RO 362

Shell Oil Products US

May 3, 2004

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 *First 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

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

20945 S. Wilmington Ave Carson, CA 90810 Phone (559) 645-9306 Fax (559) 645-5643

TOXICHEM
Management
Systems, Inc.
Environmental & Occupational Health Services
11 Kenton Avenue
San Carlos, California 94070
(650) 551-0112 / Fax (650) 551-0116

May 3, 2004
Project EQ-76.2A

REPORTS

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

Re: **Quarterly Monitoring Report – First Quarter 2004**
Shell-branded Service Station
4226 First Street, Pleasanton, California
Incident Number 98995840, SAP Number 135782

Dear Mr. Seery:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), this letter transmits the results of first quarter 2004 groundwater monitoring and sampling conducted at the site referenced above (Figure 1).

First Quarter 2004 Activities

During the first quarter 2004, Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the wells and prepared a summary table of groundwater elevation and analytical data. Toxichem Management Systems, Inc. (TOXICHEM) prepared the groundwater elevation contour and analytical concentration map (Figure 1). Blaine's report, inclusive of the certified analytical report and field data sheets, is included as Attachment A.

The oxygen releasing compound (ORC) units were replaced by Blaine in Wells MW-1 and MW-2 as part of the semi-annual replacement program to enhance the natural biological degradation of petroleum hydrocarbons.

Anticipated Second Quarter 2004 Activities

All site wells will be gauged and sampled by Blaine and the second quarter monitoring report will be prepared and submitted by TOXICHEM.

If you have any questions regarding this site, please contact me at (650) 551-0112.

