	SW846 8260B	JJR	5114545
Surrogate: 1,2-Dichloroethane-d4 (0-200%)	85 %					11/29/05 22:53	SW846 8260B	JJR	5114545
Surrogate: Dibromofluoromethane (0-200%)	101 %					11/29/05 22:53	SW846 8260B	JJR	5114545
Surrogate: Toluene-d8 (0-200%)	102 %					11/29/05 22:53	SW846 8260B	JJR	5114545
Surrogate: 4-Bromofluorobenzene (0-200%)	111 %					11/29/05 22:53	SW846 8260B	JJR	5114545
<b>Sample ID: NOK2433-03 (S-6 - Water) Sampled: 11/16/05 10:15</b>									
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	147		ug/L	0.500	1	11/29/05 23:15	SW846 8260B	JJR	5114545
Ethylbenzene	9.82		ug/L	0.500	1	11/29/05 23:15	SW846 8260B	JJR	5114545
Methyl tert-Butyl Ether	10.8		ug/L	0.500	1	11/29/05 23:15	SW846 8260B	JJR	5114545
Toluene	15.3		ug/L	0.500	1	11/29/05 23:15	SW846 8260B	JJR	5114545
Xylenes, total	32.3		ug/L	0.500	1	11/29/05 23:15	SW846 8260B	JJR	5114545
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	85 %					11/29/05 23:15	SW846 8260B	JJR	5114545
Surrogate: Dibromofluoromethane (79-122%)	101 %					11/29/05 23:15	SW846 8260B	JJR	5114545
Surrogate: Toluene-d8 (78-121%)	103 %					11/29/05 23:15	SW846 8260B	JJR	5114545

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
 270 Perkins Street  
 Sonoma, CA 95476  
 Attn Ana Friel

Work Order: NOK2433  
 Project Name: 999 San Pablo Avenue, Albany, CA  
 Project Number: SAP 135037  
 Received: 11/18/05 07:55

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOK2433-03 (S-6 - Water) - cont. Sampled: 11/16/05 10:15</b>									
Selected Volatile Organic Compounds by EPA Method 8260B - cont.									
Surrogate: 4-Bromofluorobenzene (78-126%)	110 %					11/29/05 23:15	SW846 8260B	JJR	5114545
<b>Purgeable Petroleum Hydrocarbons</b>									
Gasoline Range Organics	9950		ug/L	50.0	1	11/29/05 23:15	SW846 8260B	JJR	5114545
Surrogate: 1,2-Dichloroethane-d4 (0-200%)	85 %					11/29/05 23:15	SW846 8260B	JJR	5114545
Surrogate: Dibromofluoromethane (0-200%)	101 %					11/29/05 23:15	SW846 8260B	JJR	5114545
Surrogate: Toluene-d8 (0-200%)	103 %					11/29/05 23:15	SW846 8260B	JJR	5114545
Surrogate: 4-Bromofluorobenzene (0-200%)	110 %					11/29/05 23:15	SW846 8260B	JJR	5114545
<b>Sample ID: NOK2433-04 (S-8 - Water) Sampled: 11/16/05 11:15</b>									
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	43.2		ug/L	0.500	1	11/29/05 23:37	SW846 8260B	JJR	5114545
Ethylbenzene	637		ug/L	5.00	10	11/30/05 22:01	SW846 8260B	JJR	5120130
Methyl tert-Butyl Ether	638		ug/L	5.00	10	11/30/05 22:01	SW846 8260B	JJR	5120130
Toluene	4.36		ug/L	0.500	1	11/29/05 23:37	SW846 8260B	JJR	5114545
Xylenes, total	1200		ug/L	5.00	10	11/30/05 22:01	SW846 8260B	JJR	5120130
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	86 %					11/29/05 23:37	SW846 8260B	JJR	5114545
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	88 %					11/30/05 22:01	SW846 8260B	JJR	5120130
Surrogate: Dibromofluoromethane (79-122%)	103 %					11/29/05 23:37	SW846 8260B	JJR	5114545
Surrogate: Dibromofluoromethane (79-122%)	102 %					11/30/05 22:01	SW846 8260B	JJR	5120130
Surrogate: Toluene-d8 (78-121%)	103 %					11/29/05 23:37	SW846 8260B	JJR	5114545
Surrogate: Toluene-d8 (78-121%)	112 %					11/30/05 22:01	SW846 8260B	JJR	5120130
Surrogate: 4-Bromofluorobenzene (78-126%)	107 %					11/29/05 23:37	SW846 8260B	JJR	5114545
Surrogate: 4-Bromofluorobenzene (78-126%)	108 %					11/30/05 22:01	SW846 8260B	JJR	5120130
<b>Purgeable Petroleum Hydrocarbons</b>									
Gasoline Range Organics	27700		ug/L	500	10	11/30/05 22:01	SW846 8260B	JJR	5120130
Surrogate: 1,2-Dichloroethane-d4 (0-200%)	88 %					11/30/05 22:01	SW846 8260B	JJR	5120130
Surrogate: Dibromofluoromethane (0-200%)	102 %					11/30/05 22:01	SW846 8260B	JJR	5120130
Surrogate: Toluene-d8 (0-200%)	112 %					11/30/05 22:01	SW846 8260B	JJR	5120130
Surrogate: 4-Bromofluorobenzene (0-200%)	108 %					11/30/05 22:01	SW846 8260B	JJR	5120130
<b>Sample ID: NOK2433-05 (S-9 - Water) Sampled: 11/16/05 09:40</b>									
Selected Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND		ug/L	0.500	1	11/29/05 23:59	SW846 8260B	JJR	5114545
Ethylbenzene	ND		ug/L	0.500	1	11/30/05 17:37	SW846 8260B	JJR	5120130
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	11/30/05 17:37	SW846 8260B	JJR	5120130
Toluene	ND		ug/L	0.500	1	11/29/05 23:59	SW846 8260B	JJR	5114545
Xylenes, total	ND		ug/L	0.500	1	11/30/05 17:37	SW846 8260B	JJR	5120130
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	83 %					11/29/05 23:59	SW846 8260B	JJR	5114545
Surrogate: 1,2-Dichloroethane-d4 (70-130%)	87 %					11/30/05 17:37	SW846 8260B	JJR	5120130
Surrogate: Dibromofluoromethane (79-122%)	98 %					11/29/05 23:59	SW846 8260B	JJR	5114545
Surrogate: Dibromofluoromethane (79-122%)	100 %					11/30/05 17:37	SW846 8260B	JJR	5120130
Surrogate: Toluene-d8 (78-121%)	101 %					11/29/05 23:59	SW846 8260B	JJR	5114545
Surrogate: Toluene-d8 (78-121%)	103 %					11/30/05 17:37	SW846 8260B	JJR	5120130
Surrogate: 4-Bromofluorobenzene (78-126%)	111 %					11/29/05 23:59	SW846 8260B	JJR	5114545
Surrogate: 4-Bromofluorobenzene (78-126%)	111 %					11/30/05 17:37	SW846 8260B	JJR	5120130

