

R0495



Shell Oil Products US

February 22, 2005

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

Alameda County
FEB 25 2005
Environmental Health

Subject: Shell-branded Service Station
29 Wildwood Avenue
Piedmont, California

Dear Ms. Garcia-La Grille:

Attached for your review and comment is a copy of the *Fourth Quarter 2004 Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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

Sincerely,

Shell Oil Products US

A handwritten signature in cursive script that reads "Karen Petryna".

Karen Petryna
Sr. Environmental Engineer

February 22, 2005

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

Re: **Fourth Quarter 2004 Monitoring Report**
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, California
Incident #98995822
Cambria Project# 247-0687-002

Alameda County
FEB 26 2005
Environmental Health



Dear Ms. Garcia-La Grille:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

FOURTH QUARTER 2004 ACTIVITIES


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

May 16, 2003 Agency Letter: The Alameda County Health Care Services Agency's May 16, 2003 letter directed Shell to continue analyzing all groundwater monitoring samples for the fuel oxygenates methyl tertiary butyl ether (MTBE), tert amyl methyl ether (TAME), ethyl tert butyl ether (ETBE), di-isopropyl ether (DIPE), and tert butyl alcohol (TBA) by EPA Method 8260 until further notice. During this quarter, samples from wells MW-1, MW-2, and MW-3 were analyzed for these target analytes. Of these target analytes, only TBA and MTBE were detected. TBA was detected in well MW-2 at a concentration of 5.1 parts per billion (ppb) and in well MW-3 at a concentration of 100 ppb. MTBE was detected in wells MW-2 and MW-3 at concentrations of 41 ppb and 190 ppb, respectively.

**Cambria
Environmental
Technology, Inc.**

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

The October 2001 and July 2003 samples from wells MW-2 and MW-3 were also analyzed for ethanol. Ethanol was previously detected only in MW-2. The MW-2 ethanol results were 150,000 ppb in October 2001 and 7,000 ppb in July 2003. Samples from MW-2 and MW-3 were analyzed for ethanol and were below laboratory detection limits.



Additional Oxygenate Analysis: Since fourth quarter 2002, groundwater samples from all monitoring wells have been analyzed on seven occasions for four additional oxygenates (TAME, ETBE, DIPE, TBA) in addition to the regular analysis for total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, total xylenes, and MTBE. Results for the off-site wells MW-4 and MW-5 have been below detection limits for TAME, ETBE, DIPE, and TBA for all seven events. As recommended in the *First Quarter 2004 Monitoring Report*, Cambria has discontinued oxygenate analyses in off-site wells MW-4 and MW-5. Samples from the on-site wells MW-1, MW-2, and MW-3 will continue to be analyzed for TAME, ETBE, DIPE, and TBA. Samples from wells MW-2 and MW-3 will also be analyzed for ethanol. The results will be included in the monitoring reports.

August 2003 Well Survey and Site Conceptual Model Report: Cambria submitted the agency-requested well survey and site conceptual model report on August 14, 2003. To date, no response or comments on the report have been received.

ANTICIPATED FIRST QUARTER 2005 ACTIVITIES

Groundwater Monitoring: Blaine will measure DO, gauge and sample all site wells, and tabulate the data.

CLOSING

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

Sincerely,
Cambria Environmental Technology, Inc



David Gibbs
Project Geologist



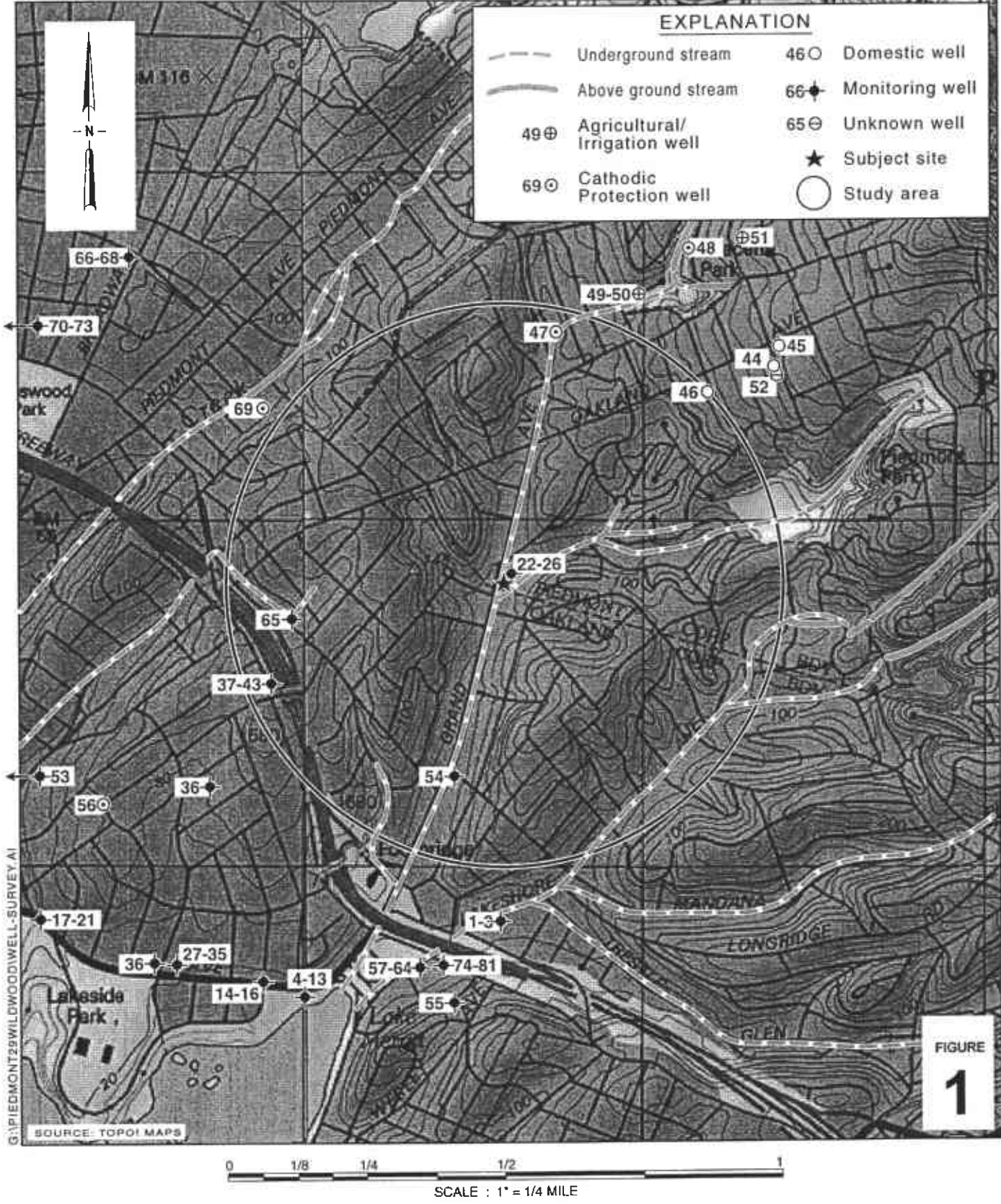
Matthew W. Derby, P.E.
Senior Project Manager

