

20-360



Shell Oil Products US

February 2, 2005

Robert Shultz
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

Alameda County
FEB 7 2005
Environmental Health

Dear Mr. Shultz:

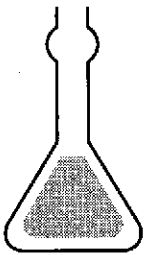
Attached for your review and comment is a copy of the *Fourth Quarter 2004 Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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
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

February 2, 2005
Project EQ-76.2A

REPORTS

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

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

Alameda County
FEB 7 2005
Environmental Health

Dear Mr. Shultz:

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).

Fourth Quarter 2004 Activities

During the fourth 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. 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.

Oxygen releasing compound (ORC) units are present in Wells MW-1 and MW-2 to enhance the natural biological degradation of petroleum hydrocarbons. Due to no observable appreciable effect since their installation, future replacement will not be performed.

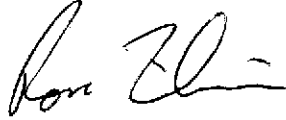
Anticipated First Quarter 2005 Activities

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

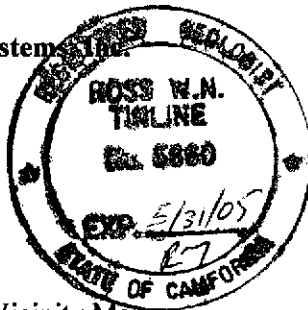
If you have any questions regarding this site, please contact me at (650) 551-0112.

Sincerely,

Toxichem Management Systems, Inc.