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
 270 Perkins Street  
 Sonoma, CA 95476  
 Attn Ana Friel

Work Order: NOK2433  
 Project Name: 999 San Pablo Avenue, Albany, CA  
 Project Number: SAP 135037  
 Received: 11/18/05 07:55

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
<b>Sample ID: NOK2433-05RE1 (S-9 - Water) - cont. Sampled: 11/16/05 09:40</b>									
<b>Purgeable Petroleum Hydrocarbons</b>									
Gasoline Range Organics	ND		ug/L	50.0	1	11/30/05 17:37	SW846 8260B	JJR	5120130
Surrogate: 1,2-Dichloroethane-d4 (0-200%)	87 %					11/30/05 17:37	SW846 8260B	JJR	5120130
Surrogate: Dibromofluoromethane (0-200%)	100 %					11/30/05 17:37	SW846 8260B	JJR	5120130
Surrogate: Toluene-d8 (0-200%)	103 %					11/30/05 17:37	SW846 8260B	JJR	5120130
Surrogate: 4-Bromofluorobenzene (0-200%)	111 %					11/30/05 17:37	SW846 8260B	JJR	5120130

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
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## PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>						
<b>5114545-BLK1</b>						
Benzene	<0.200		ug/L	5114545	5114545-BLK1	11/29/05 18:29
Ethylbenzene	<0.200		ug/L	5114545	5114545-BLK1	11/29/05 18:29
Methyl tert-Butyl Ether	<0.200		ug/L	5114545	5114545-BLK1	11/29/05 18:29
Toluene	<0.200		ug/L	5114545	5114545-BLK1	11/29/05 18:29
Xylenes, total	<0.350		ug/L	5114545	5114545-BLK1	11/29/05 18:29
Surrogate: 1,2-Dichloroethane-d4	87%			5114545	5114545-BLK1	11/29/05 18:29
Surrogate: Dibromofluoromethane	102%			5114545	5114545-BLK1	11/29/05 18:29
Surrogate: Toluene-d8	113%			5114545	5114545-BLK1	11/29/05 18:29
Surrogate: 4-Bromofluorobenzene	109%			5114545	5114545-BLK1	11/29/05 18:29
<b>5114545-BLK2</b>						
Benzene	<0.200		ug/L	5114545	5114545-BLK2	11/30/05 06:14
Ethylbenzene	<0.200		ug/L	5114545	5114545-BLK2	11/30/05 06:14
Methyl tert-Butyl Ether	<0.200		ug/L	5114545	5114545-BLK2	11/30/05 06:14
Toluene	<0.200		ug/L	5114545	5114545-BLK2	11/30/05 06:14
Xylenes, total	<0.350		ug/L	5114545	5114545-BLK2	11/30/05 06:14
Surrogate: 1,2-Dichloroethane-d4	84%			5114545	5114545-BLK2	11/30/05 06:14
Surrogate: Dibromofluoromethane	98%			5114545	5114545-BLK2	11/30/05 06:14
Surrogate: Toluene-d8	109%			5114545	5114545-BLK2	11/30/05 06:14
Surrogate: 4-Bromofluorobenzene	108%			5114545	5114545-BLK2	11/30/05 06:14
<b>5120130-BLK1</b>						
Benzene	<0.200		ug/L	5120130	5120130-BLK1	11/30/05 17:15
Ethylbenzene	<0.200		ug/L	5120130	5120130-BLK1	11/30/05 17:15
Methyl tert-Butyl Ether	<0.200		ug/L	5120130	5120130-BLK1	11/30/05 17:15
Toluene	<0.200		ug/L	5120130	5120130-BLK1	11/30/05 17:15
Xylenes, total	<0.350		ug/L	5120130	5120130-BLK1	11/30/05 17:15
Surrogate: 1,2-Dichloroethane-d4	87%			5120130	5120130-BLK1	11/30/05 17:15
Surrogate: Dibromofluoromethane	101%			5120130	5120130-BLK1	11/30/05 17:15
Surrogate: Toluene-d8	102%			5120130	5120130-BLK1	11/30/05 17:15
Surrogate: 4-Bromofluorobenzene	110%			5120130	5120130-BLK1	11/30/05 17:15
<b>Purgeable Petroleum Hydrocarbons</b>						
<b>5114545-BLK1</b>						
Gasoline Range Organics	<50.0		ug/L	5114545	5114545-BLK1	11/29/05 18:29
Surrogate: 1,2-Dichloroethane-d4	87%			5114545	5114545-BLK1	11/29/05 18:29
Surrogate: Dibromofluoromethane	102%			5114545	5114545-BLK1	11/29/05 18:29
Surrogate: Toluene-d8	113%			5114545	5114545-BLK1	11/29/05 18:29
Surrogate: 4-Bromofluorobenzene	109%			5114545	5114545-BLK1	11/29/05 18:29
<b>5114545-BLK2</b>						
Gasoline Range Organics	<50.0		ug/L	5114545	5114545-BLK2	11/30/05 06:14

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
 270 Perkins Street  
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 Received: 11/18/05 07:55

**PROJECT QUALITY CONTROL DATA**  
**Blank - Cont.**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Purgeable Petroleum Hydrocarbons</b>						
<b>5114545-BLK2</b>						
Surrogate: 1,2-Dichloroethane-d4	84%			5114545	5114545-BLK2	11/30/05 06:14
Surrogate: Dibromofluoromethane	98%			5114545	5114545-BLK2	11/30/05 06:14
Surrogate: Toluene-d8	109%			5114545	5114545-BLK2	11/30/05 06:14
Surrogate: 4-Bromofluorobenzene	108%			5114545	5114545-BLK2	11/30/05 06:14
<b>5120130-BLK1</b>						
Gasoline Range Organics	<50.0		ug/L	5120130	5120130-BLK1	11/30/05 17:15
Surrogate: 1,2-Dichloroethane-d4	87%			5120130	5120130-BLK1	11/30/05 17:15
Surrogate: Dibromofluoromethane	101%			5120130	5120130-BLK1	11/30/05 17:15
Surrogate: Toluene-d8	102%			5120130	5120130-BLK1	11/30/05 17:15
Surrogate: 4-Bromofluorobenzene	110%			5120130	5120130-BLK1	11/30/05 17:15