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

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

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

G:\Piedmont 29 Wildwood\QMV4q04V4q04qm.doc

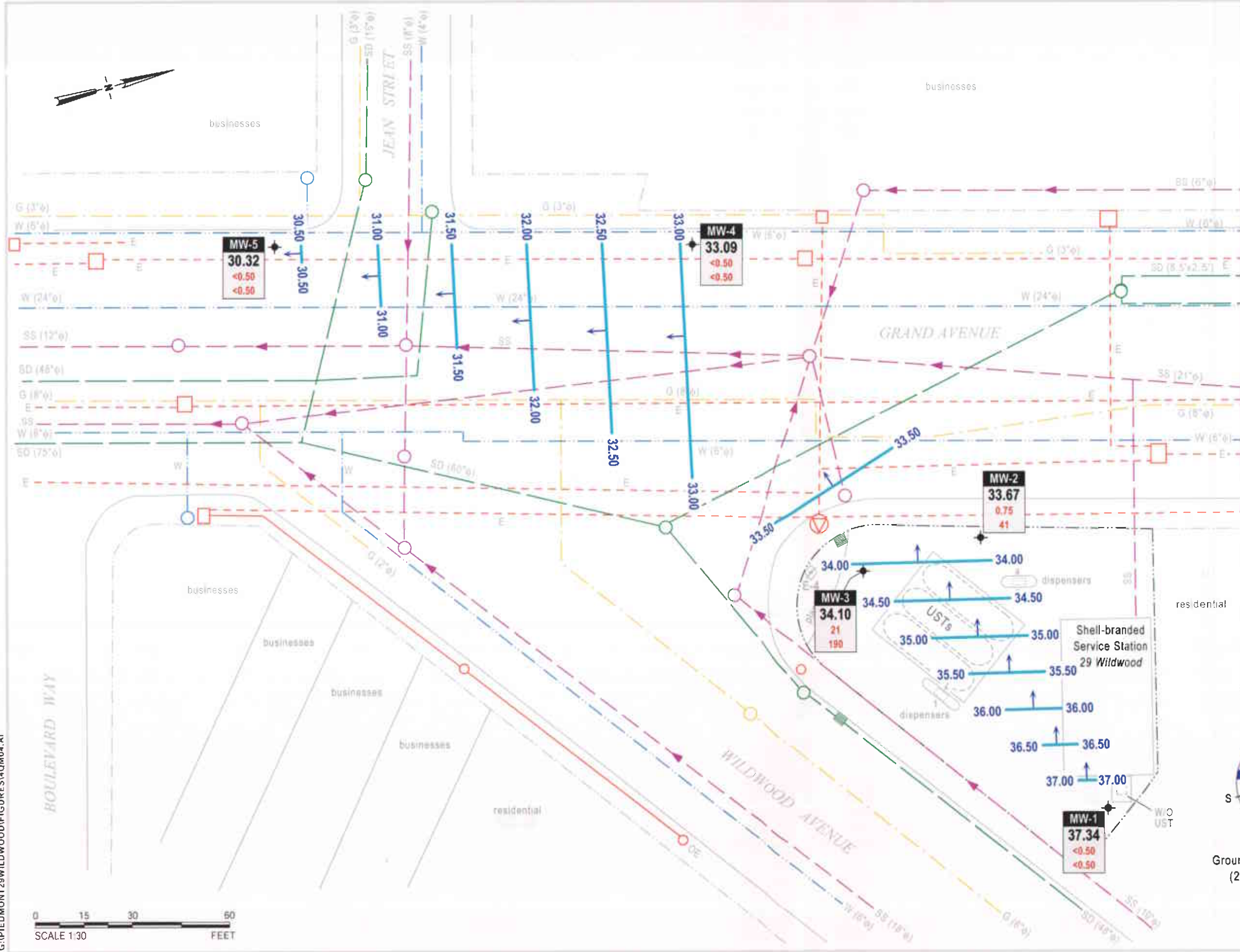


Shell-branded Service Station
 29 Wildwood Avenue
 Piedmont, California
 Incident #98995822



C A M B R I A

Vicinity/Area Well Survey Map
 1/2 Mile Radius



EXPLANATION

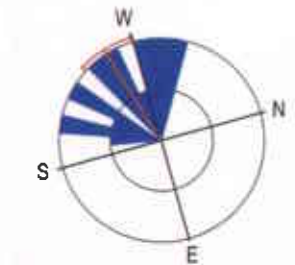
- MW-1 Monitoring well
- E-1 Destroyed flowing artesian monitoring well
- Groundwater flow direction
- Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred

Well

ELEV
Benzene
MTBE

Well designation
Groundwater elevation, in feet above msl
Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.

- Storm drain line (SD)
- Storm drain line (SD) (boxed culvert)
- Sanitary sewer line (SS)
- Water line (W)
- Gas line (G)
- Electrical line (E)
- Overhead electrical line (OE)
- Telephone, TV cable (T)
- Utility pole
- Electrical vault
- Electrical transformer
- Manhole
- Flow direction
- Storm drain inlet



Groundwater Flow Direction (2Q99 through 4Q04)

FIGURE 2

Groundwater Elevation Contour Map

Shell-branded Service Station
29 Wildwood Avenue
Piedmont, California
Incident #98995822



October 25, 2004

G:\PIEDMONT\29WILDWOOD\FIGURES\4Q04.A1

ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

BLAINE

TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

November 24, 2004

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

Fourth Quarter 2004 Groundwater Monitoring at
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, CA

Monitoring performed on October 25, 2004

Groundwater Monitoring Report **041025-WC-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,

