Shell Oil Products US

July 22, 2003

Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Shell-branded Service Station**
4226 First Street
Pleasanton, California

Dear Mr. Seery:

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

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

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

P.O. Box 7869 Burbank, CA 91510-7869 Phone (559) 645-9306 Facsimile (559) 645-5643

CAMBRIA

July 22, 2003

Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Second Quarter 2003 Monitoring Report**
Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840
Cambria Project #245-0523-002

Dear Mr. Seery:

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

SECOND QUARTER 2003 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a site vicinity map (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.

ANTICIPATED THIRD QUARTER 2003 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample all site wells and tabulate the data. Cambria will prepare a monitoring report.

Oxygen Releasing Compound (ORC): Cambria will oversee ORC installation in wells MW-1 and MW-2 to enhance natural biological degradation of hydrocarbons.

Cambria Environmental Technology, Inc.

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

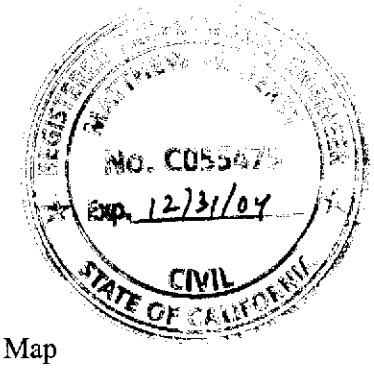
CLOSING

We appreciate the opportunity to work with you on this project. Please call Matt Derby at (510) 420-3332 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Anni Kreml
Senior Staff Scientist