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**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>								
<b>5114545-BS1</b>								
Benzene	50.0	47.3		ug/L	95%	79 - 123	5114545	11/29/05 15:55
Ethylbenzene	50.0	47.6		ug/L	95%	79 - 125	5114545	11/29/05 15:55
Methyl tert-Butyl Ether	50.0	42.7		ug/L	85%	66 - 142	5114545	11/29/05 15:55
Toluene	50.0	51.2		ug/L	102%	78 - 122	5114545	11/29/05 15:55
Xylenes, total	150	143		ug/L	95%	79 - 130	5114545	11/29/05 15:55
Surrogate: 1,2-Dichloroethane-d4	50.0	43.4			87%	70 - 130	5114545	11/29/05 15:55
Surrogate: Dibromofluoromethane	50.0	49.2			98%	79 - 122	5114545	11/29/05 15:55
Surrogate: Toluene-d8	50.0	49.9			100%	78 - 121	5114545	11/29/05 15:55
Surrogate: 4-Bromofluorobenzene	50.0	56.1			112%	78 - 126	5114545	11/29/05 15:55
<b>5114545-BS2</b>								
Benzene	50.0	44.6		ug/L	89%	79 - 123	5114545	11/30/05 04:23
Ethylbenzene	50.0	44.2		ug/L	88%	79 - 125	5114545	11/30/05 04:23
Methyl tert-Butyl Ether	50.0	39.2		ug/L	78%	66 - 142	5114545	11/30/05 04:23
Toluene	50.0	44.6		ug/L	89%	78 - 122	5114545	11/30/05 04:23
Xylenes, total	150	135		ug/L	90%	79 - 130	5114545	11/30/05 04:23
Surrogate: 1,2-Dichloroethane-d4	50.0	42.8			86%	70 - 130	5114545	11/30/05 04:23
Surrogate: Dibromofluoromethane	50.0	49.1			98%	79 - 122	5114545	11/30/05 04:23
Surrogate: Toluene-d8	50.0	50.2			100%	78 - 121	5114545	11/30/05 04:23
Surrogate: 4-Bromofluorobenzene	50.0	55.2			110%	78 - 126	5114545	11/30/05 04:23
<b>5120130-BS1</b>								
Benzene	50.0	48.1		ug/L	96%	79 - 123	5120130	11/30/05 15:25
Ethylbenzene	50.0	51.0		ug/L	102%	79 - 125	5120130	11/30/05 15:25
Methyl tert-Butyl Ether	50.0	44.6		ug/L	89%	66 - 142	5120130	11/30/05 15:25
Toluene	50.0	54.2		ug/L	108%	78 - 122	5120130	11/30/05 15:25
Xylenes, total	150	150		ug/L	100%	79 - 130	5120130	11/30/05 15:25
Surrogate: 1,2-Dichloroethane-d4	50.0	44.0			88%	70 - 130	5120130	11/30/05 15:25
Surrogate: Dibromofluoromethane	50.0	47.5			95%	79 - 122	5120130	11/30/05 15:25
Surrogate: Toluene-d8	50.0	51.6			103%	78 - 121	5120130	11/30/05 15:25
Surrogate: 4-Bromofluorobenzene	50.0	56.4			113%	78 - 126	5120130	11/30/05 15:25
<b>Purgeable Petroleum Hydrocarbons</b>								
<b>5114545-BS1</b>								
Gasoline Range Organics	3050	3590		ug/L	118%	67 - 130	5114545	11/29/05 15:55
Surrogate: 1,2-Dichloroethane-d4	50.0	43.4			87%	70 - 130	5114545	11/29/05 15:55
Surrogate: Dibromofluoromethane	50.0	49.2			98%	70 - 130	5114545	11/29/05 15:55
Surrogate: Toluene-d8	50.0	49.9			100%	70 - 130	5114545	11/29/05 15:55
Surrogate: 4-Bromofluorobenzene	50.0	56.1			112%	70 - 130	5114545	11/29/05 15:55
<b>5114545-BS2</b>								
Gasoline Range Organics	3050	3120		ug/L	102%	67 - 130	5114545	11/30/05 04:23

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
 270 Perkins Street  
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Work Order: NOK2433  
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 Project Number: SAP 135037  
 Received: 11/18/05 07:55

**PROJECT QUALITY CONTROL DATA**  
**LCS - Cont.**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Purgeable Petroleum Hydrocarbons</b>								
<b>5114545-BS2</b>								
Surrogate: 1,2-Dichloroethane-d4	50.0	42.8			86%	70 - 130	5114545	11/30/05 04:23
Surrogate: Dibromofluoromethane	50.0	49.1			98%	70 - 130	5114545	11/30/05 04:23
Surrogate: Toluene-d8	50.0	50.2			100%	70 - 130	5114545	11/30/05 04:23
Surrogate: 4-Bromofluorobenzene	50.0	55.2			110%	70 - 130	5114545	11/30/05 04:23
<b>5120130-BS1</b>								
Gasoline Range Organics	3050	3750		ug/L	123%	67 - 130	5120130	11/30/05 15:25
Surrogate: 1,2-Dichloroethane-d4	50.0	44.0			88%	70 - 130	5120130	11/30/05 15:25
Surrogate: Dibromofluoromethane	50.0	47.5			95%	70 - 130	5120130	11/30/05 15:25
Surrogate: Toluene-d8	50.0	51.6			103%	70 - 130	5120130	11/30/05 15:25
Surrogate: 4-Bromofluorobenzene	50.0	56.4			113%	70 - 130	5120130	11/30/05 15:25

