



Shell Oil Products US

70360

October 14, 2004

Alameda County

OCT 21 2004

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

Environmental Health

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

Dear Ms. Garcia-LaGrille:

Attached for your review and comment is a copy of the *Third 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.

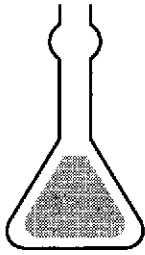
As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer



**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

October 14, 2004
Project EQ-76.2A

REPORTS

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

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

Dear Ms. Garcia-LaGrille:

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

Third Quarter 2004 Activities

During the third 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. Toxicem 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.

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 Fourth Quarter 2004 Activities

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

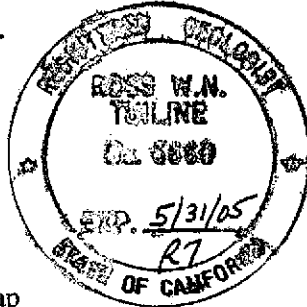
If you have any questions regarding this site, please contact me at (650) 551-0112.

Sincerely,

Toxichem Management Systems, Inc.

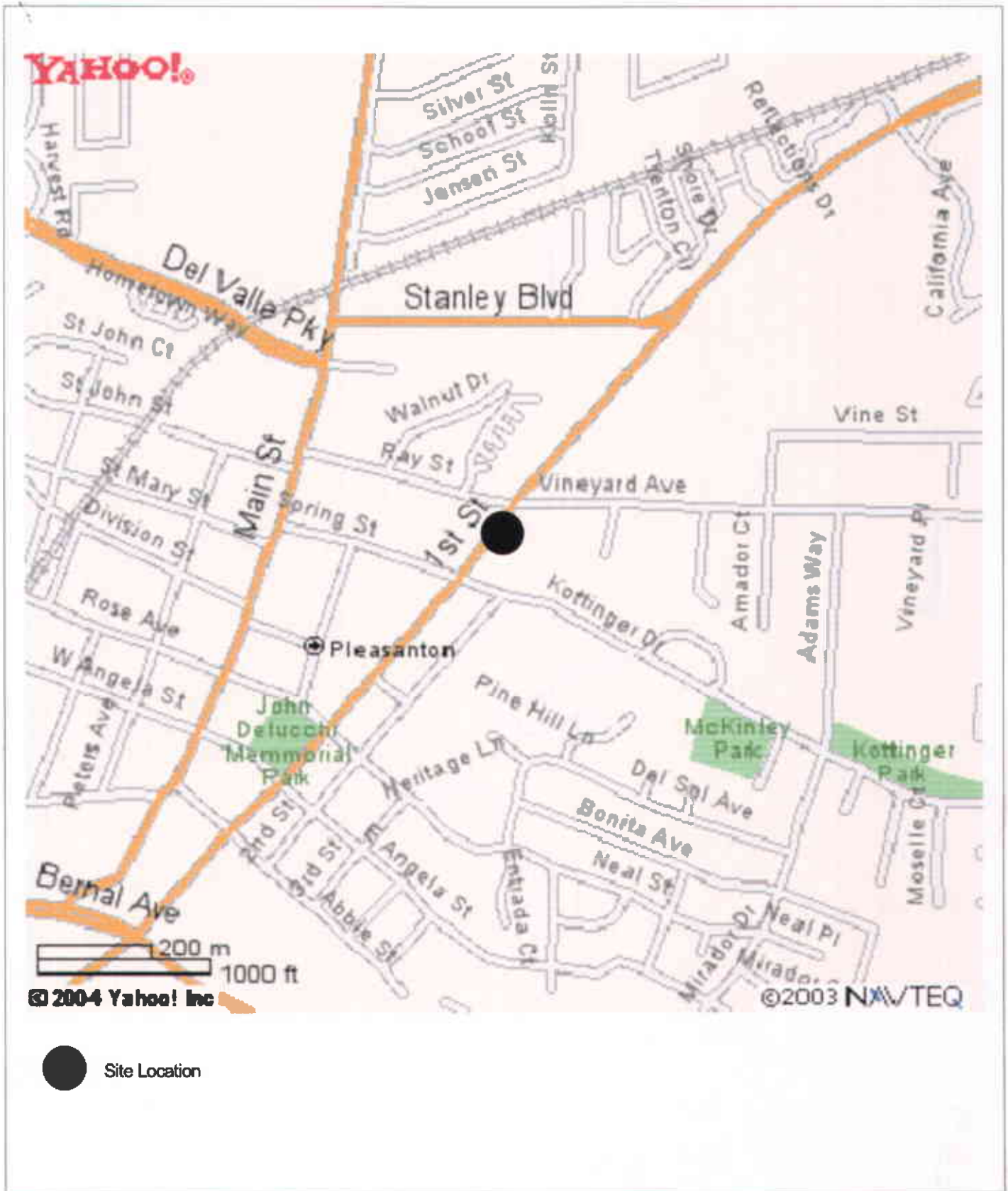


Ross Tinline, RG
Senior Geologist



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



Shell-Branded Service Station
 4226 First Street
 Pleasanton, California

FIGURE:
 1
 PROJECT:
 EQ-73

VICINITY MAP

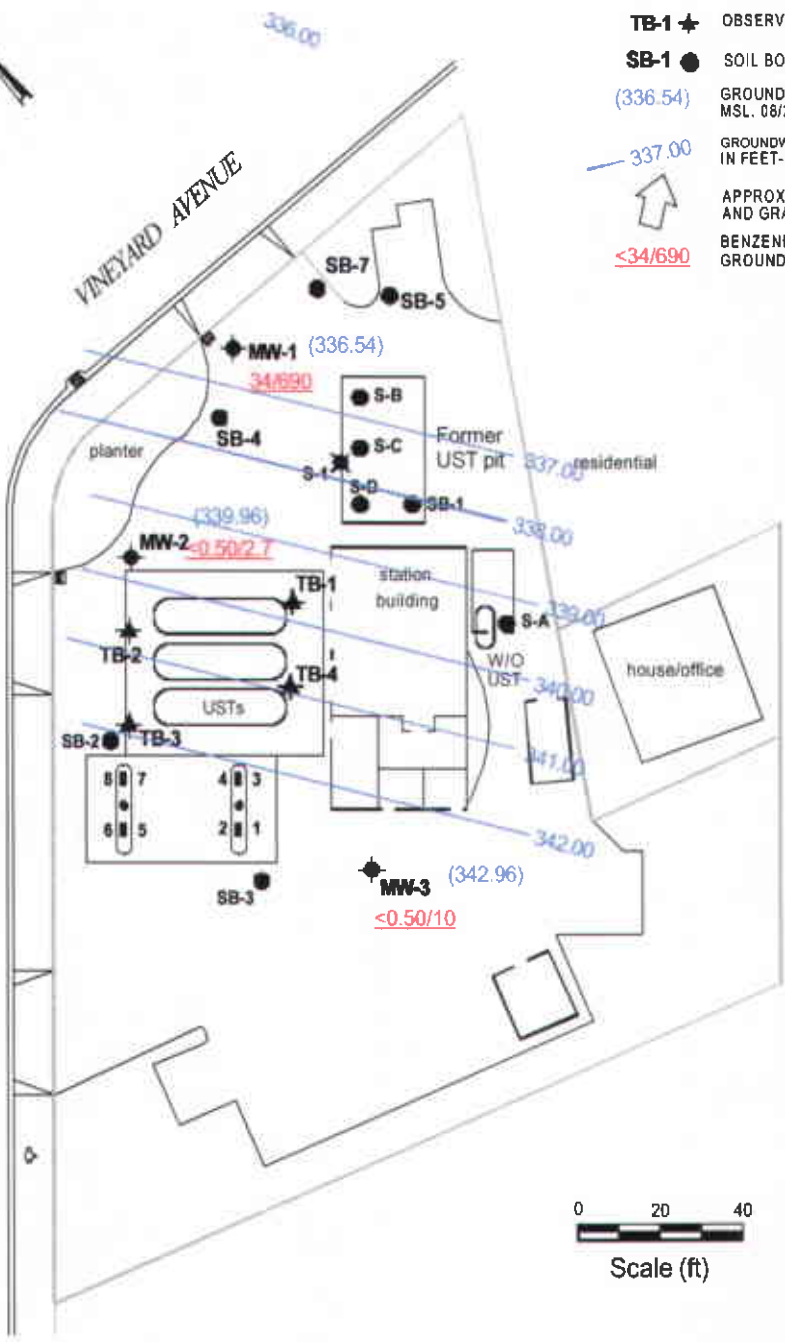
LEGEND

- MW-1** ◆ MONITORING WELL LOCATION AND DESIGNATION
- S-1** ✕ DESTROYED WELL
- TB-1** ★ OBSERVATION WELL LOCATION
- SB-1** ● SOIL BORING LOCATION
- (336.54) GROUNDWATER ELEVATION IN FEET-MSL, 08/24/04
- 337.00 GROUNDWATER ELEVATION CONTOUR IN FEET-MSL, 08/24/04
- ↑ APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND GRADIENT = 0.055
- <34/690 BENZENE/MIIBE CONCENTRATIONS IN GROUNDWATER IN ug/L, 08/24/04

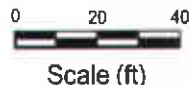


FIRST STREET

VINEYARD AVENUE



0.67/13



BASEMAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, Inc.



Shell-Branded Service Station
4226 First Street
Pleasanton, California

BENZENE/MIIBE CONCENTRATION AND GROUNDWATER ELEVATION MAP, August 24, 2004

FIGURE:
2
PROJECT:
EQ-76

ATTACHMENT A
THIRD QUARTER 2004 GROUNDWATER MONITORING DATA

ATTACHMENT A
THIRD QUARTER 2004 GROUNDWATER MONITORING DATA

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

September 27, 2004

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

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

Monitoring performed on August 24, 2004

Groundwater Monitoring Report **040824-MG-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. Purge water (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.

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0885

FAX (408) 573-7771

LIC. 746684

www.blainetech.com

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)
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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-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

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)
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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-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

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	07/25/2002	<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
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
TB-4	02/28/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA
TB-4	05/14/2003	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)
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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, 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.

September 08, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 040824-MG2
Project: 98995840
Site: 4226 First Street, Pleasanton

Dear Mr. Gearhart,

Attached is our report for your samples received on 08/24/2004 14:20
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
10/08/2004 unless you have requested otherwise.

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

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

Sincerely,



Melissa Brewer
Project Manager

Gas/BTEX/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: 040824-MG2
98995840

Received: 08/24/2004 14:20

Site: 4226 First Street, Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	08/24/2004 12:50	Water	1
MW-2	08/24/2004 12:15	Water	2
MW-3	08/24/2004 12:30	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: 040824-MG2
98995840

Received: 08/24/2004 14:20

Site: 4226 First Street, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2004-08-0633 - 1
Sampled: 08/24/2004 12:50	Extracted: 9/2/2004 02:19
Matrix: Water	QC Batch#: 2004/09/01-2D.62
Analysis Flag: 0 (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	430	250	ug/L	5.00	09/02/2004 02:19	dp
Benzene	34	2.5	ug/L	5.00	09/02/2004 02:19	
Toluene	ND	2.5	ug/L	5.00	09/02/2004 02:19	
Ethylbenzene	ND	2.5	ug/L	5.00	09/02/2004 02:19	
Total xylenes	ND	5.0	ug/L	5.00	09/02/2004 02:19	
Methyl tert-butyl ether (MTBE)	690	2.5	ug/L	5.00	09/02/2004 02:19	
Surrogate(s)						
1,2-Dichloroethane-d4	99.5	76-130	%	5.00	09/02/2004 02:19	
Toluene-d8	104.5	78-115	%	5.00	09/02/2004 02:19	

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: 040824-MG2
98995840

Received: 08/24/2004 14:20

Site: 4226 First Street, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-2	Lab ID: 2004-08-0633 - 2
Sampled: 08/24/2004 12:15	Extracted: 9/2/2004 02:41
Matrix: Water	QC Batch#: 2004/09/01-2D.62
Analysis Flag: .gs (See Legend and Note Section)	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/02/2004 02:41	
Benzene	ND	0.50	ug/L	1.00	09/02/2004 02:41	
Toluene	ND	0.50	ug/L	1.00	09/02/2004 02:41	
Ethylbenzene	ND	0.50	ug/L	1.00	09/02/2004 02:41	
Total xylenes	ND	1.0	ug/L	1.00	09/02/2004 02:41	
Methyl tert-butyl ether (MTBE)	2.7	0.50	ug/L	1.00	09/02/2004 02:41	
Surrogate(s)						
1,2-Dichloroethane-d4	107.7	76-130	%	1.00	09/02/2004 02:41	
Toluene-d8	105.8	78-115	%	1.00	09/02/2004 02:41	

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

09/03/2004 09:12

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: 040824-MG2
98995840

Received: 08/24/2004 14:20

Site: 4226 First Street, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-3	Lab ID: 2004-08-0633 - 3
Sampled: 08/24/2004 12:30	Extracted: 9/2/2004 03:04
Matrix: Water	QC Batch#: 2004/09/01-2D.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/02/2004 03:04	
Benzene	ND	0.50	ug/L	1.00	09/02/2004 03:04	
Toluene	ND	0.50	ug/L	1.00	09/02/2004 03:04	
Ethylbenzene	ND	0.50	ug/L	1.00	09/02/2004 03:04	
Total xylenes	ND	1.0	ug/L	1.00	09/02/2004 03:04	
Methyl tert-butyl ether (MTBE)	10	0.50	ug/L	1.00	09/02/2004 03:04	
Surrogate(s)						
1,2-Dichloroethane-d4	105.6	76-130	%	1.00	09/02/2004 03:04	
Toluene-d8	105.5	78-115	%	1.00	09/02/2004 03:04	

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: 040824-MG2
98995840

Received: 08/24/2004 14:20

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2004/09/01-2D.62

MB: 2004/09/01-2D.62-027

Date Extracted: 09/01/2004 18:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/01/2004 18:27	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/01/2004 18:27	
Benzene	ND	0.5	ug/L	09/01/2004 18:27	
Toluene	ND	0.5	ug/L	09/01/2004 18:27	
Ethylbenzene	ND	0.5	ug/L	09/01/2004 18:27	
Total xylenes	ND	1.0	ug/L	09/01/2004 18:27	
Surrogates(s)					
1,2-Dichloroethane-d4	93.8	76-130	%	09/01/2004 18:27	
Toluene-d8	103.6	78-115	%	09/01/2004 18:27	

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

09/03/2004 09:12

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: 040824-MG2
98995840

Received: 08/24/2004 14:20

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/09/01-2D.62

LCS 2004/09/01-2D.62-042

Extracted: 09/01/2004

Analyzed: 09/01/2004 17:42

LCSD 2004/09/01-2D.62-049

Extracted: 09/01/2004

Analyzed: 09/01/2004 18:49

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %			Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	30.9	29.1	25	123.6	116.4	6.0	65-165	20			
Benzene	23.2	22.7	25	92.8	90.8	2.2	69-129	20			
Toluene	25.2	25.0	25	100.8	100.0	0.8	70-130	20			
Surrogates(s)											
1,2-Dichloroethane-d4	492	450	500	98.4	90.0		76-130				
Toluene-d8	519	512	500	103.8	102.4		78-115				

Severn Trent Laboratories, Inc.

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

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

09/03/2004 09:12

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: 040824-MG2
98995840

Received: 08/24/2004 14:20

Site: 4226 First Street, Pleasanton

Legend and Notes

Sample Comment

Lab ID: 2004-08-0633 -2

gs-Siloxane peaks were found in the sample which are not believed to be related to gasoline. If they were to be quantified as gasoline, the concentration would be 56 ug/L.

Analysis Flag

o

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

Result Flag

dp

Sample contains discrete peak in gasoline range.

LAB: STC

SHELL Chain Of Custody Record

90327

Lab identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- O&E HOUSTON

Karen Petryna

2004-08-0633

INCIDENT NUMBER (S&E ONLY):

9 8 9 9 5 8 4 0

SAP or CRMT NUMBER (TS/CRMT)

DATE: 8/24/04

PAGE: 1 of 1

CLIENT COMPANY: Blaine Tech Services	LAB NAME: BTSS	SITE ADDRESS (Street and City): 4226 First Street, Pleasanton	LAB NO. (S&E ONLY): T0600101259
ADDRESS: 1660 Rogers Avenue, San Jose, CA 95112	PROJECT CONTACT (Name, Title, Phone/Fax): Leon Gearhart	PHONE NO. (S&E ONLY): (850) 551-0112	LAB CONTACT (Name, Title, Phone/Fax): rosel@tbcxchem.com
TELEPHONE: 408-573-0555	FAX: 408-573-7771	LAB USE ONLY:	
E-MAIL: lgearhart@blaintech.com		LAB USE ONLY:	

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

LA - RWQCD REPORT FORMAT LIST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST pH BORING _____ ALL _____

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

REQUESTED ANALYSIS:

TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (9) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDS (8260B)	TPH - Diesel, Extractable (9016m)
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FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification				TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (9) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDS (8260B)	TPH - Diesel, Extractable (9016m)	TEMPERATURE COLLECTOR
	DATE	TIME	MATRIX	NO. OF CONT.											
	MW-1	8/24/04	1250	GW	3	X	X	X							3
	MW-2	↓	1215	↓	↓	X	X	X							
	MW-3	↓	1230	↓	↓	X	X	X							

Released by (Signature):	Received by (Signature):	Date: <u>8/24/04</u>	Time: <u>1420</u>
Released by (Signature):	Received by (Signature):	Date: <u>8/24/04</u>	Time: <u>1533</u>

O&E Sample (14) 808-8702

WELL GAUGING DATA

Project # 040824-M62 Date 8/24/04 Client Skell

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 (OC)	Hist. TD
* MW-1	2					34.66	57.32	↓	57.32
* MW-2	4					32.44	45.90		45.86
MW-3	4					32.09	34.60		34.61
* Gauged w/ ORC's in well.									

SHELL WELL MONITORING DATA SHEET

BTS #: 040824-MG2	Site: 4226 First St.
Sampler: MG	Date: 8/24/04
Well I.D.: MW-2	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 45.90	Depth to Water (DTW): 32.44
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]: 35.13	

Purge Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Water: <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other _____	Sampling Method: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
--	---	--

8.7 (Gals.) X 3 = 26.1 Gals. I Case Volume Specified Volumes Calculated Volume	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Well Diameter</th> <th style="text-align: left;">Multiplier</th> <th style="text-align: left;">Well Diameter</th> <th style="text-align: left;">Multiplier</th> </tr> <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> </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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1047	71.5	6.6	1638	25	9	
1050	70.9	8.0	1721	11	18	
1051	Well dewatered @ ~18 gals. DTW = 44.25'					
1214	71.4	7.7	1791	8	—	

Did well dewater? Yes No Gallons actually evacuated: 18

Sampling Date: 8/24/04 Sampling Time: 1215 Depth to Water: 42.60' @ site dep

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

