

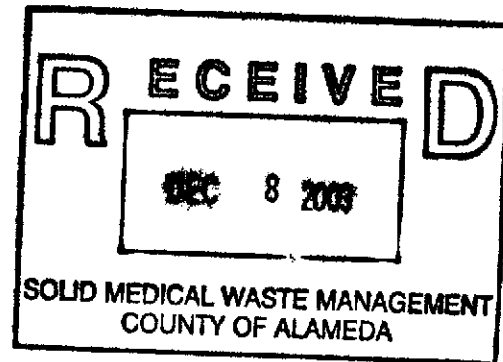


Shell Oil Products US

December 3, 2003

Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Shell-branded Service Station
11989 Dublin Boulevard
Dublin, California



Dear Ms. chu:

Attached for your review and comment is a copy of the *Groundwater Monitoring Report - Fourth Quarter 2003* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

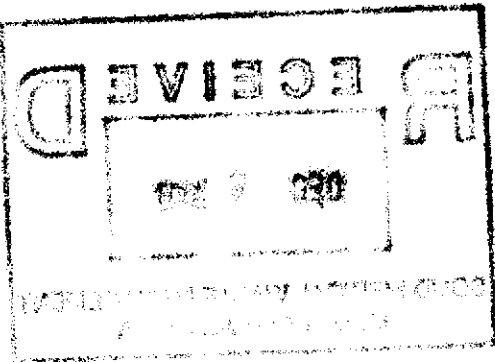
As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer



December 3, 2003

Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Groundwater Monitoring Report – Fourth Quarter 2003**
Shell-branded Service Station
11989 Dublin Road
Dublin, California
SAP Code 135243
Incident #: 98995328



Dear Ms. chu:

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 2003 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells and prepared a summary table of field gauging data and petroleum hydrocarbon and methyl tertiary butyl ether (MTBE) concentrations. Cambria prepared a fuel oxygenates data table (Table 1), a vicinity/area well survey map (Figure 1), and a groundwater contour/chemical concentration map (Figure 2). Blaine's report, presenting the laboratory report, is included as Appendix A.

ANTICIPATED FIRST QUARTER 2004 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample the site wells according to the existing sampling schedule and tabulate the data. Cambria will prepare a groundwater monitoring report.

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

270 Perkins Street
P.O. Box 259
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

C A M B R I A

HISTORICAL REMEDIATION SUMMARY

Previous site remediation was performed on a weekly basis from June 30 to August 19, 2003, by periodic groundwater extraction (GWE) from well MW-2. The program removed a total of 1,587 gallons of groundwater for an estimate of 0.079 pounds of total petroleum hydrocarbons as gasoline and 1.159 pounds of MTBE. MTBE concentration in MW-2 declined from 12,000 parts per billion (ppb) prior to periodic GWE to 4,800 ppb immediately after, and to 2,200 ppb one quarter later (Table 1).

CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 442-2700.

Sincerely,

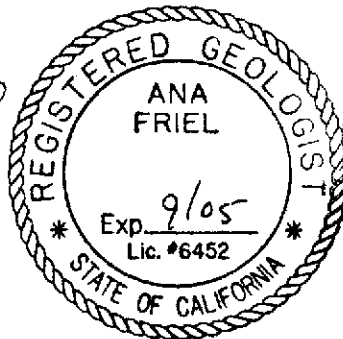
Cambria Environmental Technology, Inc.

Susan Kutarsky

for
Anne Wettstone
Staff Geologist

Ana Friel

Ana Friel, RG
Senior Project Geologist
RG# 6452



Attachments:

- Table 1. Groundwater Analytical Data – Oxygenates
- Figure 1. Vicinity/Area Well Survey Map
- Figure 2. Groundwater Contour/Chemical Concentration Map

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

cc: Karen Petryna, Shell Oil Products US

Table 1. Groundwater Analytical Data - Oxygenates, Shell-branded Service Station, 11989 Dublin Boulevard, Dublin, California