Leon Gearhart
Project Coordinator

LG/ks

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	07/12/1989	<50	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	2.76	35.20	NA
MW-1	01/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.10	34.86	NA
MW-1	04/27/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.24	34.72	NA
MW-1	07/31/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.26	33.70	NA
MW-1	10/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.25	33.71	NA
MW-1	01/31/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.66	34.30	NA
MW-1	04/30/1991	<50	0.8	<0.5	0.6	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.46	34.50	NA
MW-1	07/30/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.14	33.82	NA
MW-1	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.96	34.00	NA
MW-1	01/20/1992	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.59	34.37	NA
MW-1	04/14/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.18	31.71	NA
MW-1	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.17	33.79	NA
MW-1	10/02/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.29	33.67	NA
MW-1	01/20/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	2.32	35.64	NA
MW-1	05/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.50	34.46	1.9
MW-1	06/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.76	34.20	NA
MW-1	07/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.09	33.87	4.6
MW-1	10/19/1993	50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.58	34.38	4.3
MW-1	01/20/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	NA	NA	NA
MW-1	04/12/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.60	34.36	7.5
MW-1	07/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.10	33.86	3.2
MW-1	10/06/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.30	33.66	3.2
MW-1	01/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	2.94	35.02	10.6
MW-1	07/06/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.68	34.28	NA
MW-1	01/24/1996	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	2.12	35.84	NA
MW-1	07/12/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.58	34.38	2.7
MW-1	01/16/1997	120	14	10	3.6	14	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	37.96	2.30	35.66	3
MW-1	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	8.6	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.66	34.30	4.5
MW-1	05/13/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	37.96	2.81	35.15	5.1
MW-1	10/01/1998	<50	<0.50c	<0.50c	<0.50c	<0.50c	<2.5c	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.75	34.21	5.0

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.52	34.44	4.1
MW-1	11/01/1999	<50.0	<0.500	<0.500	<0.500	<0.500	5.03	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.05	33.91	3.6
MW-1	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	3.22	NA	NA	NA	NA	NA	NA	NA	NA	37.96	3.74	34.22	4.2
MW-1	10/30/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	37.96	2.19	35.77	4.1
MW-1	04/27/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	37.96	4.43	33.53	1.9
MW-1	10/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	37.96	4.34	33.62	2.4
MW-1	05/09/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.96	NA	NA	NA
MW-1	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	37.96	3.53	34.43	1.2
MW-1	10/23/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0	40.94	3.68	37.26	3.5
MW-1	01/22/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.94	NA	NA	NA
MW-1	01/29/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	40.94	3.25	37.69	3.7
MW-1	04/30/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	40.94	2.76	38.18	3.6
MW-1	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<1.4	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	40.94	3.15	37.79	0.5
MW-1	10/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	0.64	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	40.94	3.82	37.12	3.9
MW-1	01/05/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	40.94	3.39	37.55	1.8
MW-1	04/14/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	40.94	3.43	37.51	4.5
MW-1	07/13/2004	<50	<0.50	<0.50	0.53	1.4	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	40.94	3.70	37.24	2.5
MW-1	10/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	40.94	3.60	37.34	5.45

MW-2	07/12/1989	60	2.7	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.66	31.23	NA
MW-2	01/30/1990	<50	6.6	<0.5	0.54	0.93	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.49	31.40	NA
MW-2	04/27/1990	60	2.1	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.79	31.10	NA
MW-2	07/31/1990	70	1.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.03	30.86	NA
MW-2	10/30/1990	70	<0.5	0.7	<0.5	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.21	30.68	NA
MW-2	01/31/1991	80	<0.5	<0.5	0.9	1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.09	30.80	NA
MW-2	04/30/1991	100	5.9	0.6	0.7	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.95	30.94	NA
MW-2	07/30/1991	<50	<0.5	<0.7	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.07	30.82	NA
MW-2	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.11	30.78	NA
MW-2	01/20/1992	<30	0.84	<0.3	<0.41	<0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.86	31.03	NA
MW-2	04/14/1992	70	16	<0.5	3.1	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.66	34.30	NA
MW-2	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.92	30.97	NA

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	10/02/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.45	30.44	NA
MW-2	01/20/1993	<50	3.8	<0.5	0.52	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.74	31.15	NA
MW-2	05/03/1993	680a	2.8	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.77	31.12	0.9
MW-2	06/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.96	30.93	NA
MW-2	07/21/1993	<50	8	1.2	1.8	7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.39	30.50	5.9
MW-2	10/19/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.92	30.97	5.7
MW-2	01/20/1994	<50	1.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.45	30.44	3.2
MW-2	04/12/1994	<50	2.9	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.72	30.17	11.4
MW-2	07/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	5.32	29.57	2.4
MW-2	10/06/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.03	30.86	2.9
MW-2	01/20/1995	290	28	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.89	31.00	4.6
MW-2	07/06/1995	120	3	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	8.84	26.05	NA
MW-2	01/24/1996	70	3.1	<0.5	0.8	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.80	31.09	NA
MW-2 (D)	01/24/1996	70	3.2	0.5	0.7	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	NA	NA	NA
MW-2	07/12/1996	<50	0.68	<0.5	<0.5	<0.5	270	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.85	31.04	3.8
MW-2	01/16/1997	230	34	1.6	1.6	4.2	460	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.84	31.05	NA
MW-2	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	54	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.75	31.14	2.9
MW-2	05/13/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.78	31.11	NA
MW-2	10/01/1998	<50	<0.50c	<0.50c	<0.50c	<0.50c	100	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.90	29.99	3.0
MW-2	04/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.89	4.69	30.20	NA
MW-2	11/01/1999	<50.0	<0.500	1.29	0.669	4.52	7.21	NA	NA	NA	NA	NA	NA	NA	NA	34.89	5.24	29.65	2.9
MW-2	04/05/2000	376d	68.1d	3.10d	2.88d	5.35d	729d	NA	NA	NA	NA	NA	NA	NA	NA	34.89	3.43	31.46	3.6
MW-2	10/30/2000	5.790	59.2	315	162	1320	346	NA	NA	NA	NA	NA	NA	NA	NA	34.89	2.35	32.54	2.8
MW-2	04/27/2001	2,720	90.8	22.8	18.1	165	512	578	NA	NA	NA	NA	NA	NA	NA	34.89	4.67	30.22	0.9
MW-2	10/31/2001	<10,000	<100	<100	<100	<100	NA	<100	<100	<100	<100	<1,000	150,000	NA	NA	34.89	3.68	31.21	1.3
MW-2	05/09/2002	490	1.5	7.8	2.1	14	NA	200	NA	NA	NA	NA	NA	NA	NA	34.89	3.18	31.71	1.1
MW-2	07/25/2002	1,200	1.0	3.3	1.3	8.3	NA	45	NA	NA	NA	NA	NA	NA	NA	34.89	3.30	31.59	0.4
MW-2	10/23/2002	1,100	0.85	3.8	1.3	7.9	NA	140	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0	37.87	3.87	34.00	0.8
MW-2	01/22/2003	730	<0.50	100	0.96	5.4	NA	230	NA	NA	NA	NA	NA	NA	NA	37.87	2.68	35.19	1.5
MW-2	04/30/2003	<500	<5.0	23	<5.0	<10	NA	410	NA	NA	NA	NA	NA	NA	NA	37.87	3.42	34.45	0.1
MW-2	07/14/2003	<800	1.2	59	1.4	9.8	NA	60	<2.0	<2.0	<2.0	8.6	7,000	NA	NA	37.87	3.50	34.37	1.1