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
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**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>										
<b>5114545-MS1</b>										
Benzene	ND	49.3		ug/L	50.0	99%	71 - 137	5114545	NOK2454-07	11/30/05 02:55
Ethylbenzene	ND	49.6		ug/L	50.0	99%	72 - 139	5114545	NOK2454-07	11/30/05 02:55
Methyl tert-Butyl Ether	2.41	46.2		ug/L	50.0	88%	55 - 152	5114545	NOK2454-07	11/30/05 02:55
Toluene	ND	54.3		ug/L	50.0	109%	73 - 133	5114545	NOK2454-07	11/30/05 02:55
Xylenes, total	1.42	149		ug/L	150	98%	70 - 143	5114545	NOK2454-07	11/30/05 02:55
Surrogate: 1,2-Dichloroethane-d4		42.1		ug/L	50.0	84%	70 - 130	5114545	NOK2454-07	11/30/05 02:55
Surrogate: Dibromofluoromethane		48.0		ug/L	50.0	96%	79 - 122	5114545	NOK2454-07	11/30/05 02:55
Surrogate: Toluene-d8		50.5		ug/L	50.0	101%	78 - 121	5114545	NOK2454-07	11/30/05 02:55
Surrogate: 4-Bromofluorobenzene		56.3		ug/L	50.0	113%	78 - 126	5114545	NOK2454-07	11/30/05 02:55
<b>5114545-MS2</b>										
Benzene	ND	47.4		ug/L	50.0	95%	71 - 137	5114545	NOK2470-04	11/30/05 13:57
Ethylbenzene	ND	48.4		ug/L	50.0	97%	72 - 139	5114545	NOK2470-04	11/30/05 13:57
Methyl tert-Butyl Ether	8.49	49.5		ug/L	50.0	82%	55 - 152	5114545	NOK2470-04	11/30/05 13:57
Toluene	ND	48.1		ug/L	50.0	96%	73 - 133	5114545	NOK2470-04	11/30/05 13:57
Xylenes, total	0.540	144		ug/L	150	96%	70 - 143	5114545	NOK2470-04	11/30/05 13:57
Surrogate: 1,2-Dichloroethane-d4		44.4		ug/L	50.0	89%	70 - 130	5114545	NOK2470-04	11/30/05 13:57
Surrogate: Dibromofluoromethane		51.0		ug/L	50.0	102%	79 - 122	5114545	NOK2470-04	11/30/05 13:57
Surrogate: Toluene-d8		51.8		ug/L	50.0	104%	78 - 121	5114545	NOK2470-04	11/30/05 13:57
Surrogate: 4-Bromofluorobenzene		54.7		ug/L	50.0	109%	78 - 126	5114545	NOK2470-04	11/30/05 13:57
<b>5120130-MS1</b>										
Benzene	ND	48.2		ug/L	50.0	96%	71 - 137	5120130	NOK2833-08	12/01/05 01:20
Ethylbenzene	ND	49.6		ug/L	50.0	99%	72 - 139	5120130	NOK2833-08	12/01/05 01:20
Methyl tert-Butyl Ether	ND	43.5		ug/L	50.0	87%	55 - 152	5120130	NOK2833-08	12/01/05 01:20
Toluene	ND	49.6		ug/L	50.0	99%	73 - 133	5120130	NOK2833-08	12/01/05 01:20
Xylenes, total	ND	151		ug/L	150	101%	70 - 143	5120130	NOK2833-08	12/01/05 01:20
Surrogate: 1,2-Dichloroethane-d4		43.2		ug/L	50.0	86%	70 - 130	5120130	NOK2833-08	12/01/05 01:20
Surrogate: Dibromofluoromethane		50.1		ug/L	50.0	100%	79 - 122	5120130	NOK2833-08	12/01/05 01:20
Surrogate: Toluene-d8		50.7		ug/L	50.0	101%	78 - 121	5120130	NOK2833-08	12/01/05 01:20
Surrogate: 4-Bromofluorobenzene		55.3		ug/L	50.0	111%	78 - 126	5120130	NOK2833-08	12/01/05 01:20
<b>Purgeable Petroleum Hydrocarbons</b>										
<b>5114545-MS1</b>										
Gasoline Range Organics	436	3280		ug/L	3050	93%	60 - 140	5114545	NOK2454-07	11/30/05 02:55
Surrogate: 1,2-Dichloroethane-d4		42.1		ug/L	50.0	84%	0 - 200	5114545	NOK2454-07	11/30/05 02:55
Surrogate: Dibromofluoromethane		48.0		ug/L	50.0	96%	0 - 200	5114545	NOK2454-07	11/30/05 02:55
Surrogate: Toluene-d8		50.5		ug/L	50.0	101%	0 - 200	5114545	NOK2454-07	11/30/05 02:55

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
 270 Perkins Street  
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Work Order: NOK2433  
 Project Name: 999 San Pablo Avenue, Albany, CA  
 Project Number: SAP 135037  
 Received: 11/18/05 07:55

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike - Cont.**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Purgeable Petroleum Hydrocarbons</b>										
<b>5114545-MS1</b>										
<i>Surrogate: 4-Bromofluorobenzene</i>		56.3		ug/L	50.0	113%	0 - 200	5114545	NOK2454-07	11/30/05 02:55
<b>5114545-MS2</b>										
Gasoline Range Organics	468	2810		ug/L	3050	77%	60 - 140	5114545	NOK2470-04	11/30/05 13:57
<i>Surrogate: 1,2-Dichloroethane-d4</i>		44.4		ug/L	50.0	89%	0 - 200	5114545	NOK2470-04	11/30/05 13:57
<i>Surrogate: Dibromofluoromethane</i>		51.0		ug/L	50.0	102%	0 - 200	5114545	NOK2470-04	11/30/05 13:57
<i>Surrogate: Toluene-d8</i>		51.8		ug/L	50.0	104%	0 - 200	5114545	NOK2470-04	11/30/05 13:57
<i>Surrogate: 4-Bromofluorobenzene</i>		54.7		ug/L	50.0	109%	0 - 200	5114545	NOK2470-04	11/30/05 13:57
<b>5120130-MS1</b>										
Gasoline Range Organics	455	3130		ug/L	3050	88%	60 - 140	5120130	NOK2833-08	12/01/05 01:20
<i>Surrogate: 1,2-Dichloroethane-d4</i>		43.2		ug/L	50.0	86%	0 - 200	5120130	NOK2833-08	12/01/05 01:20
<i>Surrogate: Dibromofluoromethane</i>		50.1		ug/L	50.0	100%	0 - 200	5120130	NOK2833-08	12/01/05 01:20
<i>Surrogate: Toluene-d8</i>		50.7		ug/L	50.0	101%	0 - 200	5120130	NOK2833-08	12/01/05 01:20
<i>Surrogate: 4-Bromofluorobenzene</i>		55.3		ug/L	50.0	111%	0 - 200	5120130	NOK2833-08	12/01/05 01:20