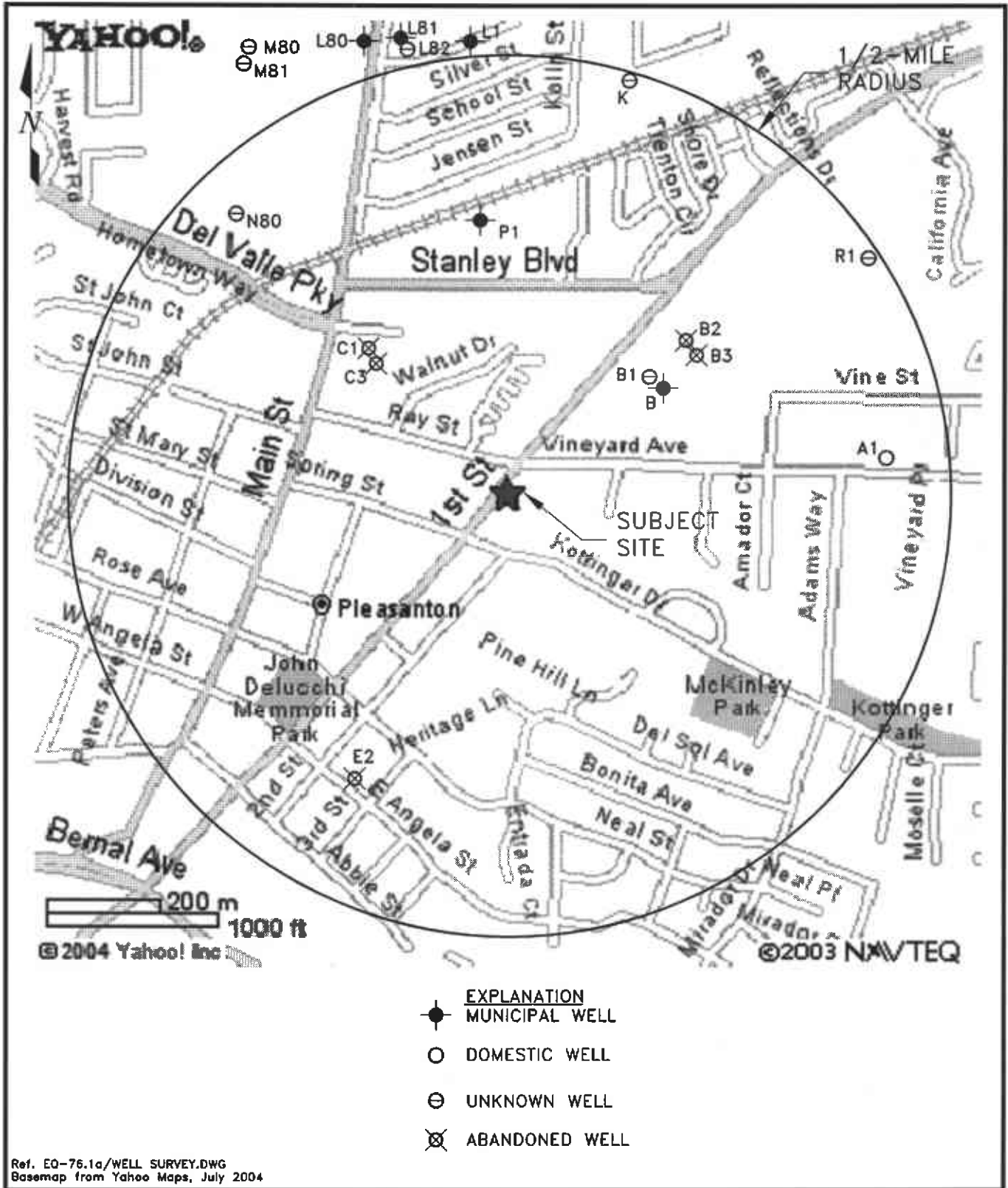


Ross Tinline, RG
Senior Geologist



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



PREPARED BY






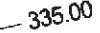

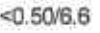
TOXICHEM
Management
Systems, Inc.
 Environmental & Occupational Health Services

Shell-Branded Service Station
 4226 First Street
 Pleasanton, California

SITE VICINITY AND WELL SURVEY MAP

FIGURE:
1
 PROJECT:
 EQ-76

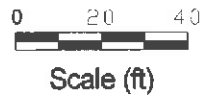
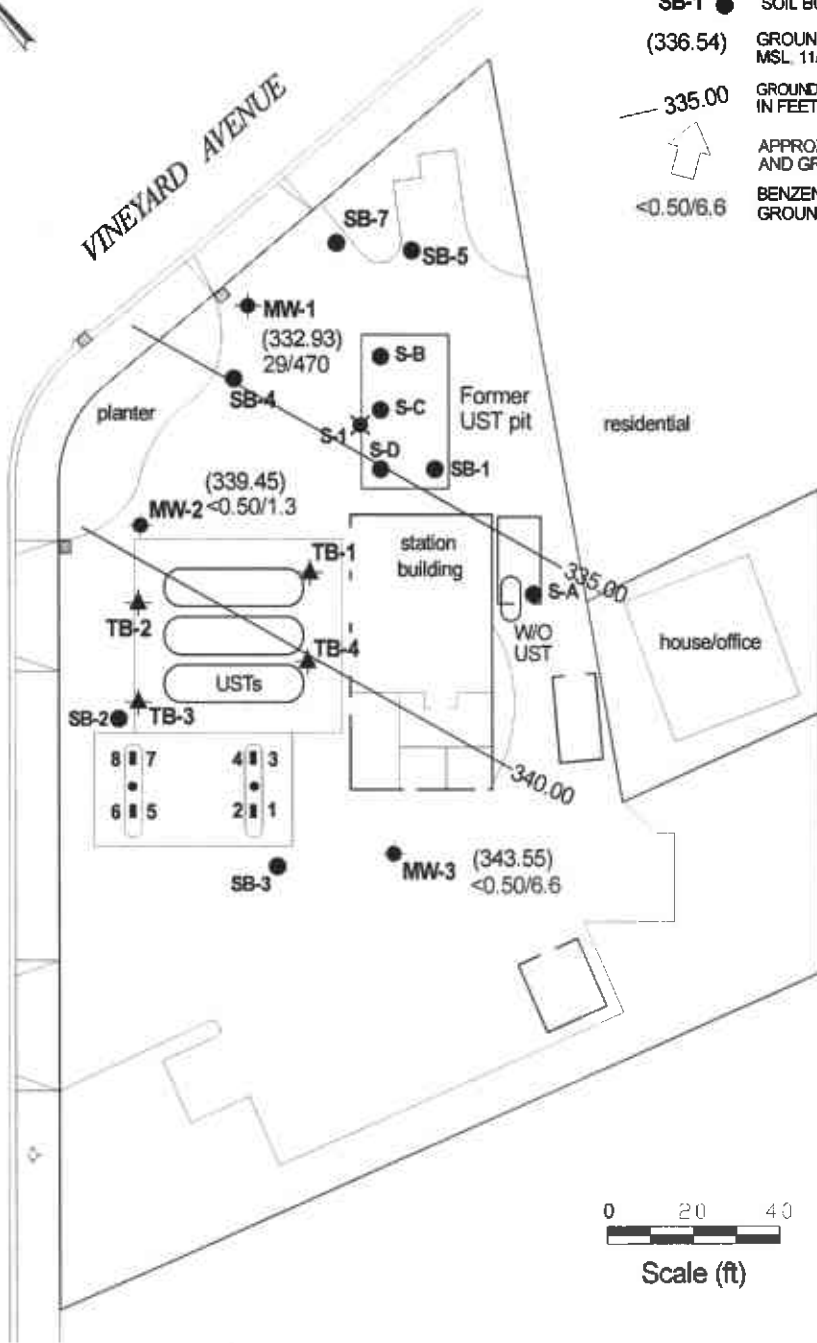
LEGEND

- MW-1  MONITORING WELL LOCATION AND DESIGNATION
- S-1  DESTROYED WELL
- TB-1  DESTROYED OBSERVATION WELL LOCATION
- SB-1  SOIL BORING LOCATION
- (336.54)  GROUNDWATER ELEVATION IN FEET-MSL 11/15/04
- 335.00  GROUNDWATER ELEVATION CONTOUR IN FEET-MSL
-  APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND GRADIENT = 0.11
- <0.50/6.6  BENZENE/MTBE CONCENTRATIONS IN GROUNDWATER IN ug/L, 11/15/04



FIRST STREET

VINEYARD AVENUE



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, NOVEMBER 15, 2004**

**FIGURE:
2
PROJECT:
EQ-76**

ATTACHMENT A
FOURTH QUARTER 2004 GROUNDWATER MONITORING DATA

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

December 15, 2004

Karen Petryna
Shell Oil Products US
2095 South Wilmington Avenue
Carson, CA 90810

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

Monitoring performed on November 15, 2004

Groundwater Monitoring Report **041115-WC-4**

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.

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0655

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)
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-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

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	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-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

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	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
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	MTBE	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
							8020 (ug/L)	8260 (ug/L)			

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.

December 01, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 041115-WC4
Project: 98995840
Site: 4226 First Street, Pleasanton

Dear Mr. Gearhart,

Attached is our report for your samples received on 11/16/2004 17:05
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
12/31/2004 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: 041115-WC4
98995840

Received: 11/16/2004 17:05

Site: 4226 First Street, Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	11/15/2004 16:57	Water	1
MW-2	11/15/2004 16:48	Water	2
MW-3	11/15/2004 16:06	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: 041115-WC4
98995840

Received: 11/16/2004 17:05

Site: 4226 First Street, Pleasanton

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-1 Lab ID: 2004-11-0528 - 1
Sampled: 11/15/2004 16:57 Extracted: 11/27/2004 13:44
Matrix: Water QC Batch#: 2004/11/27-1B.66
Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	250	ug/L	5.00	11/27/2004 13:44	
Benzene	29	2.5	ug/L	5.00	11/27/2004 13:44	
Toluene	ND	2.5	ug/L	5.00	11/27/2004 13:44	
Ethylbenzene	ND	2.5	ug/L	5.00	11/27/2004 13:44	
Total xylenes	ND	5.0	ug/L	5.00	11/27/2004 13:44	
Methyl tert-butyl ether (MTBE)	470	2.5	ug/L	5.00	11/27/2004 13:44	
Surrogate(s)						
1,2-Dichloroethane-d4	109.3	76-130	%	5.00	11/27/2004 13:44	
Toluene-d8	100.7	78-115	%	5.00	11/27/2004 13:44	