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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)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	10/23/2003	2,000	1.7	0.88	1.5	<1.0	NA	0.98	<2.0	<2.0	<2.0	<5.0	<50	NA	NA	37.87	5.08	32.79	0.8
MW-2	01/05/2004	240	<0.50	8.3	<0.50	1.8	NA	64	<2.0	<2.0	<2.0	<5.0	<50	NA	NA	37.87	2.59	35.28	0.4
MW-2	04/14/2004	81	4.8	10	1.0	5.3	NA	170	<2.0	<2.0	<2.0	9.7	<50	NA	NA	37.87	4.15	33.72	0.2
MW-2	07/13/2004	280	1.1	44	2.4	10	NA	85	<2.0	<2.0	<2.0	5.1	<50	NA	NA	37.87	4.20	33.67	0.1
MW-2	10/25/2004	150	0.75	13	1.3	6.3	NA	41	<2.0	<2.0	<2.0	5.1	<50	NA	NA	38.32 f	4.65	33.67	3.30

MW-3	07/12/1989	3,900	380	41	99	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.83	31.17	NA
MW-3	01/30/1990	5,500	440	35	79	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.24	31.76	NA
MW-3	04/27/1990	4,500	310	26	37	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.02	30.98	NA
MW-3	07/31/1990	3,500	210	17	8.4	62	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.31	30.69	NA
MW-3	10/30/1990	2,300	610	<0.5	<0.5	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.52	30.48	NA
MW-3	01/31/1991	4,100	300	20	19	81	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.33	30.67	NA
MW-3	04/30/1991	3,800	370	19	8.6	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.79	31.21	NA
MW-3	07/30/1991	3,300	160	13	15	87	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.37	30.63	NA
MW-3	10/29/1991	1,000	35	2.8	2.9	8.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.00	31.00	NA
MW-3	01/20/1992	6,900	380	18	47	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.87	31.13	NA
MW-3	04/14/1992	6,000	480	38	41	55	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.15	31.85	NA
MW-3	07/21/1992	3,700	330	13	30	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.17	30.83	NA
MW-3	10/02/1992	4,200	260	10	13	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.43	30.57	NA
MW-3	01/20/1993	4,200	360	15	32	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	2.20	32.80	NA
MW-3 (D)	01/20/1993	3,900	370	15	32	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	NA
MW-3	05/03/1993	12,000	290	520	120	620	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.50	31.50	0.6
MW-3	06/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.08	30.92	NA
MW-3	07/21/1993	2,000	170	12	<10	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.12	30.88	4.3
MW-3 (D)	07/21/1993	2,000	170	10	<10	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	NA
MW-3	10/19/1993	2,000	240	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.20	30.80	5.7
MW-3	01/20/1994	4,200	280	<10	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.08	30.92	4.1
MW-3 (D)	01/20/1994	3,800	250	<10	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	4.1
MW-3	04/12/1994	4,700	380	<10	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.70	31.30	10.6
MW-3 (D)	04/12/1994	3,400	370	<25	<25	<25	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	NA
MW-3	07/20/1994	5,100	320	77	15	34	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.26	30.74	2.3

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MW-3 (D)	07/20/1994	4,400	250	14	13	32	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	NA
MW-3	10/06/1994	4,300	280	9.7	4	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.31	30.69	2.3
MW-3	01/20/1995	4,600	180	18	16	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.00	32.00	11.1
MW-3 (D)	01/20/1995	4,300	170	12	15	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	NA
MW-3	07/06/1995	3,900	310	<0.5	7.6	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.75	31.25	NA
MW-3 (D)	07/06/1995	4,100	330	<0.5	7.9	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	NA
MW-3	01/24/1996	5,000	210	14	14	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.26	31.74	NA
MW-3	07/12/1996	2,700	210	<0.5	<0.5	<0.5	3,600	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.77	31.23	2.4
MW-3 (D)	07/12/1996	2,800	210	<0.5	<0.5	<0.5	3,400	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	2.4
MW-3	01/16/1997	4,200	130	19	10	34	4,400	4,600	NA	NA	NA	NA	NA	NA	NA	35.00	2.38	32.62	2.3
MW-3	10/24/1997	4,100	270	9	5.1	8.8	2,000	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.12	30.88	1.9
MW-3 (D)	10/24/1997	1,700	220	<5.0	<5.0	<5.0	1,500	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	1.9
MW-3	05/13/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.22	31.78	NA
MW-3	10/01/1998	1,400	84c	<5.0c	<5.0c	<5.0c	2,300	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.15	30.85	2.0
MW-3 (D)	10/01/1998	2,100	100c	<10c	<10c	<10c	2,600	NA	NA	NA	NA	NA	NA	NA	NA	35.00	NA	NA	2.0
MW-3	04/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.27	30.73	NA
MW-3	11/01/1999	1,850	94.3	6.09	<5.00	6.67	4,140	NA	NA	NA	NA	NA	NA	NA	NA	35.00	4.65	30.35	2.2
MW-3	04/05/2000	3,070	96.9	12.1	<10.0	<10.0	1,050	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.50	31.50	2.7
MW-3	10/30/2000	1,570	56.8	1.91	1.39	3.06	572	524	NA	NA	NA	NA	NA	NA	NA	35.00	3.40	31.60	3.1
MW-3	04/27/2001	2,420	103	12.6	<5.00	15.6	314	NA	NA	NA	NA	NA	NA	NA	NA	35.00	3.67	31.33	0.9
MW-3	10/31/2001	<50	0.71	<0.50	<0.50	<0.50	NA	31	<2.0	<2.0	<2.0	<50	<500	NA	NA	35.00	3.79	31.21	1.6
MW-3	05/09/2002	2,000	52	<10	<10	<10	NA	4,100	NA	NA	NA	NA	NA	NA	NA	35.00	3.76	31.24	0.9
MW-3	07/25/2002	1,800	50	<5.0	<5.0	<5.0	NA	1,900	NA	NA	NA	NA	NA	NA	NA	35.00	4.17	30.83	3.7
MW-3	10/23/2002	1,700	27	<5.0	<5.0	<5.0	NA	1,400	<5.0	<5.0	7.4	300	NA	<5.0	<5.0	37.97	4.36	33.61	1.6
MW-3	01/22/2003	1,800	38	2.4	1.5	2.4	NA	390	NA	NA	NA	NA	NA	NA	NA	37.97	3.09	34.88	1.3
MW-3	04/30/2003	3,300	56	5.2	<5.0	<10	NA	540	NA	NA	NA	NA	NA	NA	NA	37.97	3.39	34.58	1.5
MW-3	07/14/2003	1,000	20	2.7	<2.5	<5.0	NA	360	<10	<10	<10	72	<250	NA	NA	37.97	4.05	33.92	1.5
MW-3	10/23/2003	2,100	27	<5.0	<5.0	<10	NA	260	<20	<20	<20	<50	<500	NA	NA	37.97	4.32	33.65	1.0
MW-3	01/05/2004	2,800	91	6.0	<5.0	<10	NA	1,100	<20	<20	<20	450	510	NA	NA	37.97	1.89	36.08	1.8
MW-3	04/14/2004	3,400	47	<5.0	<5.0	<10	NA	360	<20	<20	<20	260	<500	NA	NA	37.97	3.64	34.33	3.6
MW-3	07/13/2004	2,300	21	<5.0	<5.0	<10	NA	210	<20	<20	<20	190	<500	NA	NA	37.97	4.27	33.70	2.7

