



Shell Oil Products US

Revised
Not in Geo yet
2/19/03

March 28, 2005

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

Alameda County
MAR 30 2005
Environmental Health

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

Dear Mr. Schultz:

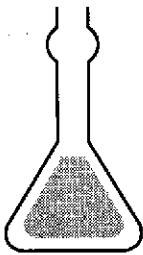
Attached for your review and comment is a copy of the *First Quarter 2005 Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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
Sr. Environmental Engineer



**TOXICHEM
Management
Systems, Inc.**

Environmental & Occupational Health Services

11 Kenton Avenue
San Carlos, California 94070
(650) 551-0112 / Fax (650) 551-0116

Industrial Hygiene - Exposure Assessment
Quantitative Risk Assessment
Compliance Audits
Real Property Environmental Assessments
Remedial Investigations
Air, Soil, and Groundwater Sampling
Remedial Engineering and Construction
Regulatory Compliance and Negotiation
Litigation Support Services

March 28, 2005
Project EQ-76.2A

REPORTS

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

ENVIRONMENTAL PROTECTION
MARCH 30 2005
ALAMEDA COUNTY

Re: **Quarterly Monitoring Report – First Quarter 2005**
Shell-branded Service Station
4226 First Street, Pleasanton, California
Incident Number 98995840, SAP Number 135782

Dear Mr. Schultz:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), this letter transmits the results of first quarter 2005 groundwater monitoring and sampling conducted at the site referenced above (Figure 1).

First Quarter 2005 Activities

During the first quarter 2005, 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. Toxicchem Management Systems, Inc. (TOXICHEM) prepared the groundwater elevation contour and analytical concentration map (Figure 2). Blaine's report, inclusive of the certified analytical report and field data sheets, is included as Attachment A.

Anticipated Second Quarter 2005 Activities

All site wells will be gauged and sampled by Blaine and the second quarter monitoring report will be prepared and submitted by the new consultant for the site, Lee Dooley of Delta Environmental Consultants, Inc.

If you have any questions regarding this site, please contact Lee at (408) 224-4724.

Sincerely,

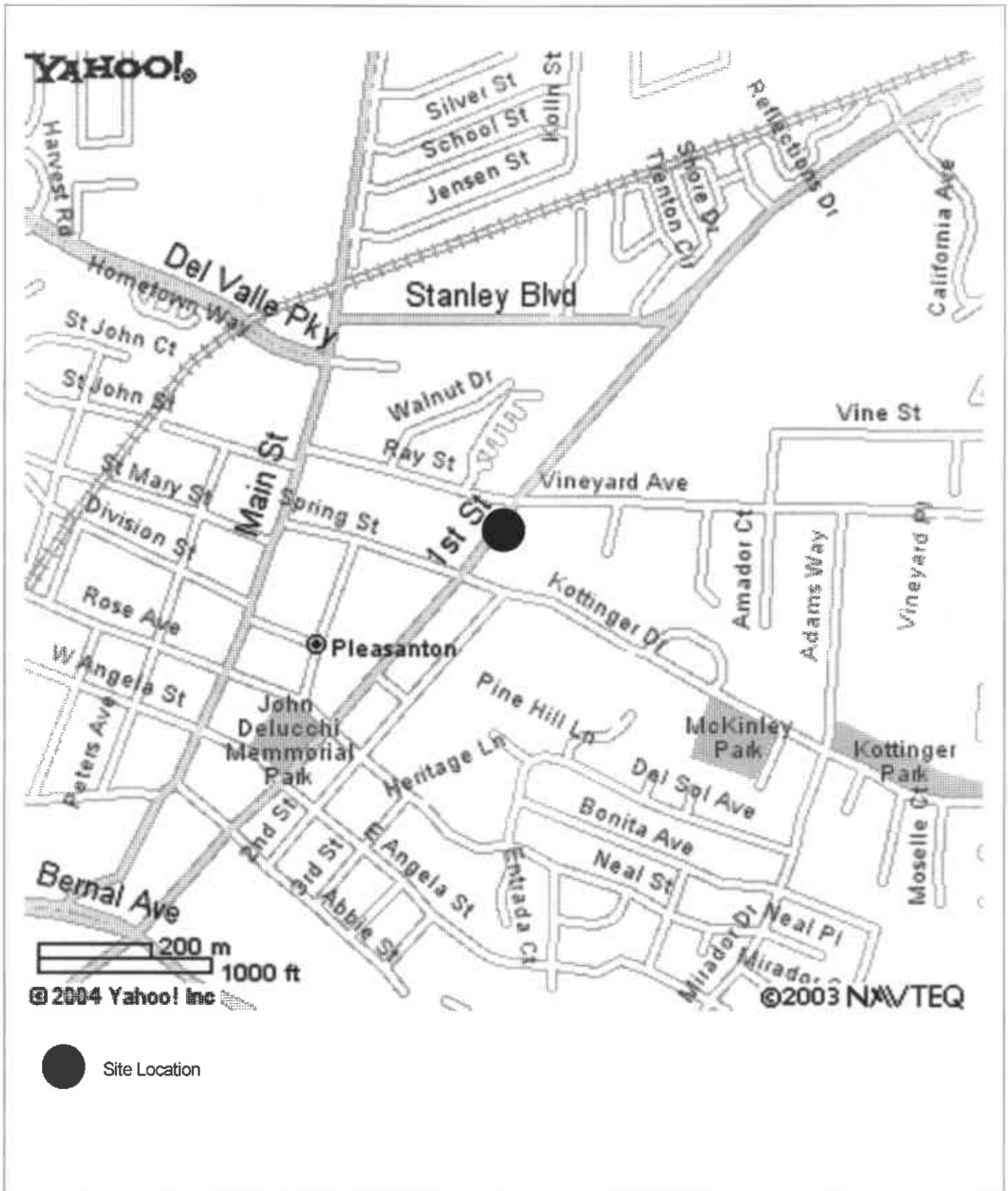
Toxicchem Management Systems, Inc.

Ross Tinline, PG
Senior Geologist



Attachments: Figure 1 - Vicinity Map
Figure 2 - Benzene/MtBE Concentration and Groundwater Elevation Map
Attachment A - First Quarter 2005 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




TOXICHEM Management Systems, Inc.
Environmental & Occupational Health Services

Shell-Branded Service Station
4226 First Street
Pleasanton, California

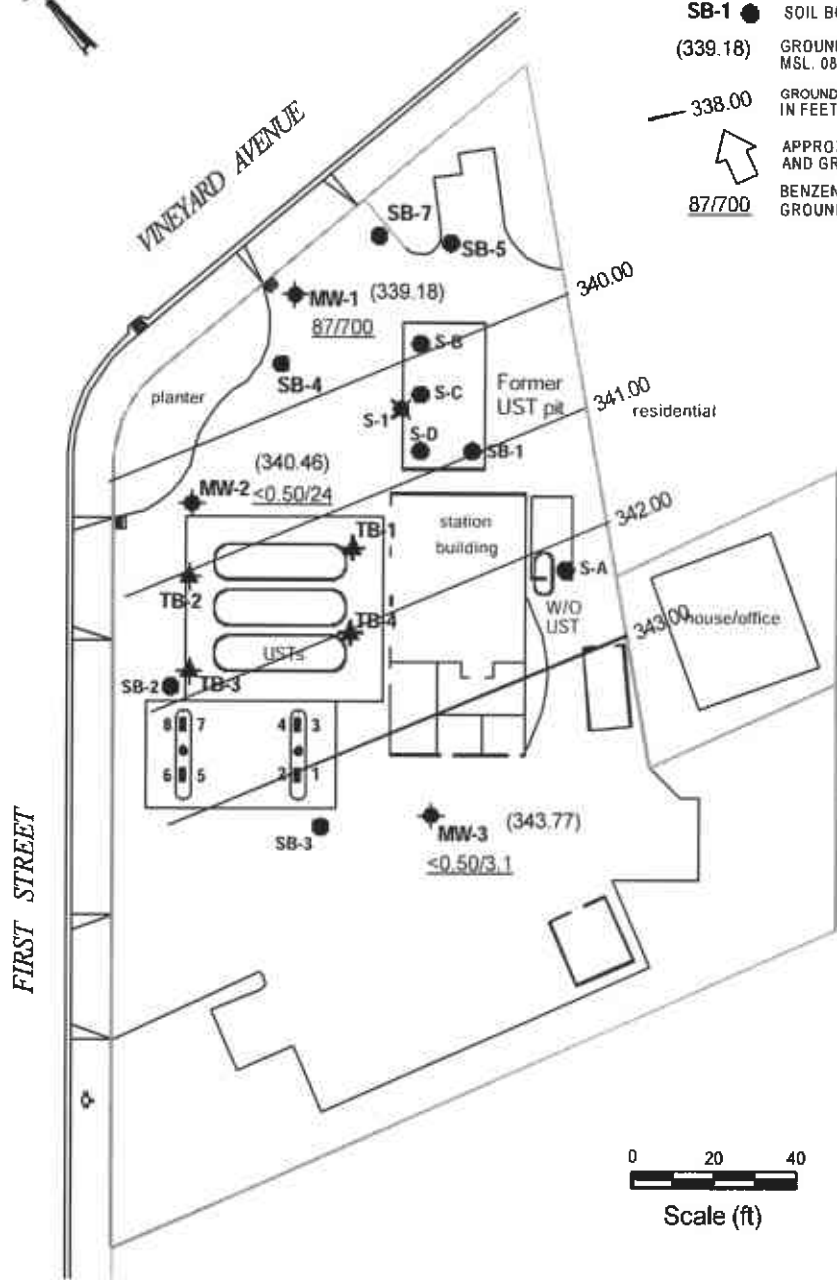
VICINITY MAP

FIGURE:
1
PROJECT:
EQ-73



LEGEND

- MW-1 MONITORING WELL LOCATION AND DESIGNATION
- S-1 DESTROYED WELL
- TB-1 OBSERVATION WELL LOCATION
- SB-1 SOIL BORING LOCATION
- (339.18) GROUNDWATER ELEVATION IN FEET-MSL, 08/24/04
- 338.00 GROUNDWATER ELEVATION CONTOUR IN FEET-MSL, 02/02/05
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND GRADIENT = 0.042
- 87700 BENZENE/MTBE CONCENTRATIONS IN GROUNDWATER IN $\mu\text{g/L}$, 02/02/05



BASEMAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, Inc.



Shell-Branded Service Station
4226 First Street
Pleasanton, California

BENZENE/MTBE CONCENTRATION AND GROUNDWATER
ELEVATION MAP, FEBRUARY 02, 2005

FIGURE:
2

PROJECT:
EQ-76

ATTACHMENT A
FIRST QUARTER 2005 GROUNDWATER MONITORING DATA

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: Ross Tinline
Toxichem Management Systems
11 Kenton Ave.
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-1	05/03/2004	670	310	<2.5	<2.5	<5.0	NA	420	371.20	32.70	338.50
MW-1	08/24/2004	430 d	34	<2.5	<2.5	<5.0	NA	690	371.20	34.66	336.54
MW-1	11/15/2004	<250	29	<2.5	<2.5	<5.0	NA	470	371.20	38.27	332.93
MW-1	02/02/2005	540 e	87	<2.5	<2.5	<5.0	NA	700	371.20	32.02	339.18
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

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	05/17/2000	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
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-2	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	5.2	372.40	32.07	340.33
MW-2	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	2.7	372.40	32.44	339.96
MW-2	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	1.3	372.40	32.95	339.45
MW-2	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	24	372.40	31.94	340.46
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

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	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
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
MW-3	05/03/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	13	375.05	31.72	343.33
MW-3	08/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	10	375.05	32.09	342.96
MW-3	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	6.6	375.05	31.50	343.55
MW-3	02/02/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	3.1	375.05	31.28	343.77
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
TB-3	02/28/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA
TB-3	05/14/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA
TB-4	02/12/2003	Well dry		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-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

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.

e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

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

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

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

Blaine Tech Services, Inc.

February 17, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 050202-PC2
Project: 98995840
Site: 4226 First Street, Pleasanton

Dear Mr. Gearhart,

Attached is our report for your samples received on 02/03/2005 13:31
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
03/20/2005 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/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) 573-7771Project: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	02/02/2005 14:54	Water	1
MW-2	02/02/2005 14:30	Water	2
MW-3	02/02/2005 14:44	Water	3

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

02/17/2005 16:12

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: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2005-02-0157 - 3
Sampled: 02/02/2005 14:44	Extracted: 2/14/2005 23:46
Matrix: Water	QC Batch#: 2005/02/14-2C.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	02/14/2005 23:46	Q6
Benzene	ND	0.50	ug/L	1.00	02/14/2005 23:46	
Toluene	ND	0.50	ug/L	1.00	02/14/2005 23:46	
Ethylbenzene	ND	0.50	ug/L	1.00	02/14/2005 23:46	
Total xylenes	ND	1.0	ug/L	1.00	02/14/2005 23:46	
Methyl tert-butyl ether (MTBE)	3.1	0.50	ug/L	1.00	02/14/2005 23:46	
Surrogate(s)						
1,2-Dichloroethane-d4	125.9	73-130	%	1.00	02/14/2005 23:46	
Toluene-d8	108.0	81-114	%	1.00	02/14/2005 23:46	

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: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/02/11-2B.68-051

Water

Test(s): 8260B

QC Batch # 2005/02/11-2B.68

Date Extracted: 02/11/2005 20:51

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/11/2005 20:51	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/11/2005 20:51	
Benzene	ND	0.5	ug/L	02/11/2005 20:51	
Toluene	ND	0.5	ug/L	02/11/2005 20:51	
Ethylbenzene	ND	0.5	ug/L	02/11/2005 20:51	
Total xylenes	ND	1.0	ug/L	02/11/2005 20:51	
Surrogates(s)					
1,2-Dichloroethane-d4	119.0	73-130	%	02/11/2005 20:51	
Toluene-d8	110.8	81-114	%	02/11/2005 20:51	

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

02/17/2005 16:12

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: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/02/14-2C.68

MB: 2005/02/14-2C.68-003

Date Extracted: 02/14/2005 18:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	02/14/2005 18:03	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	02/14/2005 18:03	
Benzene	ND	0.5	ug/L	02/14/2005 18:03	
Toluene	ND	0.5	ug/L	02/14/2005 18:03	
Ethylbenzene	ND	0.5	ug/L	02/14/2005 18:03	
Total xylenes	ND	1.0	ug/L	02/14/2005 18:03	
Surrogates(s)					
1,2-Dichloroethane-d4	113.6	73-130	%	02/14/2005 18:03	
Toluene-d8	109.8	81-114	%	02/14/2005 18:03	

Severn Trent Laboratories, Inc.

02/17/2005 16:12

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

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: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/02/11-2B.68

LCS 2005/02/11-2B.68-033

Extracted: 02/11/2005

Analyzed: 02/11/2005 20:33

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	27.1		25	108.4			65-165	20		
Benzene	25.9		25	103.6			69-129	20		
Toluene	26.8		25	107.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	504		500	100.8			73-130			
Toluene-d8	543		500	108.6			81-114			

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

02/17/2005 16:12

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: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/02/14-2C.68

LCS 2005/02/14-2C.68-015

Extracted: 02/14/2005

Analyzed: 02/14/2005 17:15

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	20.7		25	82.8			65-165	20		
Benzene	19.8		25	79.2			69-129	20		
Toluene	21.4		25	85.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	490		500	98.0			73-130			
Toluene-d8	553		500	110.6			81-114			

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

02/17/2005 16:12

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: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/02/11-2B.68

MS/MSD

Lab ID: 2005-02-0156 - 003

MS: 2005/02/11-2B.68-026

Extracted: 02/11/2005

Analyzed: 02/11/2005 21:26

Dilution: 1.00

MSD: 2005/02/11-2B.68-043

Extracted: 02/11/2005

Analyzed: 02/11/2005 21:43

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	31.3	26.6	ND	25	125.2	106.4	16.2	65-165	20		
Benzene	27.4	26.6	ND	25	109.6	106.4	3.0	69-129	20		
Toluene	28.9	27.3	ND	25	115.6	109.2	5.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	534	505		500	106.8	101.0		73-130			
Toluene-d8	544	530		500	108.8	106.0		81-114			

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

02/17/2005 16:12

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: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/02/14-2C.68

MS/MSD

Lab ID: 2005-02-0201 - 005

MS: 2005/02/14-2C.68-049

Extracted: 02/14/2005

Analyzed: 02/14/2005 18:49

Dilution: 1.00

MSD: 2005/02/14-2C.68-007

Extracted: 02/14/2005

Analyzed: 02/14/2005 19:07

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	26.1	26.8	ND	25	104.4	107.2	2.6	65-165	20		
Benzene	24.5	26.8	ND	25	98.0	107.2	9.0	69-129	20		
Toluene	26.2	28.7	ND	25	104.8	114.8	9.1	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	527	526		500	105.4	105.2		73-130			
Toluene-d8	548	567		500	109.6	113.4		81-114			

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

02/17/2005 16:12

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) 573-7771Project: 050202-PC2
98995840

Received: 02/03/2005 13:31

Site: 4226 First Street, Pleasanton

Legend and Notes

Sample Comment

Lab ID: 2005-02-0157 -2

Siloxane peaks were found in the sample, which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 78 ug/L

Lab ID: 2005-02-0157 -3

Siloxane peaks were found in the sample, which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 59 ug/L

Analysis Flag

L2

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

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

Q6

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

WELL GAUGING DATA

Project # 050202-AC2 Date 2/2/05 Client Shel

Site 4226 1st 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 TOB
MW1	2					32.02	57.19	Toe
MW2	4					31.94	45.79	↓
MW3	4					31.20	34.59	

SHELL WELL MONITORING DATA SHEET

BTS #: 050202-PC2	Site: 98995B40
Sampler: PC	Date: 2/2/05
Well I.D.: MW-1	Well Diameter: ② 3 4 6 8
Total Well Depth (TD): 57.19	Depth to Water (DTW): 32.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.05	

Purge Method: Bailer Waterra Sampling Method: 1 Bailer
 Disposable Bailer Peristaltic Disposable Bailer
Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

Other: _____

$4.0 \text{ (Gals.)} \times 3 = 12 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1406	67.8	6.6	1725	47	4	clear
1412	66.2	6.6	1655	41	8	↓
1418	66.1	6.6	1623	33	12	

Did well dewater? Yes Gallons actually evacuated: 12

Sampling Date: 2/2/05 Sampling Time: 1454 Depth to Water: 51.08 ^{site depth}

Sample I.D.: MW-1 Laboratory: STI Other _____

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

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