Sample	Date	MTBE µg/l	DIPE µg/l	ETBE µg/l	TAME µg/l	TBA µg/l	Ethanol µg/l
MW-2	26-Oct-01	9,200	<20	<20	<20	1,800	<500
MW-2	22-May-02	20,000	<50	<50	<50	6,300	NA
MW-2	15-Jul-02	16,000	<50	<50	<50	3,100	NA
MW-2	11-Oct-02	8,200	<20	<20	<20	1,600	NA
MW-2	17-Jan-03	13,000	<25	<25	<25	7,700	NA
MW-2	01-May-03	12,000	<200	<200	<200	6,700	NA
MW-2	27-Aug-03	4,800	<100	<100	<100	9,100	NA
MW-2	03-Oct-03	2,200	<50	<50	<50	9,900	NA
MW-3	26-Oct-01	680	<2.0	<2.0	<2.0	79	<500
MW-3	22-May-02	680	<2.0	<2.0	<2.0	58	NA
MW-3	15-Jul-02	520	<2.0	<2.0	<2.0	53	NA
MW-3	11-Oct-02	320	<2.0	<2.0	<2.0	330	NA
MW-3	17-Jan-03	150	<2.0	<2.0	<2.0	440	NA
MW-3	01-May-03	78	<2.0	<2.0	<2.0	300	NA
MW-3	27-Aug-03	52	<2.0	<2.0	<2.0	330	NA
MW-3	03-Oct-03	65	<2.0	<2.0	<2.0	520	NA
MW-4	22-May-02	3,200	<5.0	<5.0	<5.0	2,500	NA
MW-4	15-Jul-02	7,000	<20	<20	<20	2,000	NA
MW-4	11-Oct-02	2,900	<5.0	<5.0	<5.0	5,100	NA
MW-4	17-Jan-03	59	<2.5	<2.5	<2.5	7,000	NA
MW-4	01-May-03	73	<20	<20	<20	4,300	NA
MW-4	27-Aug-03	370	<40	<40	<40	11,000	NA
MW-4	03-Oct-03	190	<40	<40	<40	11,000	NA

Abbreviations:

µg/l = Micrograms per liter (Parts per billion)

<x = Not detected at reporting limit x

MTBE = Methyl tert-butyl ether, analyzed by EPA Method 8260

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

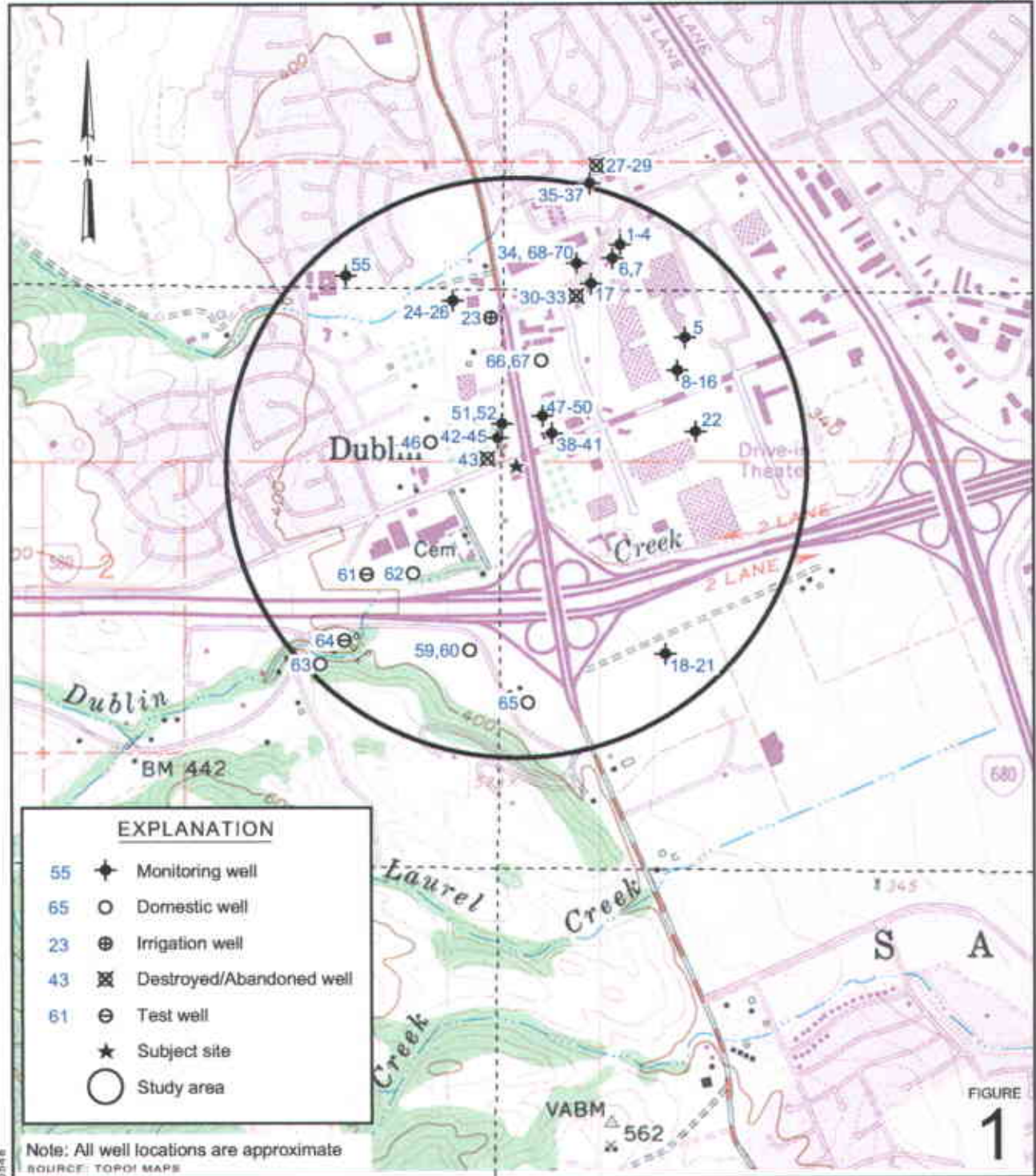
ETBE = Ethyl tert-butyl ether, analyzed by EPA Method 8260