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MW-3	10/25/2004	1,600	21	<5.0	<5.0	<10	NA	190	<20	<20	<20	100	<500	NA	NA	37.97	3.87	34.10	3.65
MW-4	01/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.50	29.23	NA
MW-4	04/27/1990	130a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.62	30.11	NA
MW-4	07/31/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.19	29.54	NA
MW-4	10/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.19	29.54	NA
MW-4	01/31/1991	50a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.49	29.24	NA
MW-4	04/30/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.02	29.71	NA
MW-4	07/30/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.39	29.34	NA
MW-4	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.75	29.98	NA
MW-4	01/20/1992	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.94	29.79	NA
MW-4	04/14/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.71	30.02	NA
MW-4	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.02	29.71	NA
MW-4	10/02/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.13	29.60	NA
MW-4	01/20/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.10	30.63	NA
MW-4	05/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.70	30.03	1.7
MW-4	06/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.81	29.92	NA
MW-4	07/21/1993	<50	0.56	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.81	29.92	4.5
MW-4	10/19/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.94	29.79	5.8
MW-4	01/20/1994	<50	0.71	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.00	29.73	4.4
MW-4	04/12/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	4.01	29.72	7.3
MW-4	07/20/1994	160	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.91	29.82	6.4
MW-4	10/06/1994	410	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.99	29.74	5.0
MW-4	01/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.56	30.17	4.9
MW-4	07/06/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.85	29.88	NA
MW-4	01/24/1996	<50	<0.5	<0.5	0.6	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	2.56	31.17	NA
MW-4	07/12/1996	<50	<0.5	<0.5	<0.5	<0.5	b	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.36	30.37	2.7
MW-4	01/16/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	NA	NA	NA
MW-4	10/24/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	NA	NA	NA
MW-4	05/13/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	NA	NA	NA
MW-4	10/01/1998	<50	<0.50c	<0.50c	<0.50c	0.74c	8.1	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.90	29.83	2.5

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MW-4	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	5.7	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.97	29.76	2.1
MW-4	11/01/1999	Well inaccessible			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.73	NA	NA	NA
MW-4	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	3.64	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.63	30.10	2.1
MW-4	10/30/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.33	30.40	3.0
MW-4	04/27/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	NA	33.73	3.48	30.25	2.2
MW-4	10/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	33.73	3.58	30.15	2.8
MW-4	05/09/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	33.73	3.74	29.99	2.0
MW-4	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	33.73	3.71	30.02	1.3
MW-4	10/23/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0	36.72	3.93	32.79	2.6
MW-4	01/22/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	36.72	3.67	33.05	3.1
MW-4	04/30/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	36.72	3.46	33.26	2.8
MW-4	07/14/2003	56 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	36.72	3.75	32.97	2.4
MW-4	10/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	36.72	3.93	32.79	2.0
MW-4	01/05/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	36.72	3.72	33.00	0.8
MW-4	04/14/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	36.72	3.81	32.91	1.1
MW-4	07/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	36.72	3.82	32.90	1.6
MW-4	10/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	36.72	3.63	33.09	2.66
MW-5	01/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	7.12	24.26	NA
MW-5	04/27/1990	210a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.19	27.19	NA
MW-5	07/31/1990	90	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.09	27.29	NA
MW-5	10/30/1990	100	0.8	0.7	0.6	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.39	26.99	NA
MW-5	01/31/1991	80a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.49	26.89	NA
MW-5	04/30/1991	90	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.27	27.11	NA
MW-5	07/30/1991	90	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.32	27.06	NA
MW-5	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	3.79	27.59	NA
MW-5	01/20/1992	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.09	27.29	NA
MW-5	04/14/1992	<50a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.12	27.26	NA
MW-5	07/21/1992	74a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.13	27.25	NA
MW-5	10/02/1992	76a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.30	27.08	NA
MW-5	01/20/1993	72a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	3.12	28.26	NA

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	05/03/1993	70a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.07	27.31	1.6
MW-5 (D)	05/04/1993	80a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	NA	NA	NA
MW-5	06/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.08	27.30	NA
MW-5	07/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.05	27.33	3.5
MW-5	10/19/1993	51	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.20	27.18	3.8
MW-5	01/20/1994	90	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.40	26.98	4.2
MW-5	04/12/1994	67	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.18	27.20	NA
MW-5	07/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.06	27.32	3.2
MW-5	10/06/1994	80	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.01	27.37	2.1
MW-5 (D)	10/06/1994	60	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	NA	NA	NA
MW-5	01/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	3.49	27.89	3.2
MW-5	07/06/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.06	27.32	NA
MW-5	01/24/1996	70	<0.5	<0.5	0.8	2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.38	2.90	28.48	NA
MW-5	07/12/1996	62	<0.5	<0.5	<0.5	<0.5	b	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.02	27.36	1.9
MW-5	01/16/1997	66	0.91	0.89	<0.50	1.7	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.38	2.59	28.79	2.2
MW-5 (D)	01/16/1997	<50	0.7	0.78	<0.50	1.3	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.38	NA	NA	2.2
MW-5	10/24/1997	59	<0.50	<0.50	<0.50	<0.50	17	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.15	27.23	4.6
MW-5	05/13/1998	72	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.38	3.64	27.74	2.1
MW-5 (D)	05/13/1998	70	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	31.38	NA	NA	2.1
MW-5	10/01/1998	57	<0.50c	<0.50c	<0.50c	0.62c	20	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.25	27.13	2.2
MW-5	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	16	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.56	26.82	2.0
MW-5	11/01/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.06	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.19	27.19	2.2
MW-5	04/05/2000	<50.0	<0.500	<0.500	<0.500	<0.500	22.5	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.34	27.04	2.2
MW-5	10/30/2000	<50.0	<0.500	<0.500	<0.500	<0.500	19.3	NA	NA	NA	NA	NA	NA	NA	NA	31.38	3.25	28.13	4.0
MW-5	04/27/2001	51.5	<0.500	<0.500	<0.500	<0.500	4.29	NA	NA	NA	NA	NA	NA	NA	NA	31.38	4.07	27.31	1.0
MW-5	10/31/2001	210	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	31.38	4.02	27.36	1.5
MW-5	05/09/2002	280	0.71	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	31.38	4.31	27.07	1.7
MW-5	07/25/2002	410	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	31.38	4.32	27.06	0.7
MW-5	10/23/2002	290	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<2.0	<2.0	<2.0	<50	NA	<2.0	<2.0	34.36	4.37	29.99	2.3
MW-5	01/22/2003	260	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	34.36	4.12	30.24	2.4
MW-5	04/30/2003	90 a	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	34.36	3.88	30.48	1.5