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
 270 Perkins Street  
 Sonoma, CA 95476  
 Attn Ana Friel

Work Order: NOK2433  
 Project Name: 999 San Pablo Avenue, Albany, CA  
 Project Number: SAP 135037  
 Received: 11/18/05 07:55

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Selected Volatile Organic Compounds by EPA Method 8260B</b>												
<b>5114545-MSD1</b>												
Benzene	ND	50.6		ug/L	50.0	101%	71 - 137	3	23	5114545	NOK2454-07	11/30/05 03:17
Ethylbenzene	ND	51.2		ug/L	50.0	102%	72 - 139	3	23	5114545	NOK2454-07	11/30/05 03:17
Methyl tert-Butyl Ether	2.41	48.2		ug/L	50.0	92%	55 - 152	4	27	5114545	NOK2454-07	11/30/05 03:17
Toluene	ND	51.5		ug/L	50.0	103%	73 - 133	5	25	5114545	NOK2454-07	11/30/05 03:17
Xylenes, total	1.42	152		ug/L	150	100%	70 - 143	2	27	5114545	NOK2454-07	11/30/05 03:17
Surrogate: 1,2-Dichloroethane-d4		40.6		ug/L	50.0	81%	70 - 130			5114545	NOK2454-07	11/30/05 03:17
Surrogate: Dibromofluoromethane		50.5		ug/L	50.0	101%	79 - 122			5114545	NOK2454-07	11/30/05 03:17
Surrogate: Toluene-d8		50.6		ug/L	50.0	101%	78 - 121			5114545	NOK2454-07	11/30/05 03:17
Surrogate: 4-Bromofluorobenzene		53.2		ug/L	50.0	106%	78 - 126			5114545	NOK2454-07	11/30/05 03:17
<b>5114545-MSD2</b>												
Benzene	ND	47.5		ug/L	50.0	95%	71 - 137	0.2	23	5114545	NOK2470-04	11/30/05 14:19
Ethylbenzene	ND	48.2		ug/L	50.0	96%	72 - 139	0.4	23	5114545	NOK2470-04	11/30/05 14:19
Methyl tert-Butyl Ether	8.49	49.5		ug/L	50.0	82%	55 - 152	0	27	5114545	NOK2470-04	11/30/05 14:19
Toluene	ND	52.8		ug/L	50.0	106%	73 - 133	9	25	5114545	NOK2470-04	11/30/05 14:19
Xylenes, total	0.540	146		ug/L	150	97%	70 - 143	1	27	5114545	NOK2470-04	11/30/05 14:19
Surrogate: 1,2-Dichloroethane-d4		44.8		ug/L	50.0	90%	70 - 130			5114545	NOK2470-04	11/30/05 14:19
Surrogate: Dibromofluoromethane		51.5		ug/L	50.0	103%	79 - 122			5114545	NOK2470-04	11/30/05 14:19
Surrogate: Toluene-d8		51.7		ug/L	50.0	103%	78 - 121			5114545	NOK2470-04	11/30/05 14:19
Surrogate: 4-Bromofluorobenzene		54.4		ug/L	50.0	109%	78 - 126			5114545	NOK2470-04	11/30/05 14:19
<b>5120130-MSD1</b>												
Benzene	ND	47.9		ug/L	50.0	96%	71 - 137	0.6	23	5120130	NOK2833-08	12/01/05 01:42
Ethylbenzene	ND	49.9		ug/L	50.0	100%	72 - 139	0.6	23	5120130	NOK2833-08	12/01/05 01:42
Methyl tert-Butyl Ether	ND	43.4		ug/L	50.0	87%	55 - 152	0.2	27	5120130	NOK2833-08	12/01/05 01:42
Toluene	ND	51.9		ug/L	50.0	104%	73 - 133	5	25	5120130	NOK2833-08	12/01/05 01:42
Xylenes, total	ND	150		ug/L	150	100%	70 - 143	0.7	27	5120130	NOK2833-08	12/01/05 01:42
Surrogate: 1,2-Dichloroethane-d4		44.2		ug/L	50.0	88%	70 - 130			5120130	NOK2833-08	12/01/05 01:42
Surrogate: Dibromofluoromethane		50.2		ug/L	50.0	100%	79 - 122			5120130	NOK2833-08	12/01/05 01:42
Surrogate: Toluene-d8		50.8		ug/L	50.0	102%	78 - 121			5120130	NOK2833-08	12/01/05 01:42
Surrogate: 4-Bromofluorobenzene		55.3		ug/L	50.0	111%	78 - 126			5120130	NOK2833-08	12/01/05 01:42
<b>Purgeable Petroleum Hydrocarbons</b>												
<b>5114545-MSD1</b>												
Gasoline Range Organics	436	3240		ug/L	3050	92%	60 - 140	1	40	5114545	NOK2454-07	11/30/05 03:17
Surrogate: 1,2-Dichloroethane-d4		40.6		ug/L	50.0	81%	0 - 200			5114545	NOK2454-07	11/30/05 03:17
Surrogate: Dibromofluoromethane		50.5		ug/L	50.0	101%	0 - 200			5114545	NOK2454-07	11/30/05 03:17
Surrogate: Toluene-d8		50.6		ug/L	50.0	101%	0 - 200			5114545	NOK2454-07	11/30/05 03:17
Surrogate: 4-Bromofluorobenzene		53.2		ug/L	50.0	106%	0 - 200			5114545	NOK2454-07	11/30/05 03:17
<b>5114545-MSD2</b>												
Gasoline Range Organics	468	2920		ug/L	3050	80%	60 - 140	4	40	5114545	NOK2470-04	11/30/05 14:19

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
 270 Perkins Street  
 Sonoma, CA 95476  
 Attn Ana Friel

Work Order: NOK2433  
 Project Name: 999 San Pablo Avenue, Albany, CA  
 Project Number: SAP 135037  
 Received: 11/18/05 07:55