TAME = Tert-amyl methyl ether, analyzed by EPA Method 8260

TBA = Tert-butyl alcohol, analyzed by EPA Method 8260

Ethanol analyzed by EPA Method 8260

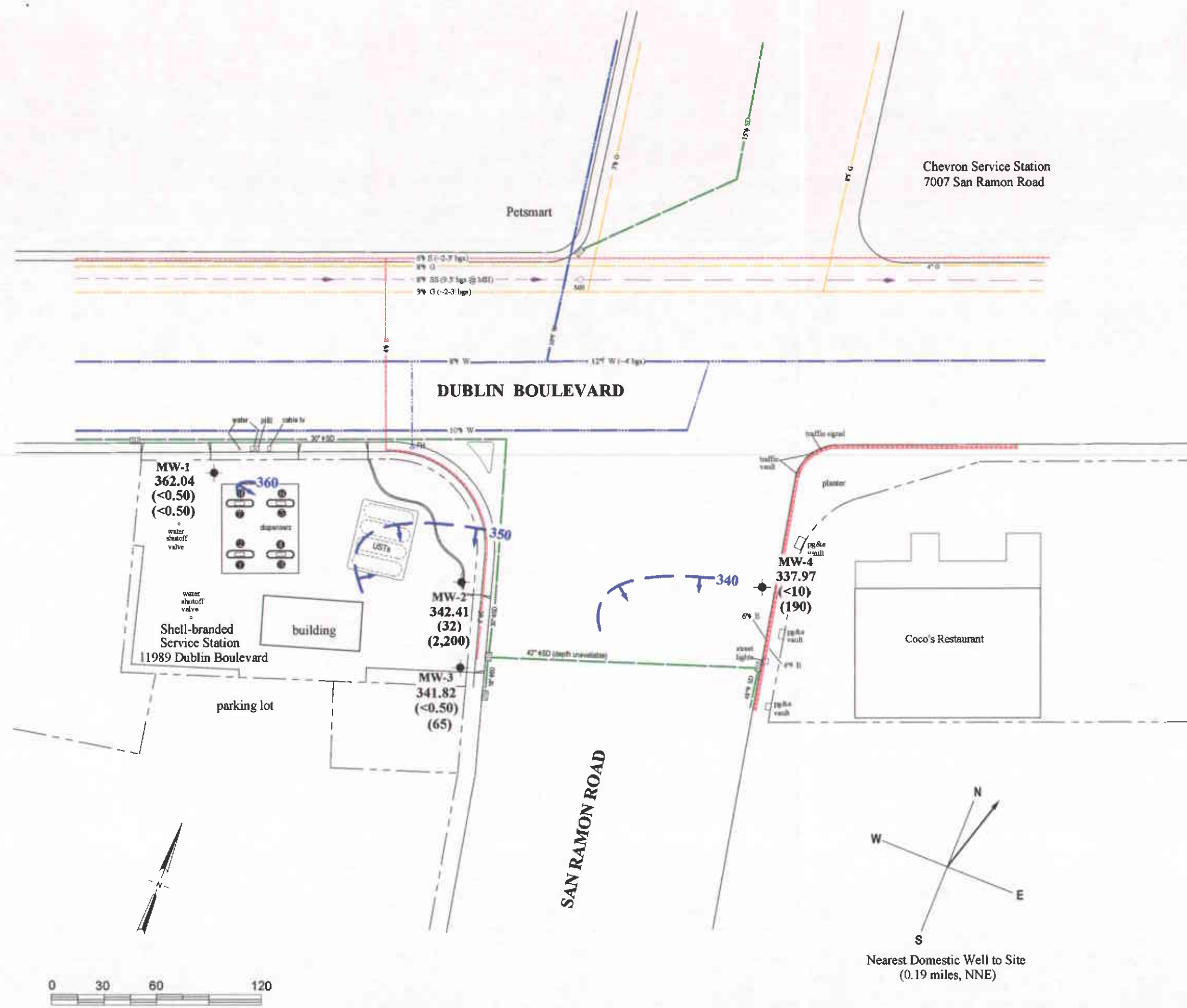
NA = Not analyzed



Shell-branded Service Station
 11989 Dublin Boulevard
 Dublin, California



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



EXPLANATION

- Monitoring well location
- Product dispenser number
- Fire Hydrant (FH)
- Manhole (MH)
- Storm drain inlet
- Utility depth below ground surface
- Flow direction indicator
- Gas line (G)
- Storm Drain line (SD)
- Water line (W)
- Sanitary Sewer line (SS)
- Electric line (E)
- Groundwater elevation contour in feet referenced to mean sea level (ft msl). Arrows indicate approximate groundwater flow direction
- 362.04 Groundwater elevation in ft msl
- <0.50 Benzene concentration in parts per billions (ppb)
- <0.50 MTBE concentration in ppb
- <x Not detected at reporting limit x
- Approximate hydraulic gradient = 0.09

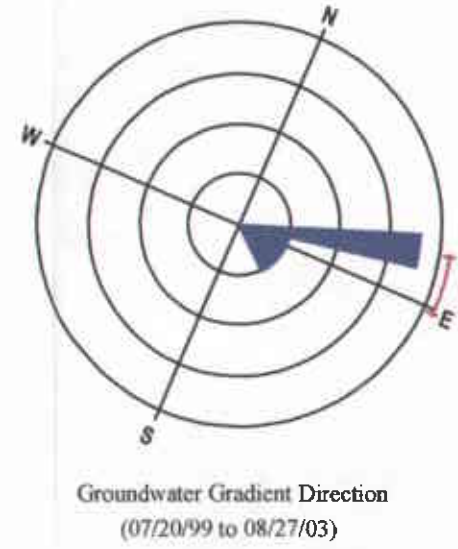
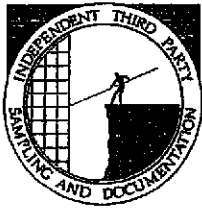


FIGURE 2

Appendix A

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

BLAINE
TECH SERVICES, INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

November 6, 2003

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

Fourth Quarter 2003 Groundwater Monitoring at
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Monitoring performed on October 3, 2003

Groundwater Monitoring Report 031003-MD-2

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/jt

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
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	D.O. Reading (ppm)
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MW-1	07/20/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	367.99	6.24	361.75	NA
MW-1	10/25/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	367.99	6.36	361.63	NA
MW-1	01/27/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.65	362.34	NA