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: 041115-WC4
98995840

Received: 11/16/2004 17:05

Site: 4226 First Street, Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-2	Lab ID: 2004-11-0528 - 2
Sampled: 11/15/2004 16:48	Extracted: 11/27/2004 14:07
Matrix: Water	QC Batch#: 2004/11/27-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	11/27/2004 14:07	
Benzene	ND	0.50	ug/L	1.00	11/27/2004 14:07	
Toluene	ND	0.50	ug/L	1.00	11/27/2004 14:07	
Ethylbenzene	ND	0.50	ug/L	1.00	11/27/2004 14:07	
Total xylenes	ND	1.0	ug/L	1.00	11/27/2004 14:07	
Methyl tert-butyl ether (MTBE)	1.3	0.50	ug/L	1.00	11/27/2004 14:07	
Surrogate(s)						
1,2-Dichloroethane-d4	104.5	76-130	%	1.00	11/27/2004 14:07	
Toluene-d8	103.6	78-115	%	1.00	11/27/2004 14:07	

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: 041115-WC4
98995840

Received: 11/16/2004 17:05

Site: 4226 First Street, Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2004-11-0528 - 3
Sampled:	11/15/2004 16:06	Extracted:	11/27/2004 14:29
Matrix:	Water	QC Batch#:	2004/11/27-1B.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline (Shell)	ND	50	ug/L	1.00	11/27/2004 14:29	
Benzene	ND	0.50	ug/L	1.00	11/27/2004 14:29	
Toluene	ND	0.50	ug/L	1.00	11/27/2004 14:29	
Ethylbenzene	ND	0.50	ug/L	1.00	11/27/2004 14:29	
Total xylenes	ND	1.0	ug/L	1.00	11/27/2004 14:29	
Methyl tert-butyl ether (MTBE)	6.6	0.50	ug/L	1.00	11/27/2004 14:29	
Surrogate(s)						
1,2-Dichloroethane-d4	98.8	76-130	%	1.00	11/27/2004 14:29	
Toluene-d8	100.1	78-115	%	1.00	11/27/2004 14:29	

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: 041115-WC4
98995840

Received: 11/16/2004 17:05

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/27-1B.66-038

Water

Test(s): 8260B

QC Batch # 2004/11/27-1B.66

Date Extracted: 11/27/2004 06:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/27/2004 06:38	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/27/2004 06:38	
Benzene	ND	0.5	ug/L	11/27/2004 06:38	
Toluene	ND	0.5	ug/L	11/27/2004 06:38	
Ethylbenzene	ND	0.5	ug/L	11/27/2004 06:38	
Total xylenes	ND	1.0	ug/L	11/27/2004 06:38	
Surrogates(s)					
1,2-Dichloroethane-d4	93.2	76-130	%	11/27/2004 06:38	
Toluene-d8	96.8	78-115	%	11/27/2004 06:38	

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

11/30/2004 15:08

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: 041115-WC4
98995840

Received: 11/16/2004 17:05

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/11/27-1B.66

LCS 2004/11/27-1B.66-015

Extracted: 11/27/2004

Analyzed: 11/27/2004 06:15

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.9		25	95.6			65-165	20		
Benzene	26.6		25	106.4			69-129	20		
Toluene	30.5		25	122.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	451		500	90.2			76-130			
Toluene-d8	500		500	100.0			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

11/30/2004 15:08

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: 041115-WC4
98995840

Received: 11/16/2004 17:05

Site: 4226 First Street, Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/27-1B.66

MS/MSD

Lab ID: 2004-11-0565 - 003

MS: 2004/11/27-1B.66-019

Extracted: 11/27/2004

Analyzed: 11/27/2004 10:00

Dilution: 1.00

MSD: 2004/11/27-1B.66-022

Extracted: 11/27/2004

Analyzed: 11/27/2004 10:22

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	24.2	21.6	ND	25	96.8	86.4	11.4	65-165	20		
Benzene	25.5	21.8	ND	25	102.0	87.2	15.6	69-129	20		
Toluene	28.3	26.2	ND	25	113.2	104.8	7.7	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	480	460		500	95.9	92.0		76-130			
Toluene-d8	515	506		500	103.0	101.2		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: 041115-WC4

98995840

Received: 11/16/2004 17:05

Site: 4226 First Street, Pleasanton

Legend and Notes

Analysis Flag

L2

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

SHELL Chain Of Custody Record

95769

Lab Identification (if necessary)

Address

City, State, Zip

Shell Project Manager to be Invoiced:
Karen Petryna
2004-11-0528

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 8 4 0

SAP or CRMT NUMBER (TS/CRMT)

DATE: 11/15/04

PAGE: 1 of 1

Blaine Tech Services ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112 PROJECT CONTACT (email or PDF format): Lech Gearhart TELEPHONE: 408-573-0555 FAX: 408-573-7771 EMAIL: lgearhart@blaintech.com		LOC CODE: BTSS	SITE ADDRESS (Street and City): 4226 First Street, Pleasanton	GLOBAL ID NO.: T0600101259
TURNAROUND TIME (BUSINESS DAYS) <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		REQUESTED ANALYSIS		

LA - RWQCB REPORT FORMAT VST AGENCY
 OCM'S MTRC CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____
 SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EOD IS NOT NEEDED

LAB USE ONLY	Field Sample Identification	SAMPLING		MAY/TK	NO. OF CONT.	TPH - Gas, Purgeable	BTX	MTBE (3021B - 5ppb RL)	MTBE (2260B - 0.51ppb RL)	Oxyperates (S) by (2260B)	Ethanol (2260B)	Methanol	1,2-DCA (2260B)	EOD (2260B)	TPH - Cleat, Extractable (2619m)	TEMPERATURE ON RECEIPT	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME															
	MW-1	11/15	1657	H2O	3HCL	XX	XX	XX										
	MW-2	↓	1648	↓	↓	XX	XX	XX										
	MW-3	↓	1606	↓	↓	XX	XX	XX										

Requested by (Signature): <i>W. J. Crow</i> Requested by (Signature): <i>[Signature]</i> Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i> Received by (Signature): <i>[Signature]</i> Received by (Signature): <i>[Signature]</i>	Date: 11/16/04 Date: 11/16/04 Date:	Time: 1705 Time: 1856 Time:
---	---	---	-----------------------------------

D:\C:\csc\shell\7113\894-9762

WELL GAUGING DATA

Project # 041115-WC4 Date 11/15/04 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
mw-1	2	*				38.27	57.28	↓
mw-2	4	*			32.95	31.50	45.90	
mw-3	4					31.50	34.67	
* REMOVED ORC'S TO GAUGE WELLS - ALLOWED 10 MINUTES FOR STABILIZATION								

SHELL WELL MONITORING DATA SHEET

BTS #: 041115-WC4	Site: 4226 First St, Pleasanton
Sampler: WC	Date: 11/15/04
Well I.D.: MW-1	Well Diameter: ② 3 4 6 8 _____
Total Well Depth (TD): 57.28	Depth to Water (DTW): 38.27
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVO Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 42.07	

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

$\frac{3.0}{1 \text{ Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{9}{\text{Calculated Volume}} \text{ Gals.}$	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
1628	64.9	7.8	1907	143	3	clear
1633	66.2	8.3	1967	33	6	"
1639	66.0	6.7	1929	25	9	" DTW=46.9
1656	66.2	6.9	1934	59	DTW=43.76 @ departure	

Did well dewater? Yes <input checked="" type="radio"/> No	Gallons actually evacuated: 9		
Sampling Date: 11/15/04	Sampling Time: 1657	Depth to Water: 43.76	
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 #: 041115-WC4	Site: 4226 First St, Pleasanton
Sampler: WC	Date: 11/15/04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 45.90	Depth to Water (DTW): 32.95
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]: 35.54	

Purge Method: Bailer Watera Sampling Method: (Bailer)
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 (Electric Submersible) Other _____ Dedicated Tubing
 Other: _____

8.4 (Gals.) X	3	= 25.2 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 (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1539	69.0	8.1	1579	230	9	clear
1541	69.7	7.4	1709	303	18	"
1543	69.9	7.4	1666	150	26	" DTW=42.8
1647	69.4	7.5	1682	187	DTW=36.84 @ departure	

Did well dewater? Yes No Gallons actually evacuated: 26

Sampling Date: 11/15/04 Sampling Time: 1648 Depth to Water: 36.84

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 #: 041115-WC41	Site: 4226 First St., Pleasanton
Sampler: WC	Date: 11/15/04
Well I.D.: MW-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 34.67	Depth to Water (DTW): 31.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.13	

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: _____

2.1	(Gals.) X	3	=	6.1	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 (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1557	68.7	6.4	1160	109	3	clear
1557	69.7	6.2	953	52	5	"
1558	69.2	6.3	997	56	7	"

Did well dewater? Yes No Gallons actually evacuated: 7

Sampling Date: 11/15/04 Sampling Time: 1506 Depth to Water: 31.97

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