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Purgeable Petroleum Hydrocarbons</b>											
<b>5114545-MSD2</b>											
Surrogate: 1,2-Dichloroethane-d4		44.8		ug/L	50.0	90%	0 - 200		5114545	NOK2470-04	11/30/05 14:19
Surrogate: Dibromofluoromethane		51.5		ug/L	50.0	103%	0 - 200		5114545	NOK2470-04	11/30/05 14:19
Surrogate: Toluene-d8		51.7		ug/L	50.0	103%	0 - 200		5114545	NOK2470-04	11/30/05 14:19
Surrogate: 4-Bromofluorobenzene		54.4		ug/L	50.0	109%	0 - 200		5114545	NOK2470-04	11/30/05 14:19
<b>5120130-MSD1</b>											
Gasoline Range Organics	455	2970		ug/L	3050	82%	60 - 140	5 40	5120130	NOK2833-08	12/01/05 01:42
Surrogate: 1,2-Dichloroethane-d4		44.2		ug/L	50.0	88%	0 - 200		5120130	NOK2833-08	12/01/05 01:42
Surrogate: Dibromofluoromethane		50.2		ug/L	50.0	100%	0 - 200		5120130	NOK2833-08	12/01/05 01:42
Surrogate: Toluene-d8		50.8		ug/L	50.0	102%	0 - 200		5120130	NOK2833-08	12/01/05 01:42
Surrogate: 4-Bromofluorobenzene		55.3		ug/L	50.0	111%	0 - 200		5120130	NOK2833-08	12/01/05 01:42

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
270 Perkins Street  
Sonoma, CA 95476  
Attn Ana Friel

Work Order: NOK2433  
Project Name: 999 San Pablo Avenue, Albany, CA  
Project Number: SAP 135037  
Received: 11/18/05 07:55

### CERTIFICATION SUMMARY

#### TestAmerica Analytical - Nashville

Method	Matrix	AIHA	Nelac	California
NA	Water			
SW846 8260B	Water	N/A	X	X

Client Cambria Environmental Tech. Sonoma/ Shell (13674)  
270 Perkins Street  
Sonoma, CA 95476  
Attn Ana Friel

Work Order: NOK2433  
Project Name: 999 San Pablo Avenue, Albany, CA  
Project Number: SAP 135037  
Received: 11/18/05 07:55

### NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

<u>Method</u>	<u>Matrix</u>	<u>Analyte</u>
SW846 8260B	Water	Gasoline Range Organics





Lab Identification (if necessary):  
 Address: 2880 Foster Creighton Dr.  
 City, State, Zip: Nashville, TN 37204

Lab Identification (if necessary):  
 Address: 2880 Foster Creighton Dr.  
 City, State, Zip: Nashville, TN 37204

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 City, State, Zip: Nashville, TN 37204

Lab Identification (if necessary):  
 Address: 2880 Foster Creighton Dr.  
 City, State, Zip: Nashville, TN 37204

Shell Project Manager to be Invoiced: **Denits Brown**

ENVIRONMENTAL SERVICES  
 TECHNICAL SERVICES  
 IJ CRMT HOUSTON

INCIDENT NUMBER (ES ONLY): 9 8 9 9 5 1 4 3  
 DATE: 11-16-05  
 PAGE: 1 of 1

GLOBAL ID NO.: T0600101277  
 E-MAIL: sonomaed@cambria-env.com  
 CONSULTANT PROJECT NO.: 051116-00-1  
 BTS #

SAP or CRMT NUMBER (TS/CRMT)

SITE ADDRESS (Street, City and State):  
 999 San Pablo Avenue, Albany, CA  
 PHONE NO.: 707-288-3812  
 E-MAIL: sonomaed@cambria-env.com

EDD DELIVERABLE TO (Responsible Party or Designer):  
 Ana Friel  
 SAAMPLER NAMES (Print):  
 Dave Walter

LAB USE ONLY	Field Sample Identification	RECEIPT VERIFICATION REQUESTED <input checked="" type="checkbox"/>		NO. OF CONT.	REQUESTED ANALYSIS										FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes			
		SAMPLING DATE	TIME		MATRIX	TPH - Gas, Purgeable (8260B)	BTEX (8260B)	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)	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT C°
	S-2	11-16	1735	W	3	X	X	X										
	S-3		1035			X	X	X										
	S-6		1115			X	X	X										
	S-8		0920			X	X	X										
	S-9					X	X	X										

RECEIVED BY (Signature): David C. Walk  
 RECEIVED BY (Signature): Same Customer  
 RECEIVED BY (Signature): Same Customer  
 RECEIVED BY (Signature): Same Customer

DATE: 11/17/05  
 TIME: 1730

DATE: 11/17/05  
 TIME: 1025

DATE: 11/17/05  
 TIME: 1138

10/15/00 Revision

**APPENDIX B**  
**Groundwater Monitoring Results - ARCO**



Table 1

Groundwater Elevation and Analytical Data  
 ARCO Service Station #2035  
 1001 San Pablo Ave., Albany, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	4/11/2002	P	41.41	10.73	--	30.68	800	360	<5.0	<5.0	<5.0	<50	--	--	--	
	11/27/2002	P	41.41	10.22	--	31.19	<50	<0.50	<0.50	<0.50	<0.50	1.7	1.1	--	--	
	6/3/2003	--	41.41	9.14	--	32.27	1,700	430	<5.0	24	11	8.6	1.7	--	--	
	11/13/2003	P	43.55	10.17	--	33.38	<50	<0.50	<0.50	<0.50	<0.50	0.95	2.3	SEQM	6.5	a
	05/12/2004	P	43.55	9.28	--	34.27	120	7.2	<0.50	<0.50	<0.50	3.0	1.6	SEQM	6.0	
	12/01/2004	P	43.55	9.16	--	34.39	<50	0.94	<0.50	<0.50	<0.50	1.1	5.2	SEQM	6.6	
	05/02/2005	P	43.55	8.58	--	34.97	1,300	390	<5.0	12	6.4	8.8	2.8	SEQM	6.5	
11/16/2005	P	43.55	9.50	--	34.05	<50	<0.50	<0.50	<0.50	<0.50	0.54	0.92	SEQM	6.4		
MW-2	4/11/2002	P	40.38	11.05	--	29.33	<50	<0.50	<0.50	<0.50	<0.50	24	--	--	--	
	11/27/2002	P	40.38	10.51	--	29.87	<50	<0.50	<0.50	<0.50	<0.50	5.4	2.6	--	--	
	6/3/2003	--	40.38	9.78	--	30.60	<50	<0.50	<0.50	<0.50	<0.50	23	1.7	--	--	
	11/13/2003	P	42.52	10.69	--	31.83	<50	<0.50	<0.50	<0.50	<0.50	9.5	2.3	SEQM	6.5	a
	05/12/2004	P	42.52	10.34	--	32.18	<250	<2.5	<2.5	<2.5	<2.5	27	2.2	SEQM	6.6	
	12/01/2004	P	42.52	10.28	--	32.24	<50	<0.50	<0.50	<0.50	<0.50	17	3.9	SEQM	6.6	
	05/02/2005	P	42.52	9.50	--	33.02	<50	<0.50	<0.50	<0.50	<0.50	25	3.1	SEQM	6.6	
11/16/2005	P	42.52	10.50	--	32.02	<50	<0.50	<0.50	<0.50	<0.50	0.50	7.6	SEQM	6.4		
MW-3	4/11/2002	P	41.44	11.05	--	30.39	250	9.4	<0.50	<0.50	<0.50	120	--	--	--	
	11/27/2002	P	41.44	10.49	--	30.95	<100	<1.0	<1.0	<1.0	2.5	56	2.2	--	--	
	6/3/2003	--	41.44	9.44	--	32.00	130	<0.50	<0.50	<0.50	<0.50	47	4.1	--	--	
	11/13/2003	P	43.62	10.68	--	32.94	53	<0.50	<0.50	<0.50	<0.50	36	3.8	SEQM	6.8	a
	05/12/2004	P	43.62	9.95	--	33.67	65	<0.50	<0.50	<0.50	<0.50	39	4.2	SEQM	6.9	
	12/01/2004	P	43.62	10.32	--	33.30	140	<0.50	<0.50	<0.50	<0.50	37	4.3	SEQM	6.9	
	05/02/2005	P	43.62	9.12	--	34.50	140	<0.50	<0.50	<0.50	<0.50	23	3.1	SEQM	6.7	
11/16/2005	P	43.62	10.58	--	33.04	<50	<0.50	<0.50	<0.50	<0.50	0.50	32	4.1	SEQM	6.5	
MW-4	4/11/2002	NP	40.33	10.81	--	29.52	<50	<0.50	<0.50	<0.50	<0.50	11	--	--	--	
	11/27/2002	NP	40.33	10.09	--	30.24	<50	<0.50	<0.50	<0.50	<0.50	6.5	1.8	--	--	
	6/3/2003	--	40.33	8.62	--	31.71	<250	<2.5	<2.5	<2.5	<2.5	120	1.1	--	--	
	11/13/2003	NP	42.48	9.98	--	32.50	<50	<0.50	<0.50	<0.50	<0.50	20	1.3	SEQM	6.2	a
	05/12/2004	P	42.48	9.48	--	33.00	<250	<2.5	<2.5	<2.5	<2.5	79	2.9	SEQM	6.6	
	12/01/2004	NP	42.48	9.60	--	32.88	<50	<0.50	<0.50	<0.50	<0.50	1.8	1.9	SEQM	6.7	
	05/02/2005	NP	42.48	8.67	--	33.81	<50	<0.50	<0.50	<0.50	<0.50	11	2.8	SEQM	6.6	
11/16/2005	NP	42.48	10.00	--	32.48	<50	<0.50	<0.50	<0.50	<0.50	0.93	1.7	SEQM	6.3		
MW-5	4/11/2002	NP	41.84	10.63	--	31.21	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	

Table 1

**Groundwater Elevation and Analytical Data**  
 ARCO Service Station #2035  
 1001 San Pablo Ave., Albany, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-5	11/27/2002	NP	41.84	10.65	--	31.19	--	--	--	--	--	--	--	--	--	--
	6/3/2003	--	41.84	8.92	--	32.92	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	--	--	--
	11/13/2003	NP	44.03	10.58	--	33.45	<50	<0.50	<0.50	<0.50	<0.50	0.79	1.4	SEQM	5.7	a
	05/12/2004	--	44.03	9.95	--	34.08	--	--	--	--	--	--	--	--	--	--
	12/01/2004	NP	44.03	10.05	--	33.98	<50	<0.50	<0.50	<0.50	<0.50	0.55	1.8	SEQM	6.3	--
	05/02/2005	--	44.03	8.75	--	35.28	--	--	--	--	--	--	--	--	--	--
	11/16/2005	NP	44.03	10.37	--	33.66	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	SEQM	6.2	--
MW-6	4/11/2002	NP	40.13	11.42	--	28.71	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--
	11/27/2002	NP	40.13	13.11	--	27.02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	--	--	--
	6/3/2003	--	40.13	12.48	--	27.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	--	--	--
	11/13/2003	NP	42.26	13.11	--	29.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	SEQM	6.8	a
	05/12/2004	--	42.26	12.68	--	29.58	--	--	--	--	--	--	--	--	--	--
	12/01/2004	NP	42.26	12.68	--	29.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	SEQM	7.3	--
	05/02/2005	--	42.26	12.25	--	30.01	--	--	--	--	--	--	--	--	--	--
	11/16/2005	NP	42.26	12.98	--	29.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	SEQM	6.7	--
RW-1	4/11/2002	P	40.33	9.20	--	31.13	15,000	750	2,000	380	2,000	1,500	--	--	--	--
	11/27/2002	P	40.33	10.31	--	30.02	<2,500	720	<25	<25	<25	<25	1.8	--	--	--
	6/3/2003	--	40.33	9.54	--	30.79	470	78	0.97	4.3	9	48	1.4	--	--	--
	11/13/2003	P	42.35	10.35	--	32.00	130	29	<0.50	<0.50	<0.50	44	1.3	SEQM	6.6	a
	05/12/2004	P	42.35	9.80	--	32.55	<250	66	<2.5	<2.5	<2.5	<2.5	1.9	SEQM	6.9	--
	09/02/2004	--	42.35	10.42	--	31.93	--	--	--	--	--	--	--	--	--	--
	10/07/2004	--	42.35	10.36	--	31.99	--	--	--	--	--	--	--	--	--	--
	11/04/2004	--	42.35	9.93	--	32.42	--	--	--	--	--	--	--	--	--	--
	12/01/2004	P	42.35	10.02	--	32.33	<250	96	<2.5	<2.5	<2.5	16	1.8	SEQM	6.7	--
	05/02/2005	P	42.35	9.20	--	33.15	230	100	<1.0	<1.0	<1.0	50	2.5	SEQM	6.6	--
	11/16/2005	P	42.35	10.96	--	31.39	<100	28	<1.0	<1.0	<1.0	32	1.0	SEQM	6.5	--
S-5	4/11/2002	P	40.33	10.17	--	--	30,000	390	1,400	410	7,400	<500	--	--	--	--
	11/27/2002	P	40.33	9.77	--	--	55,000	1,300	450	1,400	13,000	<50	4.3	--	--	--
	6/3/2003	--	40.33	9.03	--	--	44,000	680	260	1,100	9,900	<25	1.9	--	--	--
	6/3/2003	--	40.33	9.12	--	--	--	--	--	--	--	--	1.4	--	--	--
	11/13/2003	P	41.83	9.12	--	32.71	31,000	520	120	690	5,900	<50	1.4	SEQM	6.5	a
	05/12/2004	P	41.83	9.95	--	31.88	28,000	760	79	910	5,000	<50	1.9	SEQM	6.6	--
	12/01/2004	P	41.83	9.61	--	32.22	26,000	1,500	64	1,400	4,000	<25	--	SEQM	6.5	b

Table 1

Groundwater Elevation and Analytical Data

ARCO Service Station #2035

1001 San Pablo Ave., Albany, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
S-5	05/02/2005	P	41.83	8.80	--	33.03	13,000	700	18	260	1,300	<5.0	1.8	SEQM	6.4	
	11/16/2005	P	41.83	9.80	--	32.03	15,000	1,400	25	570	850	<5.0	1.1	SEQM	6.3	

Table 1

**Groundwater Elevation and Analytical Data**

ARCO Service Station #2035  
1001 San Pablo Ave., Albany, CA

**ABBREVIATIONS & SYMBOLS:**

- = Not analyzed/applicable/measured/available
- < = Not detected at or above laboratory reporting limit
- ft bgs = Feet below ground surface
- ft MSL = Feet above mean sea level
- BTEX = Benzene, toluene, ethylbenzene and xylenes
- DO = Dissolved oxygen
- DTW = Depth to water in ft bgs
- GRO = Gasoline range organics, range C4-C12
- GWE = Groundwater elevation measured in ft MSL
- mg/L = Milligrams per liter
- MTBE = Methyl tert butyl ether
- NP = Not purged before sampling
- P = Purged before sampling
- TOC = Top of casing measured in ft MSL
- TPH-g = Total petroleum hydrocarbons as gasoline, analyzed using EPA Method 8015, Modified
- µg/L = Micrograms per liter
- SEQ/SEQM = Sequoia Analytical/Sequoia Morgan Hill Laboratories

**FOOTNOTES:**

- a = Site resurveyed by URS on 10/15/03 to NAVD '88
- b = Sheen in well

**NOTES:**

No sampling occurs at this site during the first and third quarters of each calendar year.

TPH-g analyzed using EPA Method 8015, Modified and BTEX and MTBE by EPA method 8260B.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Values for DO and pH were obtained through field measurements.

The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.



Table 2

## Fuel Additives Analytical Data

ARCO Service Station #2035

1001 San Pablo Ave., Albany, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/Comments
MW-1	6/3/2003	<1000	<200	8.6	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/13/2003	<100	<20	0.95	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<100	<20	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/01/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
	05/02/2005	<1,000	220	8.8	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/16/2005	<100	<20	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-2	6/3/2003	<100	<20	23	<0.50	<0.50	<0.50	0.94	<0.50	
	11/13/2003	<100	<20	9.5	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<500	<100	27	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/01/2004	<100	<20	17	<0.50	<0.50	<0.50	0.74	<0.50	
	05/02/2005	<100	75	25	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	<100	<20	7.6	<0.50	<0.50	<0.50	0.79	<0.50	a
MW-3	6/3/2003	<100	<20	47	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/13/2003	<100	<20	36	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<100	<20	39	<0.50	<0.50	<0.50	<0.50	<0.50	
	12/01/2004	<100	<20	37	<0.50	<0.50	<0.50	<0.50	<0.50	
	05/02/2005	<100	<20	23	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	<100	<20	32	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-4	6/3/2003	<500	<100	120	<2.5	<2.5	<2.5	<2.5	<2.5	
	11/13/2003	<100	<20	20	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<500	<100	79	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/01/2004	<100	<20	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	
	05/02/2005	<100	75	11	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	<100	<20	0.93	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-5	6/3/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/13/2003	<100	<20	0.79	<0.50	<0.50	<0.50	--	--	
	12/01/2004	<100	<20	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-6	6/3/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/13/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	12/01/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a

Table 2

Fuel Additives Analytical Data

ARCO Service Station #2035

1001 San Pablo Ave., Albany, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
RW-1	6/3/2003	<100	22	48	<0.50	<0.50	<0.50	<0.50	<0.50	
	11/13/2003	<100	<20	44	<0.50	<0.50	<0.50	--	--	
	05/12/2004	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/01/2004	<500	<100	16	<2.5	<2.5	<2.5	<2.5	<2.5	
	05/02/2005	<200	<40	50	<1.0	<1.0	<1.0	<1.0	<1.0	
	11/16/2005	<200	<40	32	<1.0	<1.0	<1.0	<1.0	<1.0	a
S-5	6/3/2003	--	--	--	--	--	--	--	--	
	6/3/2003	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
	11/13/2003	<10,000	<2,000	<50	<50	<50	<50	--	--	
	05/12/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
	12/01/2004	<5,000	<1,000	<25	<25	<25	<25	<25	<25	
	05/02/2005	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/16/2005	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	a

Table 2

**Fuel Additives Analytical Data**  
ARCO Service Station #2035  
1001 San Pablo Ave., Albany, CA

**ABBREVIATIONS & SYMBOLS:**

-- = Not analyzed/applicable/measured/available  
< = Not detected at or above the laboratory reporting limit  
1,2-DCA = 1,2-Dichloroethane  
DIPE = Di-isopropyl ether  
EDB = 1,2-Dibromoethane  
ETBE = Ethyl tert-butyl ether  
MTBE = Methyl tert-butyl ether  
TAME = tert-Amyl methyl ether  
TBA = tert-Butyl alcohol  
µg/L = Micrograms per Liter

**FOOTNOTE:**

a = Calibration verification for ethanol was within method limits but outside contract limits.

**NOTES:**

All volatile organic compounds analyzed using EPA Method 8260B.

The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