MW-1	04/03/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.68	362.31	1.2/1.6
MW-1	07/27/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.69	362.30	1.0/1.1
MW-1	10/16/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.74	362.25	1.2/0.8
MW-1	01/16/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.71	362.28	0.59/2.8
MW-1	04/19/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.63	362.36	1.4/1.5
MW-1	07/13/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.70	362.29	2.3/3.1
MW-1	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	367.99	5.72	362.27	NA
MW-1	10/26/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.73	362.26	0.4/0.0
MW-1	01/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.55	362.44	5.4/2.0
MW-1	05/22/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.55	362.44	NA
MW-1	07/15/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.70	362.29	NA
MW-1	10/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.87	362.12	NA
MW-1	01/17/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.79	362.20	NA
MW-1	05/01/2003	52	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	367.99	5.61	362.38	NA
MW-1	08/27/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	367.99	5.84	362.15	NA
MW-1	10/03/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	367.99	5.95	362.04	NA

MW-2	07/20/1999	2,600	699	55.0	<2.50	59.5	<2.50	9,370	NA	365.43	20.31	345.12	NA
MW-2	10/25/1999	4,710	761	61.1	<10.0	74.6	<10.0	22,800	NA	365.43	22.80	342.63	NA
MW-2	01/27/2000	3,820	1490	60.8	<10.0	156	<10.0	13,400	15,000a	365.43	19.17	346.26	NA
MW-2	04/03/2000	7,130	NA	184	14.9	238	18.8	34,200	28,000	365.43	19.03	346.40	1.6/1.7
MW-2	07/27/2000	311	NA	10.0	<0.500	<0.500	<0.500	280	NA	365.43	19.09	346.34	1.9/1.7
MW-2	10/16/2000	3,970	NA	123	<5.00	68.5	<5.00	14,000	15,600	365.43	23.98	341.45	0.5/0.5
MW-2	01/16/2001	5,780	NA	125	9.71	139	6.93	7,660	7,810	365.43	22.12	343.31	0.90/2.61
MW-2	04/19/2001	4,460	NA	114	7.61	115	4.87	15,200	18,400	365.43	20.95	344.48	1.6/1.5

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	D.O. Reading (ppm)
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MW-2	07/13/2001	<5,000	NA	<25	<25	110	<25	NA	15,000	365.43	22.62	342.81	2.7/1.8
MW-2	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	365.43	22.33	343.10	NA
MW-2	10/26/2001	3,700	NA	<20	<20	66	<20	NA	9,200	365.43	22.32	343.11	0.7/0.8
MW-2	01/11/2002	<5,000	NA	<50	<50	54	<50	NA	15,000	365.43	18.72	346.71	5.1/c
MW-2	05/22/2002	<5,000	NA	53	<50	57	<50	NA	20,000	365.43	20.59	344.84	NA
MW-2	07/15/2002	<5,000	NA	<50	<50	<50	<50	NA	16,000	365.43	21.90	343.53	NA
MW-2	10/11/2002	3,600	NA	<20	<20	48	<20	NA	8,200	365.43	22.45	342.98	NA
MW-2	01/17/2003	4,700	NA	<25	<25	87	<25	NA	13,000	365.43	19.27	346.16	NA
MW-2	05/01/2003	6,000	NA	<50	<50	110	<100	NA	12,000	365.43	19.09	346.34	NA
MW-2	08/27/2003	2,500	NA	32	<25	100	<50	NA	4,800	365.43	22.53	342.90	NA
MW-2	10/03/2003	5,500 d	NA	32	<13	86	<25	NA	2,200	365.43	23.02	342.41	NA

MW-3	07/20/1999	208	177	4.69	<0.500	<0.500	<0.500	664	NA	364.97	24.23	340.74	NA
MW-3	10/25/1999	378	182	9.49	<0.500	<0.500	<0.500	1,410	NA	364.97	23.26	341.71	NA
MW-3	01/27/2000	428	100	29.4	<0.500	<0.500	<0.500	941	NA	364.97	19.53	345.44	NA
MW-3	04/03/2000	<125	NA	11.4	<1.25	<1.25	<1.25	639	NA	364.97	19.13	345.84	1.4/1.9
MW-3	07/27/2000	4,360	NA	78.4	6.95	85.8	2.61	26,600	25,200b	364.97	19.10	345.87	1.9/2.0
MW-3	10/16/2000	586	NA	21.3	<0.500	<0.500	<0.500	3,310	NA	364.97	24.11	340.86	1.1/0.8
MW-3	01/16/2001	558	NA	14.7	<0.500	<0.500	<0.500	2,210	NA	364.97	22.19	342.78	0.87/3.5
MW-3	04/19/2001	376	NA	9.08	<0.500	<0.500	<0.500	667	NA	364.97	20.96	344.01	1.7/1.4
MW-3	07/13/2001	370	NA	<2.0	<2.0	<2.0	<2.0	NA	670	364.97	22.77	342.20	3.1/4.8
MW-3	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	364.97	22.59	342.38	NA
MW-3	10/26/2001	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	680	364.97	22.81	342.16	1.0/3.2
MW-3	01/11/2002	480	NA	<2.0	<2.0	<2.0	<2.0	NA	830	364.97	18.88	346.09	1.1/3.2
MW-3	05/22/2002	570	NA	<1.0	<1.0	<1.0	<1.0	NA	680	364.97	20.75	344.22	NA
MW-3	07/15/2002	420	NA	1.1	<1.0	<1.0	1.1	NA	520	364.97	22.09	342.88	NA
MW-3	10/11/2002	730	NA	<0.50	<0.50	<0.50	<0.50	NA	320	364.97	22.68	342.29	NA
MW-3	01/17/2003	740	NA	<0.50	<0.50	<0.50	<0.50	NA	150	364.97	19.34	345.63	NA

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	D.O. Reading (ppm)
MW-3	05/01/2003	890	NA	<0.50	<0.50	<0.50	<1.0	NA	78	364.97	19.27	345.70	NA
MW-3	08/27/2003	920 d	NA	<0.50	<0.50	<0.50	<1.0	NA	52	364.97	22.73	342.24	NA
MW-3	10/03/2003	870 d	NA	<0.50	<0.50	<0.50	<1.0	NA	65	364.97	23.15	341.82	NA
MW-4	08/10/2001	NA	NA	NA	NA	NA	NA	NA	NA	364.01	25.63	338.38	NA
MW-4	08/13/2001	2,400	NA	<10	<10	<10	<10	NA	8,300	364.01	26.32	337.69	4.2/2.7
MW-4	10/26/2001	<2,000	NA	<20	<20	<20	<20	NA	8,600	364.01	26.02	337.99	3.1/2.8
MW-4	01/11/2002	<2,000	NA	<20	<20	<20	<20	NA	5,100	364.01	22.25	341.76	7.9/3.0
MW-4	05/22/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	3,200	364.01	23.96	340.05	NA
MW-4	07/15/2002	<2,500	NA	<20	<20	<20	<20	NA	7,000	363.97	25.18	338.79	NA
MW-4	10/11/2002	1,900	NA	<5.0	<5.0	<5.0	<5.0	NA	2,900	363.97	25.91	338.06	NA
MW-4	01/17/2003	580	NA	<2.5	<2.5	<2.5	<2.5	NA	59	363.97	22.38	341.59	NA
MW-4	05/01/2003	770	NA	<5.0	<5.0	<5.0	<10	NA	73	363.97	21.92	342.05	NA
MW-4	08/27/2003	<1,000	NA	<10	<10	<10	<20	NA	370	363.97	25.31	338.66	NA
MW-4	10/03/2003	<1,000	NA	<10	<10	<10	<20	NA	190	363.97	26.00	337.97	NA

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	D.O. Reading (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8020.

MTBE = Methyl-tertiary-butyl ether by EPA Method 8020.

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft = Feet

<n = Below detection limit

n/n = Pre-purge/Post-purge DO Readings

NA = Not applicable

Notes:

a = Sample was analyzed outside the EPA recommended holding time.

b = Concentration is an estimate.

c = D.O. meter malfunctioning.

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

Wells surveyed June 21, 1999, by Virgil Chavez Land Surveying of Vallejo, California.

Wells surveyed August 23, 2001, and February 18, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

Blaine Tech Services, Inc.

October 17, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 031003-MD2

Project: 98995328

Site: 11989 Dublin Boulevard, Dublin

Dear Mr. Gearhart,

Attached is our report for your samples received on 10/06/2003 13:20

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 11/20/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

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

Sincerely,



Vincent Vancil
Project Manager

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

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: 031003-MD2
98995328

Received: 10/06/2003 13:20

Site: 11989 Dublin Boulevard, Dublin

Samples Reported

Sample Name	Date/Time	Matrix	Count
MW-1	10/03/2003 13:50	Water	1
MW-2	10/03/2003 14:10	Water	2
MW-3	10/03/2003 14:00	Water	3
MW-4	10/03/2003 12:55	Water	4

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Sample ID	031003	ESTS	8260B
Sample ID	031003	ESTS	8260B
Sample ID	031003	ESTS	8260B
Sample ID	031003	ESTS	8260B

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/17/2003 03:27	
Benzene	ND	0.50	ug/L	1.00	10/17/2003 03:27	
Toluene	ND	0.50	ug/L	1.00	10/17/2003 03:27	
Ethylbenzene	ND	0.50	ug/L	1.00	10/17/2003 03:27	
Total xylenes	ND	1.0	ug/L	1.00	10/17/2003 03:27	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/17/2003 03:27	
Surrogate(s)						
1,2-Dichloroethane-d4	83.4	76-130	%	1.00	10/17/2003 03:27	
Toluene-d8	105.0	78-115	%	1.00	10/17/2003 03:27	

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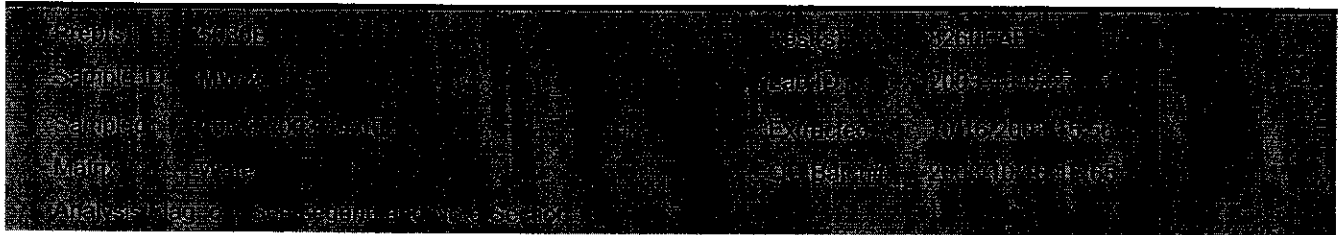
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Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	5500	1300	ug/L	25.00	10/16/2003 15:56	g
Benzene	32	13	ug/L	25.00	10/16/2003 15:56	
Toluene	ND	13	ug/L	25.00	10/16/2003 15:56	
Ethylbenzene	86	13	ug/L	25.00	10/16/2003 15:56	
Total xylenes	ND	25	ug/L	25.00	10/16/2003 15:56	
tert-Butyl alcohol (TBA)	9900	130	ug/L	25.00	10/16/2003 15:56	
Methyl tert-butyl ether (MTBE)	2200	13	ug/L	25.00	10/16/2003 15:56	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	25.00	10/16/2003 15:56	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	25.00	10/16/2003 15:56	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	25.00	10/16/2003 15:56	
Surrogate(s)						
1,2-Dichloroethane-d4	98.4	76-130	%	25.00	10/16/2003 15:56	
Toluene-d8	98.1	78-115	%	25.00	10/16/2003 15:56	

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Project:	031003-MD2	Analysis:	8260B (C6-C12)
Sample ID:	1115	Sample:	031003-1115
Submitter:	00000035-0110	Extractor:	00000035-0110
MRB:	NAIS	Operator:	00000035-0110

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	870	50	ug/L	1.00	10/16/2003 16:18	g
Benzene	ND	0.50	ug/L	1.00	10/16/2003 16:18	
Toluene	ND	0.50	ug/L	1.00	10/16/2003 16:18	
Ethylbenzene	ND	0.50	ug/L	1.00	10/16/2003 16:18	
Total xylenes	ND	1.0	ug/L	1.00	10/16/2003 16:18	
tert-Butyl alcohol (TBA)	520	5.0	ug/L	1.00	10/16/2003 16:18	
Methyl tert-butyl ether (MTBE)	65	0.50	ug/L	1.00	10/16/2003 16:18	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/16/2003 16:18	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/16/2003 16:18	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/16/2003 16:18	
Surrogate(s)						
1,2-Dichloroethane-d4	92.4	76-130	%	1.00	10/16/2003 16:18	
Toluene-d8	100.0	78-115	%	1.00	10/16/2003 16:18	

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Site: 11989 Dublin Boulevard, Dublin



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/L	20.00	10/17/2003 13:39	
Benzene	ND	10	ug/L	20.00	10/17/2003 13:39	
Toluene	ND	10	ug/L	20.00	10/17/2003 13:39	
Ethylbenzene	ND	10	ug/L	20.00	10/17/2003 13:39	
Total xylenes	ND	20	ug/L	20.00	10/17/2003 13:39	
tert-Butyl alcohol (TBA)	11000	100	ug/L	20.00	10/17/2003 13:39	
Methyl tert-butyl ether (MTBE)	190	10	ug/L	20.00	10/17/2003 13:39	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	20.00	10/17/2003 13:39	
Ethyl tert-butyl ether (ETBE)	ND	40	ug/L	20.00	10/17/2003 13:39	
tert-Amyl methyl ether (TAME)	ND	40	ug/L	20.00	10/17/2003 13:39	
Surrogate(s)						
1,2-Dichloroethane-d4	107.6	76-130	%	20.00	10/17/2003 13:39	
Toluene-d8	105.0	78-115	%	20.00	10/17/2003 13:39	

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Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/16/2003 10:05	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/16/2003 10:05	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/16/2003 10:05	
Di-Isopropyl Ether (DIPE)	ND	2.0	ug/L	10/16/2003 10:05	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/16/2003 10:05	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/16/2003 10:05	
Benzene	ND	0.5	ug/L	10/16/2003 10:05	
Toluene	ND	0.5	ug/L	10/16/2003 10:05	
Ethylbenzene	ND	0.5	ug/L	10/16/2003 10:05	
Total xylenes	ND	1.0	ug/L	10/16/2003 10:05	
Surrogates(s)					
1,2-Dichloroethane-d4	94.6	76-130	%	10/16/2003 10:05	
Toluene-d8	108.8	78-115	%	10/16/2003 10:05	