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-5	07/14/2003	72 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	34.36	4.57	29.79	1.0
MW-5	10/23/2003	120 e	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	34.36	4.45	29.91	1.8
MW-5	01/05/2004	120 a	<0.50	<0.50	<0.50	1.1	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	34.36	3.33	31.03	0.6
MW-5	04/14/2004	180 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	NA	34.36	4.52	29.84	0.6
MW-5	07/13/2004	150 a	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.36	4.42	29.94	0.1
MW-5	10/25/2004	85 g	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	34.36	4.04	30.32	2.21
E-4	07/12/1989	<50	<0.5	<1	<1	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>39.13	NA
E-4	01/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	04/27/1990	120a	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	07/31/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	10/30/1990	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	01/31/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	04/30/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	07/30/1991	<50	<0.5	0.6	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	10/29/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	01/20/1992	<30	<0.3	<0.3	<0.3	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	04/14/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	07/21/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	10/02/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	01/20/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	05/03/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	0.6
E-4	06/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	07/21/1993	<50	5.4	0.72	1	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	5.4
E-4	10/19/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	5.6
E-4	01/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	NA
E-4	04/12/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	9.4
E-4	07/20/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	2.0
E-4	10/06/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	1.3
E-4	01/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.63	NA	>34.63	3.7
E-4	05/16/1995	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
29 Wildwood Avenue
Piedmont, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Abbreviations:

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

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

1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B

EDB = 1,2-Dibromoethane, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

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
29 Wildwood Avenue
Piedmont, 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)	Ethanol (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Notes:

- a = Chromatogram pattern indicated an unidentified hydrocarbon/Hydrocarbon reported does not match laboratory's standard.
 - b = Due to coelution with early eluters, no result could be determined for MTBE.
 - c = Laboratory reported 1.3 ug/L benzene, 11 ug/L toluene, 0.98 ug/L ethyl benzene, and 6.5 ug/L total xylenes in the equipment blank.
 - d = Result reported was generated out of hold time.
 - e = Sample contains discrete peaks which are Chlorinated solvents, in addition to gasoline.
 - f = Top of casing altered +0.45 feet due to wellhead maintenance on August 2, 2004.
 - g = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
- Ethanol analyzed by EPA Method 8260B.
- Well E-4 is a flowing artesian well; potentiometric surface above top-of-casing elevation.
- Site surveyed March 5, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

November 09, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 041025-WC1
Project: 98995822
Site: 29 Wildwood Avenue, Piedmont

Dear Mr. Gearhart,

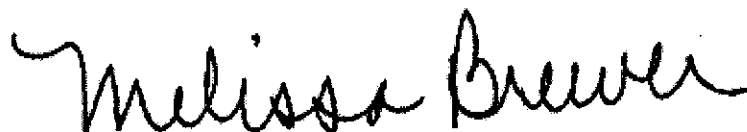
Attached is our report for your samples received on 10/26/2004 15:27
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
12/10/2004 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer
Project Manager

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: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/25/2004 11:27	Water	1
MW-2	10/25/2004 11:42	Water	2
MW-3	10/25/2004 11:13	Water	3
MW-4	10/25/2004 09:39	Water	4
MW-5	10/25/2004 10:09	Water	5

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: 041025-WC1

98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2004-10-0831 - 1
Sampled: 10/25/2004 11:27	Extracted: 11/2/2004 17:19
Matrix: Water	QC Batch#: 2004/11/02-2A.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	11/02/2004 17:19	
Benzene	ND	0.50	ug/L	1.00	11/02/2004 17:19	
Toluene	ND	0.50	ug/L	1.00	11/02/2004 17:19	
Ethylbenzene	ND	0.50	ug/L	1.00	11/02/2004 17:19	
Total xylenes	ND	1.0	ug/L	1.00	11/02/2004 17:19	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	11/02/2004 17:19	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/02/2004 17:19	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/02/2004 17:19	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/02/2004 17:19	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/02/2004 17:19	
Surrogate(s)						
1,2-Dichloroethane-d4	105.6	76-130	%	1.00	11/02/2004 17:19	
Toluene-d8	107.0	78-115	%	1.00	11/02/2004 17:19	

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: 041025-WC1

98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-2

Lab ID: 2004-10-0831 - 2

Sampled: 10/25/2004 11:42

Extracted: 11/3/2004 13:26

Matrix: Water

QC Batch#: 2004/11/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	150	50	ug/L	1.00	11/03/2004 13:26	
Benzene	0.75	0.50	ug/L	1.00	11/03/2004 13:26	
Toluene	13	0.50	ug/L	1.00	11/03/2004 13:26	
Ethylbenzene	1.3	0.50	ug/L	1.00	11/03/2004 13:26	
Total xylenes	6.3	1.0	ug/L	1.00	11/03/2004 13:26	
tert-Butyl alcohol (TBA)	5.1	5.0	ug/L	1.00	11/03/2004 13:26	
Methyl tert-butyl ether (MTBE)	41	0.50	ug/L	1.00	11/03/2004 13:26	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	11/03/2004 13:26	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	11/03/2004 13:26	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	11/03/2004 13:26	
Ethanol	ND	50	ug/L	1.00	11/03/2004 13:26	
Surrogate(s)						
1,2-Dichloroethane-d4	71.1	76-130	%	1.00	11/03/2004 13:26	S6
Toluene-d8	88.7	78-115	%	1.00	11/03/2004 13:26	