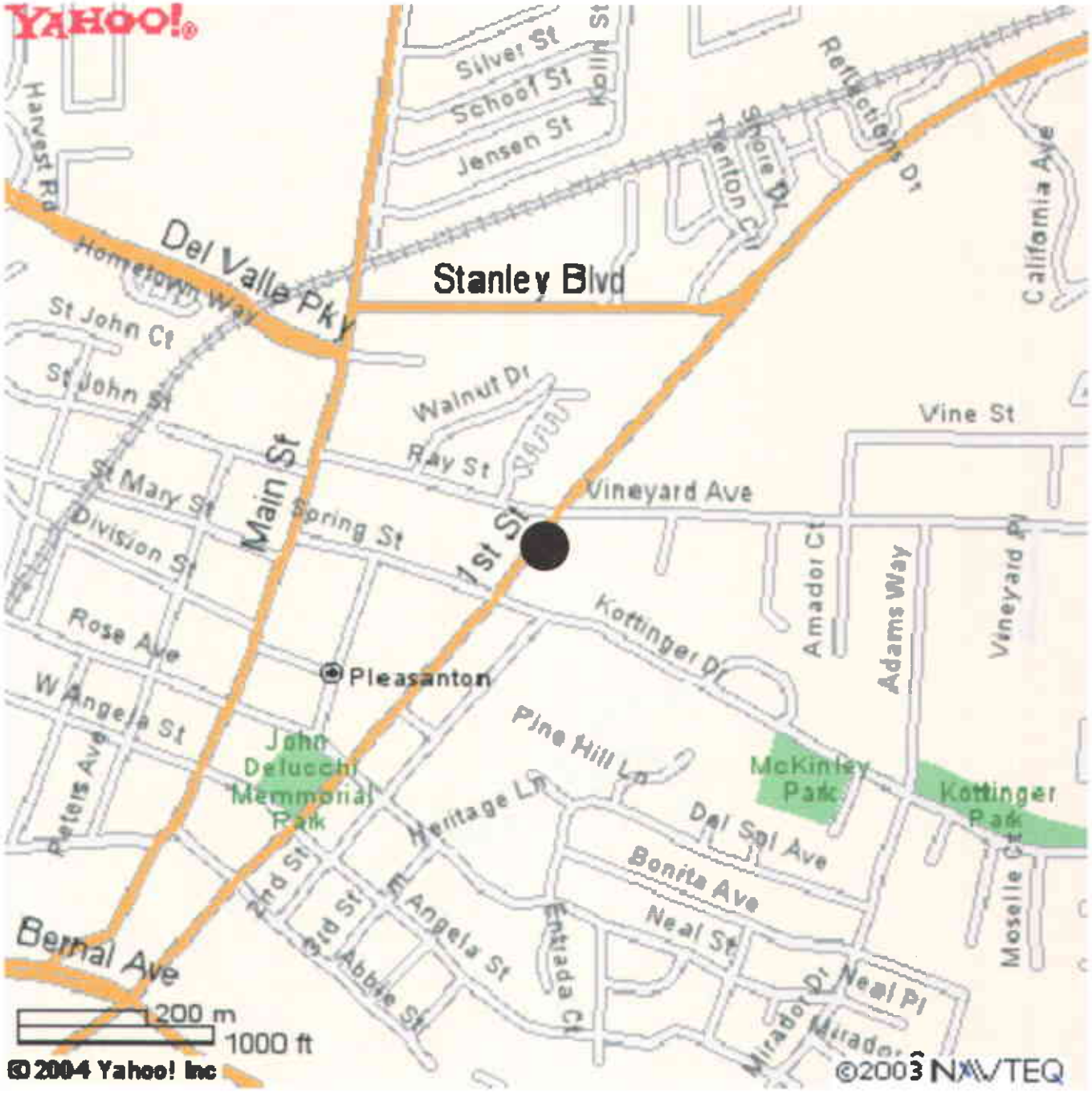
Sincerely,

Toxichem Management Systems, Inc.

Ross Tinline, RG
Senior Geologist

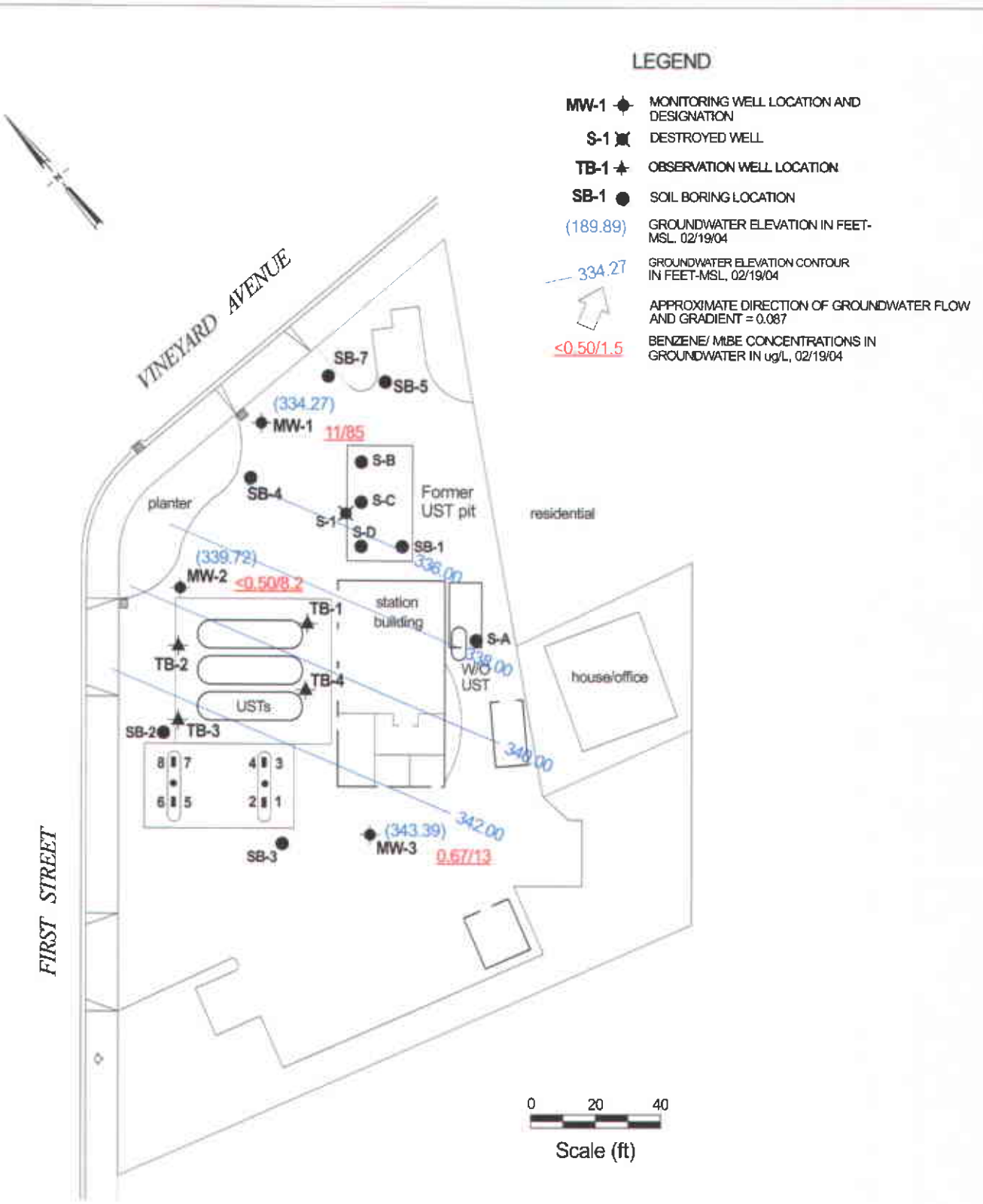
Attachments: Figure 1 - Vicinity Map
Figure 1 - Benzene/MtBE Concentration and Groundwater Elevation Map
Attachment A - First Quarter 2004 Groundwater Monitoring Data

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Avenue Carson, CA 90810
Douglas E & Mary M Safreno, 1627 Vineyard Avenue, Pleasanton, CA 94566-6389



Site Location

TOXICHEM Management Systems, Inc. Environmental & Occupational Health Services	Shell-Branded Service Station 4226 First Street Pleasanton, California VICINITY MAP	FIGURE: 1 PROJECT: EQ-73



BASEMAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, Inc.

TOXICHEM Management Systems, Inc. Environmental & Occupational Health Services	Shell-Branded Service Station 4226 First Street Pleasanton, California BENZENE/MtBE CONCENTRATION AND GROUNDWATER ELEVATION MAP, FEBRUARY 19, 2004	FIGURE: 2 PROJECT: EQ-76

ATTACHMENT A
FIRST QUARTER 2004 GROUNDWATER MONITORING DATA

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

April 5, 2004

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

First Quarter 2004 Groundwater Monitoring at
Shell-branded Service Station
4226 First Street
Pleasanton, CA

Monitoring performed on February 19, 2004

Groundwater Monitoring Report **040219-JP-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: Ross Tinline
Toxichem Management Systems
11 Kenton Avenue
San Carlos, CA 94070

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-1	07/29/2003	870	190	<2.5	<2.5	<5.0	NA	150	371.20	33.82	337.38
MW-1	11/19/2003	<200	14	<2.0	<2.0	<4.0	NA	230	371.20	38.28	332.92
MW-1	**02/19/2004**	**58 d**	**11**	**<0.50**	**<0.50**	**<1.0**	**NA**	**85**	**371.20**	**36.93**	**334.27**
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

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	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
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-2	07/29/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	670	372.40	32.51	339.89
MW-2	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	54	372.40	33.83	338.57
MW-2	**02/19/2004**	**65**	**<0.50**	**3.4**	**1.4**	**6.5**	**NA**	**8.2**	**372.40**	**32.68**	**339.72**
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

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-3	07/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	21	375.05	31.29	343.76
MW-3	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	8.2	375.05	31.86	343.19
MW-3	**02/19/2004**	**81**	**0.67**	**4.4**	**1.8**	**8.6**	**NA**	**13**	**375.05**	**31.66**	**343.39**
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
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

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)

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

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.
d = Sample contains discrete peak in addition to gasoline.
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#: 2004-02-0668

Blaine Tech Services, Inc.

March 04, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 040219-JP2
Project: 98995840
Site: 4226 First Street, Pleasanton

Dear Mr.Gearhart,

Attached is our report for your samples received on 02/20/2004 13:40
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 04/05/2004 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: vvancil@stl-inc.com

Sincerely,

Vincent Vancil
Project Manager

SEVERN TRENT STL

Submission #: 2004-02-0668

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: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	02/19/2004 13:05	Water	1
MW-2	02/19/2004 13:45	Water	2
MW-3	02/19/2004 13:35	Water	3

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: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-1**	Lab ID:	2004-02-0668 - 1
Sampled:	02/19/2004 13:05	Extracted:	2/26/2004 19:23
Matrix:	Water	QC Batch#:	2004/02/26-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	58	50	ug/L	1.00	02/26/2004 19:23	dp
Benzene	11	0.50	ug/L	1.00	02/26/2004 19:23	
Toluene	ND	0.50	ug/L	1.00	02/26/2004 19:23	
Ethylbenzene	ND	0.50	ug/L	1.00	02/26/2004 19:23	
Total xylenes	ND	1.0	ug/L	1.00	02/26/2004 19:23	
Methyl tert-butyl ether (MTBE)	85	0.50	ug/L	1.00	02/26/2004 19:23	
Surrogate(s)						
1,2-Dichloroethane-d4	95.0	76-130	%	1.00	02/26/2004 19:23	
Toluene-d8	101.0	78-115	%	1.00	02/26/2004 19:23	

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: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-2**	Lab ID:	2004-02-0668 - 2
Sampled:	02/19/2004 13:45	Extracted:	2/26/2004 19:45
Matrix:	Water	QC Batch#:	2004/02/26-2A 64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	65	50	ug/L	1.00	02/26/2004 19:45	
Benzene	ND	0.50	ug/L	1.00	02/26/2004 19:45	
Toluene	3.4	0.50	ug/L	1.00	02/26/2004 19:45	
Ethylbenzene	1.4	0.50	ug/L	1.00	02/26/2004 19:45	
Total xylenes	6.5	1.0	ug/L	1.00	02/26/2004 19:45	
Methyl tert-butyl ether (MTBE)	8.2	0.50	ug/L	1.00	02/26/2004 19:45	
Surrogate(s)						
1,2-Dichloroethane-d4	84.0	76-130	%	1.00	02/26/2004 19:45	
Toluene-d8	96.6	78-115	%	1.00	02/26/2004 19:45	

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: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2004-02-0668 - 3
Sampled:	02/19/2004 13:35	Extracted:	2/28/2004 14:09
Matrix:	Water	QC Batch#:	2004/02/28-1C.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	81	50	ug/L	1.00	02/28/2004 14:09	
Benzene	0.67	0.50	ug/L	1.00	02/28/2004 14:09	
Toluene	4.4	0.50	ug/L	1.00	02/28/2004 14:09	
Ethylbenzene	1.8	0.50	ug/L	1.00	02/28/2004 14:09	
Total xylenes	8.6	1.0	ug/L	1.00	02/28/2004 14:09	
Methyl tert-butyl ether (MTBE)	13	0.50	ug/L	1.00	02/28/2004 14:09	
Surrogate(s)						
1,2-Dichloroethane-d4	83.3	76-130	%	1.00	02/28/2004 14:09	
Toluene-d8	98.3	78-115	%	1.00	02/28/2004 14:09	

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: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/02/26-2A.64**

MB: 2004/02/26-2A.64-049 — Date Extracted: 02/26/2004 18:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/26/2004 18:49	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/26/2004 18:49	
Benzene	ND	0.5	ug/L	02/26/2004 18:49	
Toluene	ND	0.5	ug/L	02/26/2004 18:49	
Ethylbenzene	ND	0.5	ug/L	02/26/2004 18:49	
Total xylenes	ND	1.0	ug/L	02/26/2004 18:49	
Surrogates(s)					
1,2-Dichloroethane-d4	84.4	76-130	%	02/26/2004 18:49	
Toluene-d8	98.4	78-115	%	02/26/2004 18:49	

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: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/02/28-1C.64**

MB: 2004/02/28-1C.64-055 — Date Extracted: 02/28/2004 09:11

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	02/28/2004 09:11	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/28/2004 09:11	
Benzene	ND	0.5	ug/L	02/28/2004 09:11	
Toluene	ND	0.5	ug/L	02/28/2004 09:11	
Ethylbenzene	ND	0.5	ug/L	02/28/2004 09:11	
Total xylenes	ND	1.0	ug/L	02/28/2004 09:11	
Surrogates(s)					
1,2-Dichloroethane-d4	82.2	76-130	%	02/28/2004 09:11	
Toluene-d8	96.8	78-115	%	02/28/2004 09:11	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/02/26-2A.64**

LCS 2004/02/26-2A.64-005 Extracted: 02/26/2004 Analyzed: 02/26/2004 18:05

LCSD 2004/02/26-2A.64-027 Extracted: 02/26/2004 Analyzed: 02/26/2004 18:27

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.9	22.8	25	91.6	91.2	0.4	65-165	20		
Benzene	26.1	26.1	25	104.4	104.4	0.0	69-129	20		
Toluene	27.0	27.0	25	108.0	108.0	0.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	399	398	500	79.8	79.6		76-130			
Toluene-d8	497	483	500	99.4	96.6		78-115			

Gas/BTEX/MTBE 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: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/02/28-1C.64**

LCS 2004/02/28-1C.64-026 Extracted: 02/28/2004 Analyzed: 02/28/2004 08:26

LCSD 2004/02/28-1C.64-033 Extracted: 02/28/2004 Analyzed: 02/28/2004 09:33

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.1	23.4	25	96.4	93.6	2.9	65-165	20		
Benzene	25.0	23.9	25	100.0	95.6	4.5	69-129	20		
Toluene	26.4	24.8	25	105.6	99.2	6.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	390	389	500	78.0	77.8		76-130			
Toluene-d8	492	481	500	98.4	96.2		78-115			

SEVERN TRENT STL

Submission #: 2004-02-0668

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: 040219-JP2
98995840

Received: 02/20/2004 13:40

Site: 4226 First Street, Pleasanton

Legend and Notes

Result Flag

dp

Sample contains discrete peak in addition to gasoline.

LAB: STL

83185

SHELL Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

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

Karen Petryna

2004-02-0668

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

SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 2/19/04

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 4226 First Street, Pleasanton
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		GLOBAL ID NO.: T0600101259
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		EDF DELIVERABLE TO (Responsible Party or Designee): Ross Tinline
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com
PHONE NO.: (650) 551-0112	E-MAIL: roast@toxichem.com	CONSULTANT PROJECT NO.: 040219-JP2 BTS #
SAMPLER NAME(S) (Print): Matthew Pyrch	LAB USE ONLY	

TURNAROUND TIME (BUSINESS DAYS): [x] 10 DAYS [ ] 5 DAYS [ ] 72 HOURS [ ] 48 HOURS [ ] 24 HOURS [ ] LESS THAN 24 HOURS

[ ] LA - RWQCB REPORT FORMAT [ ] UST AGENCY: ______

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED [ ]

REQUESTED ANALYSIS

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	2/19/04	1305	W	3	X	X		X																
\	MW-2	↓	1345	↓	↓	X	X		X																
\	MW-3	↓	1325	↓	↓	X	X		X																

TEMPERATURE ON RECEIPT C°: 3.0

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Matthew Pyrch (signature) BTS	(signature)	2/20/04	1340
Relinquished by: (Signature) (signature) 2/20/04	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) (signature)	Date: 2-20-04	Time: 1839

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

10/16/00 Revision

WELLHEAD INSPECTION CHECKLIST

ient 98995840 Date 2/19/04

te Address 4226 First st., Pleasanton

b Number 040219-SP2 Technician M. Pyrch

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X							
MW-2	X					A		
MW-3	X							

NOTES: A) ORC Replaced

WELL GAUGING DATA

Project # 040219-JP2 Date 2/19/04 Client 98995840

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	
MW-1	2					36.93	57.32	TOC	Replace ORC
MW-2	4					32.68	45.86		Replace ORC
MW-3	4					31.66	34.61	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 040219-JP2	Site: 98995840
Sampler: M. Pyrch	Date: 2/19/04
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 57.32	Depth to Water (DTW): 36.93
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]: 41.00	

Purge Method: Bailer, Disposable Bailer, (Positive Air Displacement), Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

3.2 (Gals.) X	3	= 9.6 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
1253	64.5	7.5	2183	>200	3	slightly cloudy
1258	64.8	7.6	2095	55	6.5	clear
1304	64.4	7.2	2079	75	10	"

Did well dewater? Yes (No) Gallons actually evacuated: 10

Sampling Date: 2/19/04 Sampling Time: 1305 Depth to Water: 47.60 (site departure)

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 #: 040219-JP2	Site: 98995840
Sampler: M. Pyrch	Date: 2/19/04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 45.86	Depth to Water (DTW): 32.68
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]: 35.31	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ____

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

8.5 (Gals.) X 3 = 25.5 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1227	61.9	7.3	1406	48	8.5	clear
1230	65.9	7.3	1589	32	17	"
1234	64.6	7.7	1658	16	25.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 25.5

Sampling Date: 2/19/04 Sampling Time: ~~1235~~ 1345 JP Depth to Water: 42.43 (sic departure)

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 #: 040219-JP2	Site: 98995840
Sampler: M. Pyrch	Date: 2/19/04
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.61	Depth to Water (DTW): 31.66
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]: 32.25	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

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

1.9 (Gals.) X	3	= 5.7 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1215	61.4	7.4	1047	41	2	odor, clear
1217	Dewatered	@	32.82 DTW @ 2.5 gal w/pump in well			
1335	63.4	7.9	1259	22	—	clear

Did well dewater? (Yes) No Gallons actually evacuated: 2.5

Sampling Date: 2/19/04 Sampling Time: 1335 Depth to Water: 33.02 (site departure)

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