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Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/16/2003 21:24	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/16/2003 21:24	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/16/2003 21:24	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/16/2003 21:24	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/16/2003 21:24	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/16/2003 21:24	
Benzene	ND	0.5	ug/L	10/16/2003 21:24	
Toluene	ND	0.5	ug/L	10/16/2003 21:24	
Ethylbenzene	ND	0.5	ug/L	10/16/2003 21:24	
Total xylenes	ND	1.0	ug/L	10/16/2003 21:24	
Surrogates(s)					
1,2-Dichloroethane-d4	91.6	76-130	%	10/16/2003 21:24	
Toluene-d8	95.8	78-115	%	10/16/2003 21:24	

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Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/17/2003 10:46	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/17/2003 10:46	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/17/2003 10:46	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/17/2003 10:46	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/17/2003 10:46	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/17/2003 10:46	
Benzene	ND	0.5	ug/L	10/17/2003 10:46	
Toluene	ND	0.5	ug/L	10/17/2003 10:46	
Ethylbenzene	ND	0.5	ug/L	10/17/2003 10:46	
Total xylenes	ND	1.0	ug/L	10/17/2003 10:46	
Surrogates(s)					
1,2-Dichloroethane-d4	102.8	76-130	%	10/17/2003 10:46	
Toluene-d8	103.8	78-115	%	10/17/2003 10:46	

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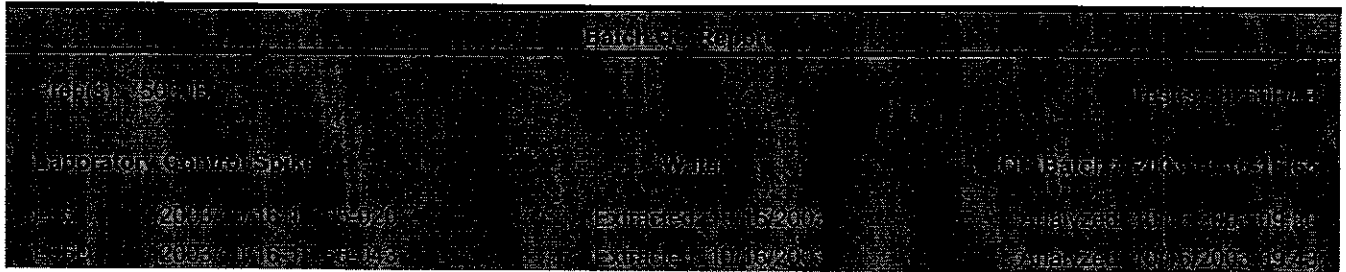
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Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.7	18.9	25	90.8	75.6	18.3	65-165	20		
Benzene	23.2	24.3	25	92.8	97.2	4.6	69-129	20		
Toluene	25.9	24.4	25	103.6	97.6	6.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	455	461	500	91.0	92.2		76-130			
Toluene-d8	528	517	500	105.6	103.4		78-115			

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

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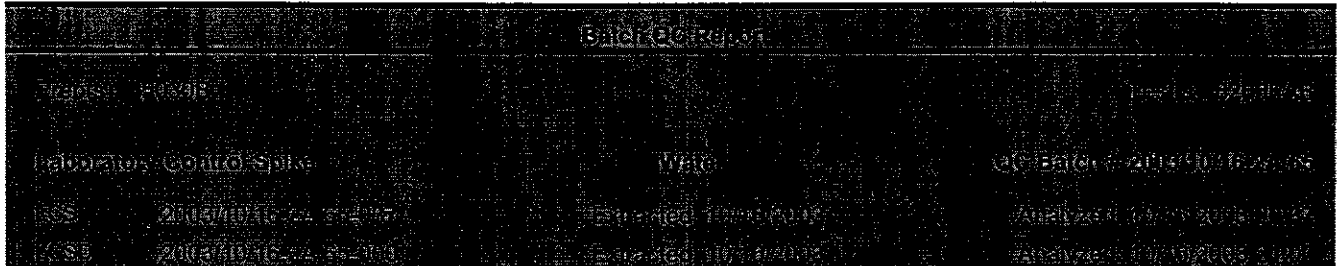
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Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	22.7	27.3	25	90.8	109.2	18.4	65-165	20		
Benzene	26.2	28.5	25	104.8	114.0	8.4	69-129	20		
Toluene	27.6	27.7	25	110.4	110.8	0.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	481	492	500	96.2	98.4		76-130			
Toluene-d8	544	483	500	108.8	96.6		78-115			

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Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.3	23.7	25	101.2	94.8	6.5	65-165	20		
Benzene	24.6	23.3	25	98.4	93.2	5.4	69-129	20		
Toluene	25.1	24.1	25	100.4	96.4	4.1	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	459	470	500	91.8	94.0		76-130			
Toluene-d8	519	504	500	103.8	100.8		78-115			

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Analysis Flag

o

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

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

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