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: 041025-WC1

98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-4

Lab ID: 2004-10-0831 - 4

Sampled: 10/25/2004 09:39

Extracted: 11/3/2004 13:48

Matrix: Water

QC Batch#: 2004/11/03-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	11/03/2004 13:48	
Benzene	ND	0.50	ug/L	1.00	11/03/2004 13:48	
Toluene	ND	0.50	ug/L	1.00	11/03/2004 13:48	
Ethylbenzene	ND	0.50	ug/L	1.00	11/03/2004 13:48	
Total xylenes	ND	1.0	ug/L	1.00	11/03/2004 13:48	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/03/2004 13:48	
Surrogate(s)						
1,2-Dichloroethane-d4	95.4	76-130	%	1.00	11/03/2004 13:48	
Toluene-d8	100.7	78-115	%	1.00	11/03/2004 13:48	

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: 041025-WC1

98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-5

Lab ID: 2004-10-0831 - 5

Sampled: 10/25/2004 10:09

Extracted: 11/3/2004 16:34

Matrix: Water

QC Batch#: 2004/11/03-1B.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	85	50	ug/L	1.00	11/03/2004 16:34	Q6
Benzene	ND	0.50	ug/L	1.00	11/03/2004 16:34	
Toluene	ND	0.50	ug/L	1.00	11/03/2004 16:34	
Ethylbenzene	ND	0.50	ug/L	1.00	11/03/2004 16:34	
Total xylenes	ND	1.0	ug/L	1.00	11/03/2004 16:34	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/03/2004 16:34	
Surrogate(s)						
1,2-Dichloroethane-d4	85.9	76-130	%	1.00	11/03/2004 16:34	
Toluene-d8	93.3	78-115	%	1.00	11/03/2004 16:34	

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

Blaine Tech Services, Inc.

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Project: 041025-WC1

98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/02-2A.64-015

Water

Test(s): 8260B

QC Batch # 2004/11/02-2A.64

Date Extracted: 11/02/2004 19:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/02/2004 19:15	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/02/2004 19:15	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/02/2004 19:15	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/02/2004 19:15	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/02/2004 19:15	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/02/2004 19:15	
Benzene	ND	0.5	ug/L	11/02/2004 19:15	
Toluene	ND	0.5	ug/L	11/02/2004 19:15	
Ethylbenzene	ND	0.5	ug/L	11/02/2004 19:15	
Total xylenes	ND	1.0	ug/L	11/02/2004 19:15	
Ethanol	ND	50	ug/L	11/02/2004 19:15	
Surrogates(s)					
1,2-Dichloroethane-d4	88.6	76-130	%	11/02/2004 19:15	
Toluene-d8	97.4	78-115	%	11/02/2004 19:15	

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

Blaine Tech Services, Inc.

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Project: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/11/02-2A.68

MB: 2004/11/02-2A.68-045

Date Extracted: 11/02/2004 16:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/02/2004 16:45	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/02/2004 16:45	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/02/2004 16:45	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/02/2004 16:45	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/02/2004 16:45	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/02/2004 16:45	
Benzene	ND	0.5	ug/L	11/02/2004 16:45	
Toluene	ND	0.5	ug/L	11/02/2004 16:45	
Ethylbenzene	ND	0.5	ug/L	11/02/2004 16:45	
Total xylenes	ND	1.0	ug/L	11/02/2004 16:45	
Ethanol	ND	50	ug/L	11/02/2004 16:45	
Surrogates(s)					
1,2-Dichloroethane-d4	97.8	76-130	%	11/02/2004 16:45	
Toluene-d8	106.1	78-115	%	11/02/2004 16:45	

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

Blaine Tech Services, Inc.

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Project: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/03-1B.64-034

Water

Test(s): 8260B

QC Batch # 2004/11/03-1B.64

Date Extracted: 11/03/2004 07:34

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/03/2004 07:34	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/03/2004 07:34	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/03/2004 07:34	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/03/2004 07:34	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/03/2004 07:34	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/03/2004 07:34	
Benzene	ND	0.5	ug/L	11/03/2004 07:34	
Toluene	ND	0.5	ug/L	11/03/2004 07:34	
Ethylbenzene	ND	0.5	ug/L	11/03/2004 07:34	
Total xylenes	ND	1.0	ug/L	11/03/2004 07:34	
Ethanol	ND	50	ug/L	11/03/2004 07:34	
Surrogates(s)					
1,2-Dichloroethane-d4	91.2	76-130	%	11/03/2004 07:34	
Toluene-d8	101.8	78-115	%	11/03/2004 07:34	

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

Blaine Tech Services, Inc.

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Project: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/11/03-1B.65

MB: 2004/11/03-1B.65-052

Date Extracted: 11/03/2004 07:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/03/2004 07:52	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	11/03/2004 07:52	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/03/2004 07:52	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	11/03/2004 07:52	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	11/03/2004 07:52	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	11/03/2004 07:52	
Benzene	ND	0.5	ug/L	11/03/2004 07:52	
Toluene	ND	0.5	ug/L	11/03/2004 07:52	
Ethylbenzene	ND	0.5	ug/L	11/03/2004 07:52	
Total xylenes	ND	1.0	ug/L	11/03/2004 07:52	
Ethanol	ND	50	ug/L	11/03/2004 07:52	
Surrogates(s)					
1,2-Dichloroethane-d4	93.8	76-130	%	11/03/2004 07:52	
Toluene-d8	88.6	78-115	%	11/03/2004 07:52	

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

Blaine Tech Services, Inc.

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Project: 041025-WC1

98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/11/02-2A.64

LCS 2004/11/02-2A.64-053

Extracted: 11/02/2004

Analyzed: 11/02/2004 18:53

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.2		25	92.8			65-165	20		
Benzene	22.7		25	90.8			69-129	20		
Toluene	23.1		25	92.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	456		500	91.2			76-130			
Toluene-d8	492		500	98.4			78-115			

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: 041025-WC1

98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/11/02-2A.68

LCS 2004/11/02-2A.68-026

Extracted: 11/02/2004

Analyzed: 11/02/2004 16:26

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.4		25	93.6			65-165	20		
Benzene	26.9		25	107.6			69-129	20		
Toluene	24.8		25	99.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471		500	94.2			76-130			
Toluene-d8	493		500	98.6			78-115			

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

Blaine Tech Services, Inc.

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San Jose, CA 95112-1105

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Project: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/11/03-1B.64

LCS 2004/11/03-1B.64-011

Extracted: 11/03/2004

Analyzed: 11/03/2004 07:11

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.6		25	82.4			65-165	20		
Benzene	20.5		25	82.0			69-129	20		
Toluene	21.1		25	84.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	435		500	87.0			76-130			
Toluene-d8	499		500	99.8			78-115			

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

Blaine Tech Services, Inc.