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

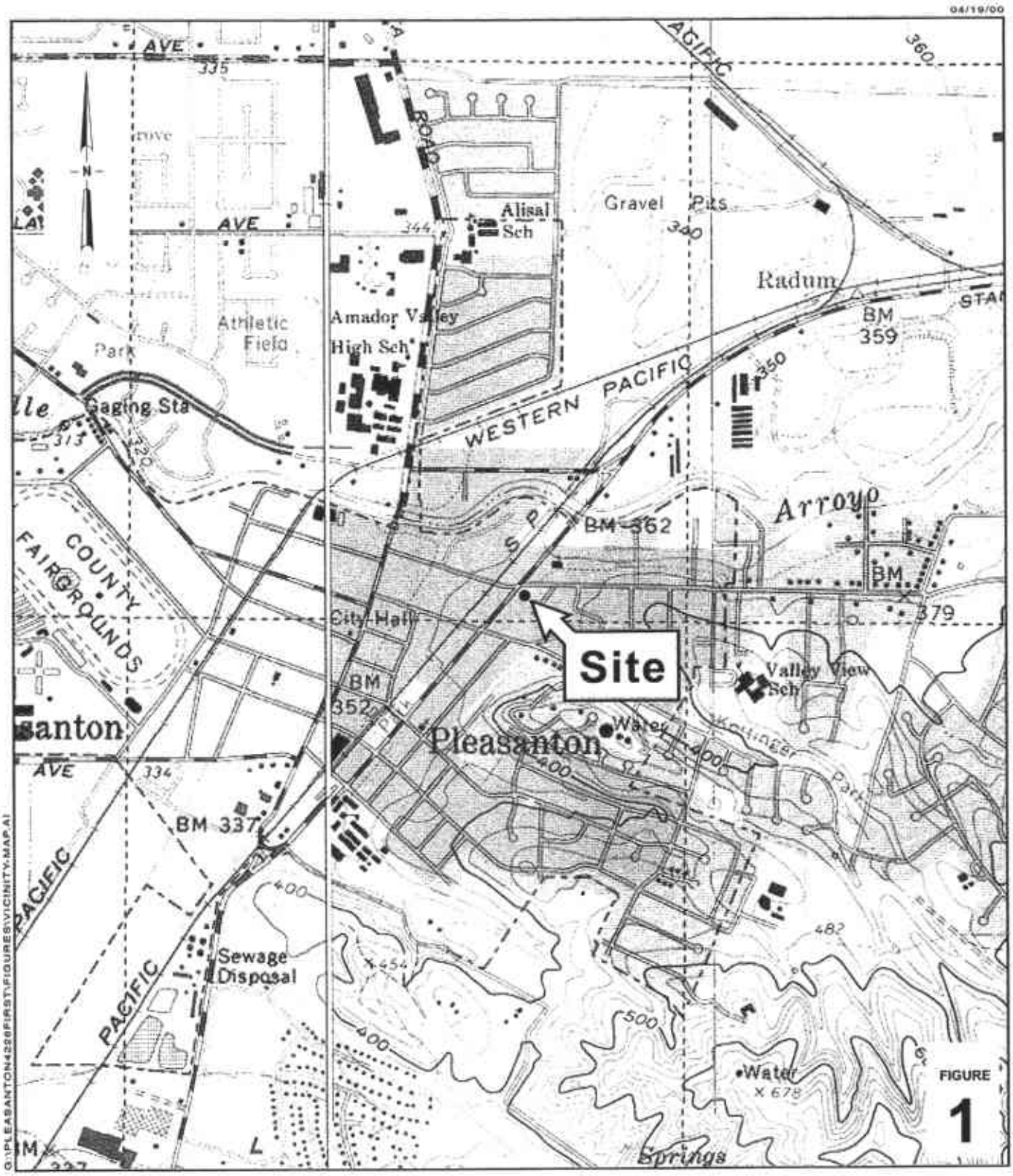


Figures: 1 - Vicinity Map
2 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, CA 91510-7869
Douglas E & Mary M Safreno, 1627 Vineyard Avenue, Pleasanton, CA 94566-6389

G:\Pleasanton 4226 First\Qm\2q03\2q03qm.doc



Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840

CAMBRIA

Vicinity Map

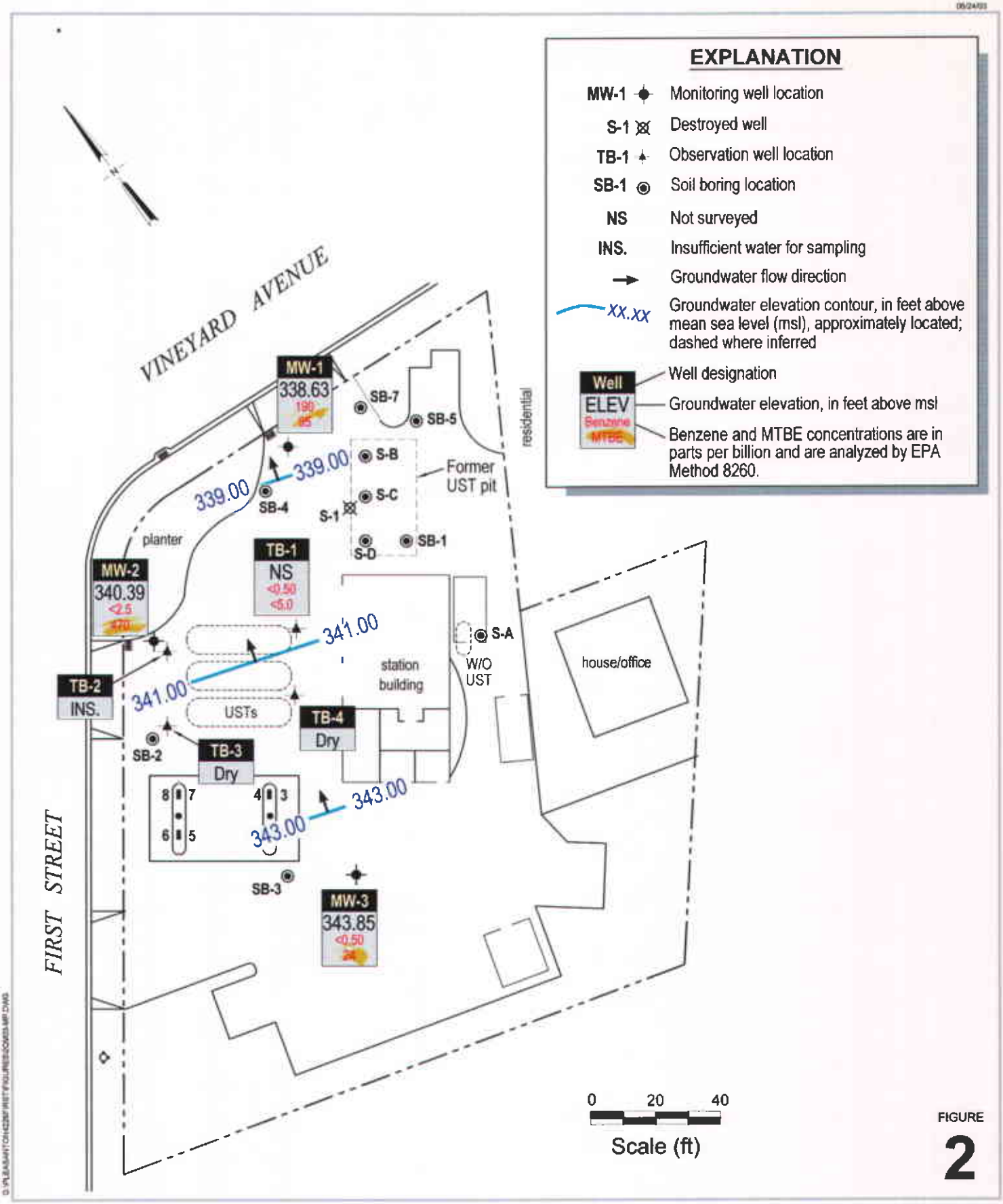


FIGURE
2

Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840

CAMBRIA

Groundwater Elevation Contour Map

May 14, 2003

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

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

June 18, 2003

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

Second Quarter 2003 Groundwater Monitoring at
Shell-branded Service Station
4226 First Street
Pleasanton, CA

Monitoring performed on May 14, 2003

Groundwater Monitoring Report **030514-BA-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: Anni Kreml
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Oakland, CA 94608

WELL CONCENTRATIONS
Shell-branded Service Station
4226 First Street
Pleasanton, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	06/16/1999	NA	NA	NA	NA	NA	NA	NA	371.20	37.81	333.39
MW-1	06/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	NA	371.20	33.65	337.55
MW-1	09/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	NA	371.20	37.04	334.16
MW-1	12/08/1999	1,020	375	<5.00	<5.00	15.2	<50.0	NA	371.20	36.79	334.41
MW-1	02/10/2000	523	106	<5.00	<5.00	31.8	2.90	NA	371.20	34.90	336.30
MW-1	05/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	37.0	29.5	371.20	32.55	338.65
MW-1	08/03/2000	808	290	<2.50	<2.50	8.90	<12.5	NA	371.20	39.13	332.07
MW-1	10/31/2000	507	250	0.962	<0.500	23.5	3.76	NA	371.20	37.91	333.29
MW-1	03/01/2001	<50.0	<0.500	<0.500	<0.500	<0.500	74.6	NA	371.20	39.60	331.60
MW-1	05/30/2001	780	280	<2.0	<2.0	11	NA	<2.0	371.20	39.53	331.67
MW-1	08/02/2001	1,900	580	<2.5	<2.5	12	NA	<25	371.20	39.61	331.59
MW-1	12/06/2001	840	190	<0.50	<0.50	13	NA	<5.0	371.20	39.63	331.57
MW-1	02/05/2002	2,700	650	<2.5	<2.5	7.2	NA	<25	371.20	35.53	335.67
MW-1	06/17/2002	2,500	550	<2.0	<2.0	5.9	NA	<20	371.20	39.29	331.91
MW-1	07/25/2002	690	130	<0.50	<0.50	4.4	NA	18	371.20	39.39	331.81
MW-1	11/14/2002	400	31	<0.50	<0.50	2.7	NA	27	371.20	40.00	331.20
MW-1	02/12/2003	840	0.85	<0.50	<0.50	<0.50	NA	40	371.20	32.92	338.28
MW-1	**05/14/2003**	**680**	**190**	**<2.5**	**<2.5**	**<5.0**	**NA**	**95**	**371.20**	**32.57**	**338.63**
MW-2	02/03/2000	NA	NA	NA	NA	NA	NA	NA	372.40	32.65	339.75
MW-2	02/07/2000	NA	NA	NA	NA	NA	NA	NA	372.40	35.51	336.89
MW-2	02/10/2000	<50.0	<0.500	<0.500	<0.500	<0.500	2.61	NA	372.40	36.62	335.78
MW-2	05/17/2000	120	4.09	<0.500	<0.500	<0.500	29.0	NA	372.40	32.14	340.26
MW-2	08/03/2000	<50.0	0.692	<0.500	<0.500	<0.500	40.5	36.6b	372.40	32.42	339.98
MW-2	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	57.4	44.8c	372.40	33.02	339.38
MW-2	03/01/2001	173	1.64	1.65	2.86	3.97	127	167	372.40	32.54	339.86
MW-2	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	372.40	32.42	339.98
MW-2	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	160	372.40	32.55	339.85
MW-2	12/06/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	372.40	33.15	339.25

WELL CONCENTRATIONS
Shell-branded Service Station
4226 First Street
Pleasanton, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	02/05/2002	<50	0.72	<0.50	<0.50	1.7	NA	170	372.40	32.29	340.11
MW-2	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	260	372.40	32.63	339.77
MW-2	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	280	372.40	32.80	339.60
MW-2	11/14/2002	120	13	9.0	3.8	14	NA	430	372.40	33.31	339.09
MW-2	02/12/2003	<100	<1.0	<1.0	<1.0	<1.0	NA	430	372.40	32.15	340.25
MW-2	**05/14/2003**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**470**	**372.40**	**32.01**	**340.39**
MW-3	02/03/2000	NA	NA	NA	NA	NA	NA	NA	375.05	32.06	342.99
MW-3	02/07/2000	NA	NA	NA	NA	NA	NA	NA	375.05	32.57	342.48
MW-3	02/10/2000	180	5.12	<0.500	<0.500	0.714	26.8	21.5a	375.05	32.77	342.28
MW-3	05/17/2000	1,360	414	<5.00	<5.00	17.6	<25.0	NA	375.05	31.00	344.05
MW-3	08/03/2000	<50.0	0.536	<0.500	<0.500	<0.500	22.0	NA	375.05	31.03	344.02
MW-3	10/31/2000	<50.0	<0.500	<0.500	<0.500	<0.500	31.1	NA	375.05	31.28	343.77
MW-3	03/01/2001	384	172	0.815	<0.500	8.00	5.16	NA	375.05	31.21	343.84
MW-3	05/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	110	375.05	31.02	344.03
MW-3	08/02/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	93	375.05	30.94	344.11
MW-3	12/06/2001	110	<0.50	<0.50	<0.50	2.3	NA	180	375.05	31.28	343.77
MW-3	02/05/2002	<50	0.89	0.60	<0.50	2.1	NA	130	375.05	31.12	343.93
MW-3	06/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	72	375.05	31.21	343.84
MW-3	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	81	375.05	30.96	344.09
MW-3	11/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	60	375.05	31.44	343.61
MW-3	02/12/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	43	375.05	31.28	343.77
MW-3	**05/14/2003**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**24**	**375.05**	**31.20**	**343.85**
TB-1	02/12/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA
TB-1	02/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	12.54	NA
TB-1	**05/14/2003**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**NA**	**12.31**	**NA**
TB-2	02/12/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
4226 First Street
Pleasanton, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
TB-2	02/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	12.56	NA
TB-2	**05/14/2003**	**Insufficient water**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**12.54**	**NA**
TB-3	02/12/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-3	02/28/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-3	**05/14/2003**	**Well dry**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
TB-4	02/12/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	02/28/2003	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	**05/14/2003**	**Well dry**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 30, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 30, 2001, analyzed by EPA Method 8020.
MTBE = Methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft = Feet
<n = Below detection limit
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
4226 First Street
Pleasanton, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Notes:

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

b = Concentration is an estimate value above the linear quantitation range.

c = The result reported was generated out of time. The sample was originally run within hold time, but needed to be re-analyzed.

Well MW-1 surveyed on May 4, 1999, by Virgil Chavez Land Surveying of Vallejo, California.

Site surveyed on March 19, 2000, by Virgil Chavez Land Surveying of Vallejo, California.

Site surveyed on January 15, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

SEVERN TRENT STL

Submission#: 2003-05-0435

Blaine Tech Services, Inc.

May 29, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

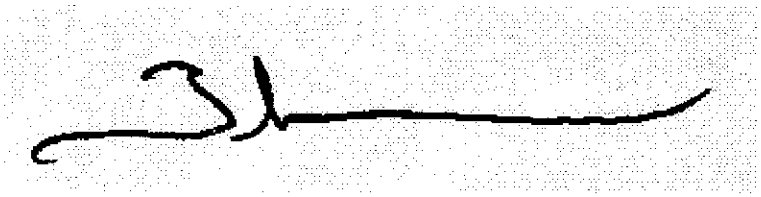
Project#: BTS# 030514-BA2
Project: Shell Incident Number 98995840
Site: 4226 First Street
Pleasanton

Dear Mr.Gearhart,

Attached is our report for your samples received on 05/15/2003 15:44
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 06/29/2003 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: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

SEVERN TRENT STL

Submission #: 2003-05-0435

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/14/2003 15:25	Water	1
MW-2	05/14/2003 15:05	Water	2
MW-3	05/14/2003 14:50	Water	3
TB-1	05/14/2003 12:15	Water	4

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-1**	Lab ID:	2003-05-0435 - 1
Sampled:	05/14/2003 15:25	Extracted:	5/28/2003 11:58
Matrix:	Water	QC Batch#:	2003/05/28-1a.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	680	250	ug/L	5.00	05/28/2003 11:58	
Benzene	190	2.5	ug/L	5.00	05/28/2003 11:58	
Toluene	ND	2.5	ug/L	5.00	05/28/2003 11:58	
Ethylbenzene	ND	2.5	ug/L	5.00	05/28/2003 11:58	
Total xylenes	ND	5.0	ug/L	5.00	05/28/2003 11:58	
Methyl tert-butyl ether (MTBE)	95	25	ug/L	5.00	05/28/2003 11:58	
Surrogates(s)						
1,2-Dichloroethane-d4	112.3	76-130	%	5.00	05/28/2003 11:58	
Toluene-d8	100.7	78-115	%	5.00	05/28/2003 11:58	

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-2**	Lab ID:	2003-05-0435 - 2
Sampled:	05/14/2003 15:05	Extracted:	5/28/2003 12:20
Matrix:	Water	QC Batch#:	2003/05/28-1a.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	05/28/2003 12:20	
Benzene	ND	2.5	ug/L	5.00	05/28/2003 12:20	
Toluene	ND	2.5	ug/L	5.00	05/28/2003 12:20	
Ethylbenzene	ND	2.5	ug/L	5.00	05/28/2003 12:20	
Total xylenes	ND	5.0	ug/L	5.00	05/28/2003 12:20	
Methyl tert-butyl ether (MTBE)	470	25	ug/L	5.00	05/28/2003 12:20	
Surrogates(s)						
1,2-Dichloroethane-d4	109.4	76-130	%	5.00	05/28/2003 12:20	
Toluene-d8	102.7	78-115	%	5.00	05/28/2003 12:20	

SEVERN TRENT STL

Submission #: 2003-05-0435

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**MW-3**	Lab ID:	2003-05-0435 - 3
Sampled:	05/14/2003 14:50	Extracted:	5/28/2003 12:43
Matrix:	Water	QC Batch#:	2003/05/28-1a.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/28/2003 12:43	
Benzene	ND	0.50	ug/L	1.00	05/28/2003 12:43	
Toluene	ND	0.50	ug/L	1.00	05/28/2003 12:43	
Ethylbenzene	ND	0.50	ug/L	1.00	05/28/2003 12:43	
Total xylenes	ND	1.0	ug/L	1.00	05/28/2003 12:43	
Methyl tert-butyl ether (MTBE)	24	5.0	ug/L	1.00	05/28/2003 12:43	
Surrogates(s)						
1,2-Dichloroethane-d4	106.2	76-130	%	1.00	05/28/2003 12:43	
Toluene-d8	104.8	78-115	%	1.00	05/28/2003 12:43	

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	**TB-1**	Lab ID:	2003-05-0435 - 4
Sampled:	05/14/2003 12:15	Extracted:	5/23/2003 17:29
Matrix:	Water	QC Batch#:	2003/05/23-1d.27

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/23/2003 17:29	
Benzene	ND	0.50	ug/L	1.00	05/23/2003 17:29	
Toluene	ND	0.50	ug/L	1.00	05/23/2003 17:29	
Ethylbenzene	ND	0.50	ug/L	1.00	05/23/2003 17:29	
Total xylenes	ND	1.0	ug/L	1.00	05/23/2003 17:29	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/23/2003 17:29	
Surrogates(s)						
1,2-Dichloroethane-d4	107.3	76-130	%	1.00	05/23/2003 17:29	
Toluene-d8	102.3	78-115	%	1.00	05/23/2003 17:29	

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2003/05/23-1d.27**

MB: 2003/05/23-1d.27-005 — Date Extracted: 05/23/2003 15:25

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/23/2003 15:25	
Benzene	ND	0.5	ug/L	05/23/2003 15:25	
Toluene	ND	0.5	ug/L	05/23/2003 15:25	
Ethylbenzene	ND	0.5	ug/L	05/23/2003 15:25	
Total xylenes	ND	1.0	ug/L	05/23/2003 15:25	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	05/23/2003 15:25	
Surrogates(s)					
1,2-Dichloroethane-d4	107.4	76-130	%	05/23/2003 15:25	
Toluene-d8	99.6	78-115	%	05/23/2003 15:25	

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Method Blank — **Water** — **QC Batch # 2003/05/28-1a.64**

MB: 2003/05/28-1a.64-003 — Date Extracted: 05/28/2003 11:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/28/2003 11:30	
Benzene	ND	0.5	ug/L	05/28/2003 11:30	
Toluene	ND	0.5	ug/L	05/28/2003 11:30	
Ethylbenzene	ND	0.5	ug/L	05/28/2003 11:30	
Total xylenes	ND	1.0	ug/L	05/28/2003 11:30	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	05/28/2003 11:30	
Surrogates(s)					
1,2-Dichloroethane-d4	100.6	76-130	%	05/28/2003 11:30	
Toluene-d8	101.8	78-115	%	05/28/2003 11:30	

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260FAB

Laboratory Control Spike **Water** **QC Batch # 2003/05/23-1d.27**

LCS 2003/05/23-1d.27-003 Extracted: 05/23/2003 Analyzed: 05/23/2003 14:33
LCSD 2003/05/23-1d.27-004 Extracted: 05/23/2003 Analyzed: 05/23/2003 15:03

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	25.7	25.3	25	102.8	101.2	1.6	69-129	20		
Toluene	25.5	25.2	25	102.0	100.8	1.2	70-130	20		
Methyl tert-butyl ether (MTBE)	26.6	29.9	25	106.4	119.6	11.7	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	522	545	500	104.4	109.0		76-130			
Toluene-d8	489	486	500	97.8	97.2		78-115			

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Laboratory Control Spike — **Water** — **QC Batch # 2003/05/28-1a.64**

LCS 2003/05/28-1a.64-002 — Extracted: 05/28/2003 — Analyzed: 05/28/2003 10:46
LCSD 2003/05/28-1a.64-001 — Extracted: 05/28/2003 — Analyzed: 05/28/2003 11:08

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	26.4	26.4	25	105.6	105.6	0.0	69-129	20		
Toluene	26.1	26.4	25	104.4	105.6	1.1	70-130	20		
Methyl tert-butyl ether (MTBE)	28.8	27.1	25	115.2	108.4	6.1	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	506	495	500	101.2	99.0		76-130			
Toluene-d8	517	512	500	103.4	102.4		78-115			

SEVERN TRENT STL

Submission #: 2003-05-0435

Gas/BTEX/MTBE 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: BTS# 030514-BA2
Shell Incident Number 98995840

Received: 05/15/2003 15:44

Site: 4226 First Street
Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Matrix Spike (MS / MSD) — **Water** — **QC Batch # 2003/05/23-1d.27**

EFF >> MS

MS: 2003/05/23-1d.27-022 — Extracted: 05/23/2003 — Lab ID: 2003-05-0648 - 001 — Analyzed: 05/23/2003 21:56 — Dilution: 1.00

MSD: 2003/05/23-1d.27-023 — Extracted: 05/23/2003 — Analyzed: 05/23/2003 22:18 — Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	25.5	25.8	ND	25	102.0	103.2	1.2	69-129	20		
Toluene	26.3	25.9	ND	25	105.2	103.6	1.5	70-130	20		
Methyl tert-butyl ether	26.7	26.3	ND	25	106.8	105.2	1.5	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	498	501		500	99.6	100.2		76-130			
Toluene-d8	481	482		500	96.2	96.3		78-115			

LAB: STL SAN FRANCISCO

SHELL Chain Of Custody Record

74254

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

Shell Project Manager to be invoiced:
☒ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2003-05-0435

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 8 4 0

SAP or CRMT NUMBER (TS/CRMT):

DATE: 5/14/03

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 4226 First Street, Pleasanton	GLOBAL ID NO.: T0600101259
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml	PHONE NO.: 510-420-3335
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		E-MAIL: ShellOaklandEDF@cambria-env.com	CONSULTANT PROJECT NO.: 030514-BA2; BTS #
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com	SAMPLER NAME(S) (Print): BRIAN ALCORN

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

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

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	5/14	1525	W	3	X	X	X								
	MW-2	↓	1505	↓	↓	X	X	X								
	MW-3	↓	1450	↓	↓	X	X	X								
	TB-1	↓	1215	↓	2	X	X	X								

TEMPERATURE ON RECEIPT C°: 2.0°C

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature]	5/15/03	1544
[signature] 5/15/03 1834			
	Nouna K. STL-SF	5/15/03	1854

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

10/16/00 Revision

WELL GAUGING DATA

Project # 030514-BA2 Date 5/14/03 Client SHELL

Site 4226 FIRST ST, PLEASANTON

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	
TB-1	4					12.31	12.73	TOC	
TB-2	12					12.54	12.68		
TB-3	4					DRY	13.28		
TB-4	12					DRY	12.64		
MW-1	2					32.57	57.22		
MW-2	4					32.01	45.87		
MW-3	4					31.20	54.61		

SHELL WELL MONITORING DATA SHEET

BTS #: 030514-BA2	Site: 4226 First St, Pleasanton
Sampler: Brian Alcorn	Date: 5/14/03
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 57.22	Depth to Water (DTW): 32.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.50	

Purge Method: Bailer, Disposable Bailer, (Middleburg), Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other____

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

4.0 (Gals.) X 3 = 120 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1320	67.1	6.7	1,731	21	4.0	clear, mild odor
1324	67.6	6.5	1,834	196	8.0	cloudy gray.
1328	67.2	6.7	1,757	220	12.0	" DTW 52.95

Did well dewater? Yes (No) Gallons actually evacuated: 12

Sampling Date: 5/14/03 Sampling Time: 1525 Depth to Water: 43.64

Sample I.D.: MW-1 Laboratory: (STL) Other____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030514-BA2	Site: 4226 First St, Pleasanton
Sampler: Brian Alcorn	Date: 5/14/03
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 45.87	Depth to Water (DTW): 32.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.78	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible (circled), Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: (Bailer) (circled), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

9.0 (Gals.) X	3	=	27.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1302	68.9	7.0	1,245	22	9.0	clear, odor
1303	69.3	6.7	1,243	35	18.0	"
1304*	69.3	6.7	1,253	15	27.0	" DTW 43.37

Did well dewater? Yes (No)		Gallons actually evacuated: 27	
Sampling Date: 5/14/03	Sampling Time: 1505	Depth to Water: 41.40	
Sample I.D.: MW-2		Laboratory: (STL) Other_____	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 030514-BA2	Site: 4226 First St. Pleasanton
Sampler: Brian Alcorn	Date: 5/14/03
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.61	Depth to Water (DTW): 31.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.88	

Purge Method: Bailer; Disposable Bailer; (Middleburg); Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

2.25 (Gals.) X	3	=	6.75 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1248	67.8	7.1	967	19	2.25	clear
1251	Well Dewatered				3.25	DTW 32.85
1450	69.4	6.9	992	105	—	

Did well dewater? (Yes) No Gallons actually evacuated: 3.25

Sampling Date: 5/14/03 Sampling Time: 1450 Depth to Water: 32.98

Sample I.D.: MW-3 Laboratory: (STL) Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030514-BA2	Site: 4226 First St, Pleasanton
Sampler: Brian Alcorn	Date: 5/14/03
Well I.D.: TB-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 12.73	Depth to Water (DTW): 12.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other____

Sampling Method: (Bailer) / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1215	Insufficient Water - Filled one VOA before dewatering well					
1415	Returned to well - Unable to remove more water					

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

Sampling Date: 5/14/03 Sampling Time: 1215 Depth to Water:

Sample I.D.: TB-1 Laboratory: (STL) Other____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030514-BA2	Site: 4226 First St, Pleasanton
Sampler: Brian Alcorn	Date: 5/14/03
Well I.D.: TB-2	Well Diameter: 2 3 4 6 8 (12)
Total Well Depth (TD): 12.68	Depth to Water (DTW): 12.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other:

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1225	INSUFFICIENT WATER – UNABLE TO REMOVE ANY WATER FOR SAMPLE					
						w/ BAILER

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 5/14/03 Sampling Time: 1225 Depth to Water:

Sample I.D.: TB-2 Laboratory: STL Other

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030514-BA2	Site: 4226 First St, Pleasanton
Sampler: Brian Algood	Date: 5/14/03
Well I.D.: ~~MW~~ TB-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 13.28	Depth to Water (DTW): DRY
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

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

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

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

Time	Temp (^{0}F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
WELL IS DRY + UNABLE TO PURGE/SAMPLE						

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: STL Other ____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030514-BA2	Site: 4226 First St, Pleasanton
Sampler: Brian Alcorn	Date: 5/14/03
Well I.D.: TB-4	Well Diameter: 2 3 4 6 8 (12)
Total Well Depth (TD): 12.64	Depth to Water (DTW): Dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other

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

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
Well Dry — Unable To Purge/Sample						

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: STL Other

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

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

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

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