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

Project: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/11/03-1B.65

LCS 2004/11/03-1B.65-028

Extracted: 11/03/2004

Analyzed: 11/03/2004 07:28

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.1		25	104.4			65-165	20		
Benzene	23.8		25	95.2			69-129	20		
Toluene	23.4		25	93.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	429		500	85.8			76-130			
Toluene-d8	456		500	91.2			78-115			

Severn Trent Laboratories, Inc.

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

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

11/08/2004 14:00

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

Blaine Tech Services, Inc.

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

Project: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/02-2A.64

MS/MSD

Lab ID: 2004-10-0949 - 002

MS: 2004/11/02-2A.64-012

Extracted: 11/02/2004

Analyzed: 11/02/2004 21:12

Dilution: 1.00

MSD: 2004/11/02-2A.64-035

Extracted: 11/02/2004

Analyzed: 11/02/2004 21:35

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	22.0	25.9	ND	25	88.0	103.6	16.3	69-129	20		
Toluene	23.0	25.2	ND	25	92.0	100.8	9.1	70-130	20		
Methyl tert-butyl ether	23.6	27.0	ND	25	94.4	108.0	13.4	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	450	458		500	90.0	91.6		76-130			
Toluene-d8	509	503		500	101.8	100.6		78-115			

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

Blaine Tech Services, Inc.

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Project: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/02-2A.68

MW-1 >> MS

Lab ID: 2004-10-0831 - 001

MS: 2004/11/02-2A.68-046

Extracted: 11/02/2004

Analyzed: 11/02/2004 17:38

Dilution: 1.00

MSD: 2004/11/02-2A.68-047

Extracted: 11/02/2004

Analyzed: 11/03/2004 17:56

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	25.0	24.2	ND	25	100.0	96.8	3.3	65-165	20		
Benzene	25.9	27.4	ND	25	103.6	109.6	5.6	69-129	20		
Toluene	23.2	24.0	ND	25	92.8	96.0	3.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	512	508		500	102.4	101.6		76-130			
Toluene-d8	527	506		500	105.4	101.2		78-115			

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

Blaine Tech Services, Inc.

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Project: 041025-WC1
98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/03-1B.64

MS/MSD

Lab ID: 2004-11-0033 - 001

MS: 2004/11/03-1B.64-043

Extracted: 11/03/2004

Analyzed: 11/03/2004 09:43

Dilution: 1.00

MSD: 2004/11/03-1B.64-005

Extracted: 11/03/2004

Analyzed: 11/03/2004 10:05

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	20.2	22.5	ND	25	80.8	90.0	10.8	65-165	20		
Benzene	20.0	22.8	ND	25	80.0	91.2	13.1	69-129	20		
Toluene	20.3	22.6	ND	25	81.2	90.4	10.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	429	439		500	85.8	87.8		76-130			
Toluene-d8	497	503		500	99.4	100.6		78-115			

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

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98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/03-1B.65

MS/MSD

Lab ID: 2004-11-0034 - 001

MS: 2004/11/03-1B.65-001

Extracted: 11/03/2004

Analyzed: 11/03/2004 10:01

Dilution: 1.00

MSD: 2004/11/03-1B.65-025

Extracted: 11/03/2004

Analyzed: 11/03/2004 10:25

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	27.1	26.8	ND	25	108.4	107.2	1.1	65-165	20		
Benzene	22.6	24.2	ND	25	90.4	96.8	6.8	69-129	20		
Toluene	23.0	23.6	ND	25	92.0	94.4	2.6	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	432	427		500	86.4	85.4		76-130			
Toluene-d8	454	467		500	90.8	93.4		78-115			

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

Blaine Tech Services, Inc.

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Project: 041025-WC1

98995822

Received: 10/26/2004 15:27

Site: 29 Wildwood Avenue, Piedmont

Legend and Notes

Analysis Flag

L2

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

Result Flag

Q6

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

S6

Surrogate recoveries lower than acceptance limits.

WELL GAUGING DATA

Project # 041025-wci Date 10/25/04 Client Shell

Site 29 Wildwood Ave, Piedmont

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
Mw-1	4					3.60	13.12	↓	13.05
Mw-2	4					4.65	11.63		11.42
Mw-3	4					3.87	9.05		8.95
Mw-4	4					3.63	13.12		13.05
Mw-5	4					4.04	16.06		V

SHELL WELL MONITORING DATA SHEET

BTS #: 041025-WC1	Site: 29 Wildwood Ave., Piedmont
Sampler: WC	Date: 10/25/04
Well I.D.: MAW-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 11.63	Depth to Water (DTW): 4.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>ave</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ^{6.44} 6.05	

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

4.5 (Gals.) X 3 = 13.5 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1058	67.8	6.7	1477	71000	5	Black
1059	67.7	6.7	1422	>1000	10	"
1100	well	dewatered	@ 10 gal	DTW = 9.14		
1138	68.2	6.7	1452	>1000	-	Black

Did well dewater? Yes No Gallons actually evacuated: 10

Sampling Date: 10/25/04 Sampling Time: 1142 Depth to Water: 5.92

Sample I.D.: MAW-2 Laboratory: STB Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxy's, Ethanol, Bz 8260

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 041025-WC1	Site: 29 Wildwood Ave
Sampler: WC	Date: 10/25/04
Well I.D.: MW-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 13.12	Depth to Water (DTW): 3.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>Traffic grab</u>	

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

6.2 (Gals.) X <u>3</u> = <u>18.6</u> Gals.	
1 Case Volume Specified Volumes Calculated Volume	

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

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0930	65.5	5.9	1814	198	6.5	
0931	well dewatered @			10 gal.	DTW =	10.36 (Traffic)
0933	66.1	6.3	440	>1000	10 gal.	

Did well dewater? Yes No Gallons actually evacuated: 10 gal

Sampling Date: 10/25/04 Sampling Time: 939 Depth to Water: 10.36

Sample I.D.: MW-4 Laboratory: STL Other: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxy's, Ethanol, B, 8260

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Oxy's, Ethanol, B, 8260

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>041025-WC1</u>	Site: <u>29 Wildwood Ave., Piedmont</u>
Sampler: <u>WC</u>	Date: <u>10/25/04</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>16.06</u>	Depth to Water (DTW): <u>4.04</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>6.44</u> (Traffic goal)	

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

7.8 (Gals.) X 3 = 23.4 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1001	67.5	6.4	654.8	500	8	clear
1002	68.7	6.4	691.5	95	16	"
1004	69.4	6.4	708.6	18	24	"

Did well dewater? Yes No Gallons actually evacuated: 24

Sampling Date: 10/25/04 Sampling Time: 1009 Depth to Water: 6.74

Sample I.D.: MW-5 Laboratory: STB Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Acetone, Ethanol by 8260

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	2.21	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV