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Alameda County
Environmental Health

November 10, 2009

Re: Third Quarter 2009 Groundwater Monitoring Report
Shell-Branded Service Station
4212 (*aka* 4226) First Street
Pleasanton, California

Dear Mr. Jerry Wickham:

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,
Shell Oil Products US



Denis L. Brown
Project Manager

November 10, 2009
Delta Project No. SCA421211A
SAP No. 135782

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

**Re: THIRD QUARTER 2009
GROUNDWATER MONITORING REPORT**
Shell-Branded Service Station
4212 (aka 4226) First Street
Pleasanton, California



Dear Mr. Wickham:

On behalf of Shell Oil Products (Shell), Delta Consultants (Delta) has prepared this *Third Quarter 2009 Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were conducted by Blaine Tech Services, Inc. under direct contract to Shell and included the collection of groundwater samples and static water level measurements. Delta does not provide any oversight of Blaine Tech Services Inc's work or protocol. A Delta staff member performed an evaluation of the data provided to us under the supervision of a California Registered Civil Engineer or a California Professional Geologist.

This report represents Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

If you have any questions regarding this site, please contact Ms. Suzanne McClurkin-Nelson (Delta Project Manager) at (408) 826-1875 or Mr. Denis Brown (Shell Site Manager) at (707) 865-0251.

Sincerely,
Delta Consultants



Suzanne McClurkin-Nelson
Senior Project Manager



Regina Bussard, P.G.
Project Geologist



Attachment: Third Quarter 2009 Groundwater Monitoring Report

cc: Mr. Denis Brown, Shell Oil Products US

SHELL QUARTERLY STATUS REPORT

Station Address:	4212 (aka 4226) First Street, Pleasanton, California
DELTA Project No.:	SCA421211A
SHELL Project Manager / Phone No.:	Denis Brown / (707) 865-0251
DELTA Site Manager / Phone No.:	Suzanne McClurkin-Nelson / (408) 826-1875
Primary Agency / Regulatory ID No.:	Alameda County Environmental Health (Mr. Jerry Wickham, P.G., CHG)
Other Agencies to Receive Copies:	None

WORK PERFORMED THIS QUARTER (THIRD –2009):

1. Quarterly groundwater monitoring and sampling. Submitted quarterly report.
2. Begin Remediation system design.

WORK PROPOSED FOR NEXT QUARTER (FOURTH –2009):

1. Quarterly groundwater monitoring and sampling. Submit quarterly report.
2. Complete Soil Vapor Extraction system design, submit permit application package to building permit, submit Bay Area Air Quality Management District application for Authority to Construct.

Current Phase of Project:	Groundwater monitoring
Site Use:	Shell-branded Service Station
Frequency of Sampling:	Quarterly
Frequency of Monitoring:	Quarterly
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Cumulative SPH Recovered to Date :	NA
SPH Recovered This Quarter :	None
Sensitive Receptor(s) and Respective Direction(s):	The Arroyo Del Valle Creek is located approximately 1,133 feet north-west of the site. A supply well (3S/1E-21C1) was located 1,000 feet northwest of the site and a municipal well (3S/1E-16P10) was located approximately 1,200 feet north of the site.
Site Lithology:	The site is underlain by interlayered silt, silty sand, gravelly sand and silty gravel.
Current Remediation Techniques:	Quarterly monitoring of natural attenuation
Permits for Discharge:	None
Groundwater Recovered This Quarter:	74.8 gallons were recovered during sampling on August 20, 2009.

SHELL QUARTERLY STATUS REPORT (CONT.)

Approximate Depth to Groundwater:	32.42 to 34.48 feet below top of well casing. 97.32 feet below top of well casing in deeper Well MW1-B.
Groundwater Gradient:	Northeast at approximately 0.05 ft/ft
Current Agency Correspondence:	ACHCSA letter dated August 7, 2009 approving Interim Remediation work Plan
Date of Most Recent Work Plan Approval:	August 7, 2009
Site History:	
Case Opening	1985
Onsite Assessment	1986 - 2007
Offsite Assessment	None
Passive Remediation	Monitoring Natural Attenuation
Active Remediation	June 2007, Step Draw Down; June, August 2007, Batch Extraction February 12, 2009, Dual-Phase Extraction Pilot Test
Closure	None
Summary of Unusual Activity:	None

Analytical results are consistent with historical trend. The remediation system design is being developed for submittal with a permit application package to the building department during the fourth quarter 2009, along with an application to the local air district for a discharge permit.

ATTACHMENTS:

Figures:

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Contour Map – 8/20/2009

Figure 3 – Hydrocarbon Distribution in Groundwater Map – 8/20/2009

Table:

Table 1 – Well Concentrations

Appendices:

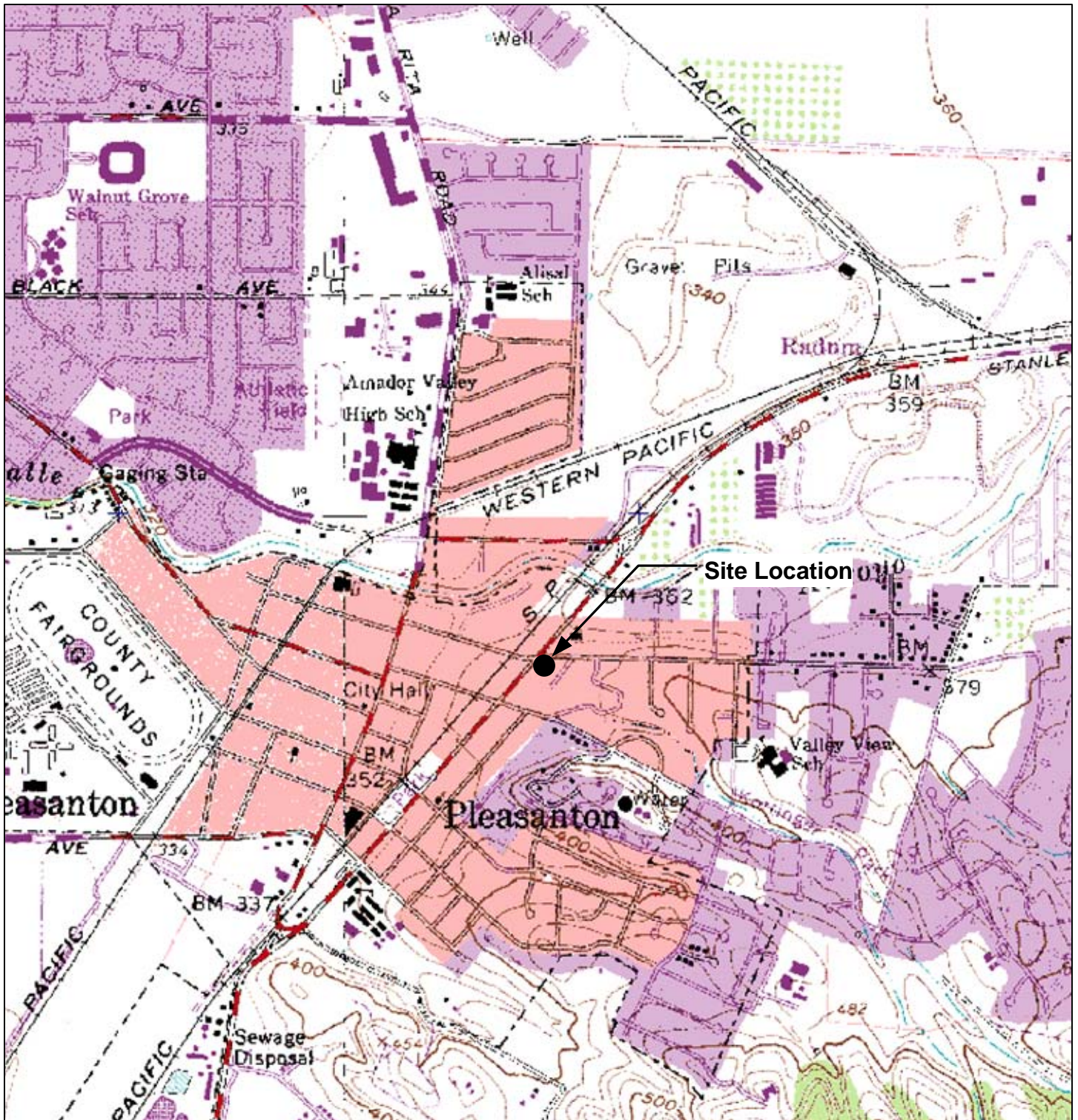
Appendix A – Agency Correspondence

Appendix B – Blaine Tech Services, Inc. Field Data Sheets

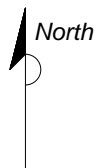
Appendix C – Blaine Tech Services, Inc. Field Procedures

Appendix D – Certified Analytical Report with Chain-of-Custody Documentation

FIGURES



GENERAL NOTES:
 Base Map from: DeLorme Yarmouth, ME 04096
 Source Data: USGS



QUADRANGLE LOCATION

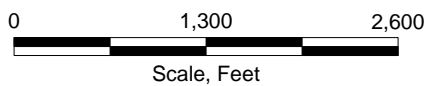


FIGURE 1
 SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION
 4212 First Street
 Pleasanton, California

PROJECT NO. SCA421211A	DRAWN BY V. F. 5/5/05
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY

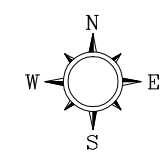
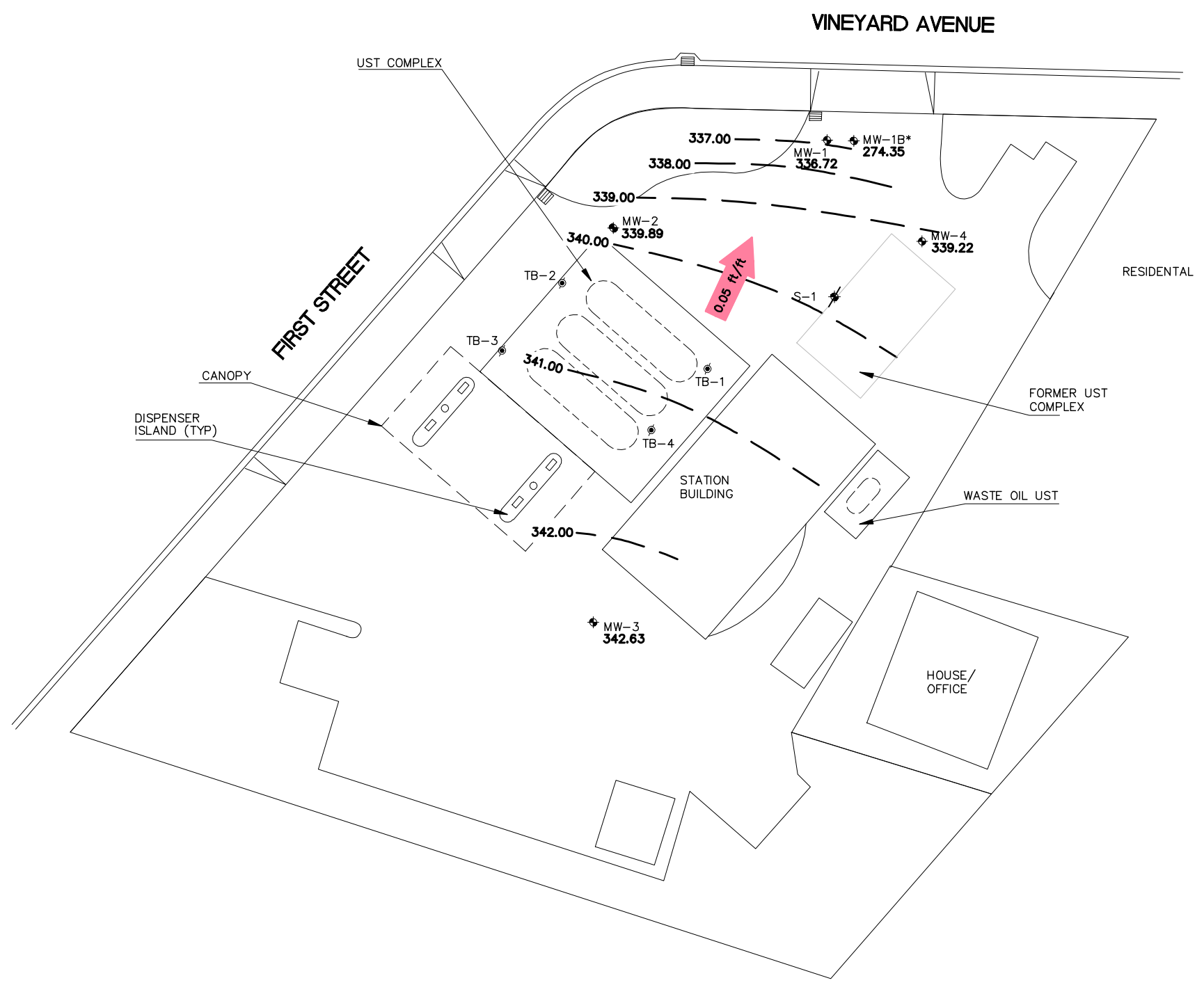
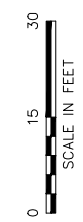


PROJECT NUMBER SCA421211A

APPROVED BY

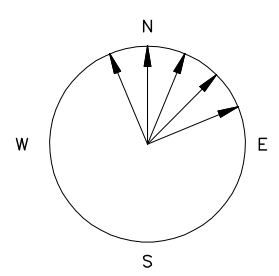
CHECKED BY

DRAWN BY J.F.F. 9/16/2009



LEGEND

- MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- S-1 DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- TB-1 ABANDONED TANK BACKFILL WELL LOCATION
- 343.08 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
- 344.00 GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=1.0 FEET
- MW-1B* MONITORS DEEPER WATER BEARING ZONE; NOT USED IN CONTOURING
- 0.05 ft/ft APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)



DATE	FLOW DIRECTION
8/5/2005	ENE
11/22/2005	ENE
2/7/2006	NNE
5/18/2006	NNE
8/21/2006	N
11/14/2006	N
2/1/2007	NNE
8/22/2007	N, NNE
11/26/2007	NNE
2/19/2008	NNW
5/23/2008	N
8/7/2008	N, NNW
12/3/2008	NNE
2/5/2009	NNE
5/7/2009	NNW
8/20/2009	NE



SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP
8/20/2009
4212 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA421211A
 APPROVED BY
 CHECKED BY
 DRAWN BY 9/16/2009 J.F.F.

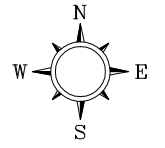
MW-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/20/09	3,100	86	2,500	730

MW-2				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/20/09	2,800	ND<10	2,400	ND<200

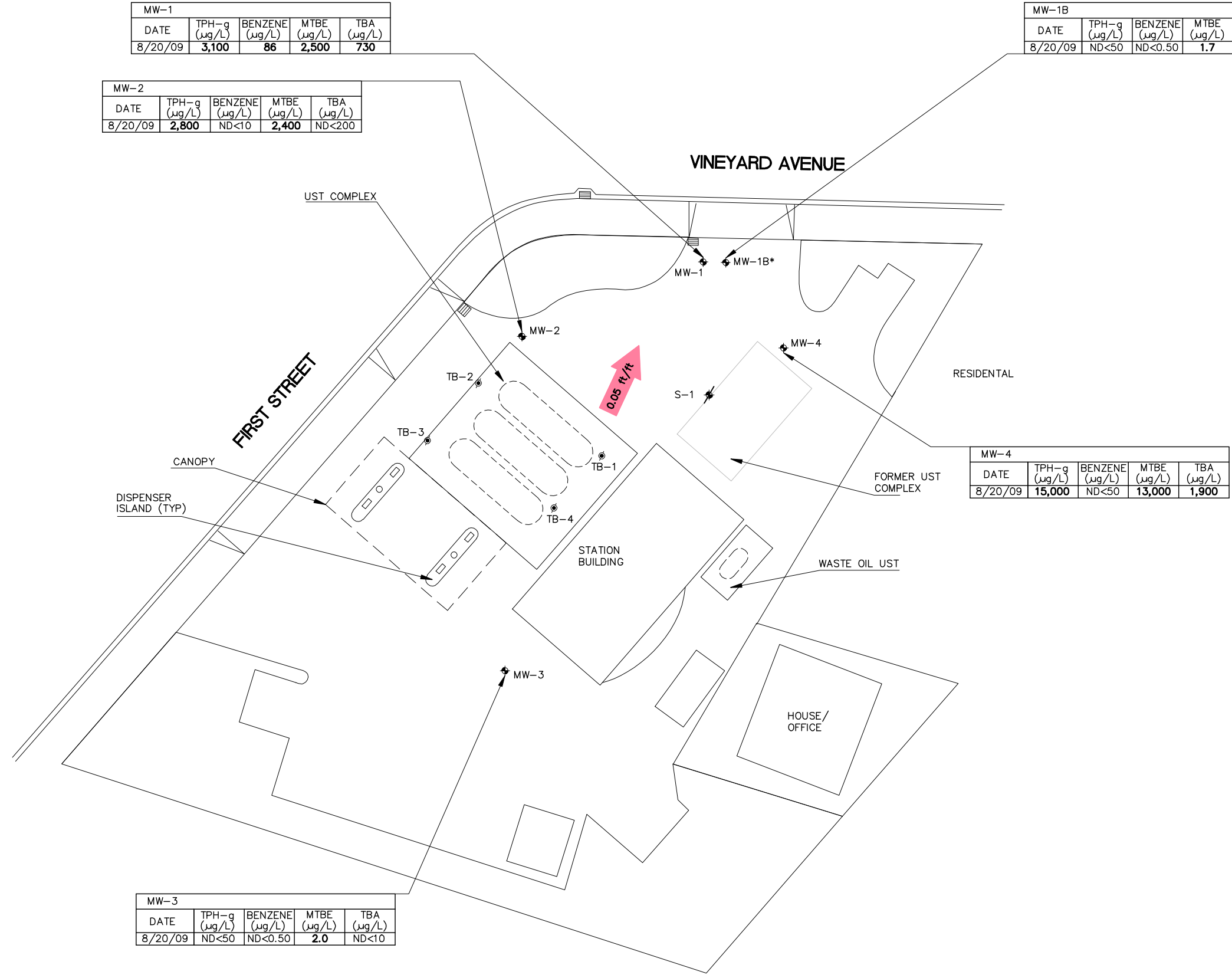
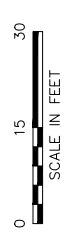
MW-1B				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/20/09	ND<50	ND<0.50	1.7	ND<10

MW-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/20/09	15,000	ND<50	13,000	1,900

MW-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/20/09	ND<50	ND<0.50	2.0	ND<10



- LEGEND
- MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - S-1 DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - TB-1 ABANDONED TANK BACKFILL WELL LOCATION
 - TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
 - MTBE METHYL TERT-BUTYL ETHER
 - TBA TERT-BUTYL ALCOHOL
 - µg/L MICROGRAMS PER LITER
 - ND< NOT DETECTED ABOVE LIMIT NOTED
 - MW-1B* MONITORS DEEPER WATER BEARING ZONE
 - 0.05 ft/ft APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)



SHELL OIL PRODUCTS US
 SHELL-BRANDED SERVICE STATION
 PLEASANTON, CALIFORNIA

FIGURE 3
GROUNDWATER HYDROCARBON
DISTRIBUTION MAP
8/20/2009

4212 FIRST STREET
 PLEASANTON, CALIFORNIA

TABLE

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	6/16/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371.20	37.81	333.39
MW-1	6/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	NA	NA	NA	NA	NA	371.20	33.65	337.55
MW-1	9/24/1999	1,560	473	<10.0	<10.0	22.8	<2.50	NA	NA	NA	NA	NA	371.20	37.04	334.16
MW-1	12/8/1999	1,020	375	<5.00	<5.00	15.2	<50.0	NA	NA	NA	NA	NA	371.20	36.79	334.41
MW-1	2/10/2000	523	106	<5.00	<5.00	31.8	2.9	NA	NA	NA	NA	NA	371.20	34.90	336.30
MW-1	5/17/2000	<50.0	<0.500	<0.500	<0.500	<0.500	37	29.5	NA	NA	NA	NA	371.20	32.55	338.65
MW-1	8/3/2000	808	290	<2.50	<2.50	8.9	<12.5	NA	NA	NA	NA	NA	371.20	39.13	332.07
MW-1	10/31/2000	507	250	0.962	<0.500	23.5	3.76	NA	NA	NA	NA	NA	371.20	37.91	333.29
MW-1	3/1/2001	<50.0	<0.500	<0.500	<0.500	<0.500	74.6	NA	NA	NA	NA	NA	371.20	39.60	331.60
MW-1	5/30/2001	780	280	<2.0	<2.0	11	NA	<2.0	NA	NA	NA	NA	371.20	39.53	331.67
MW-1	8/2/2001	1,900	580	<2.5	<2.5	12	NA	<25	NA	NA	NA	NA	371.20	39.61	331.59
MW-1	12/6/2001	840	190	<0.50	<0.50	13	NA	<5.0	NA	NA	NA	NA	371.20	39.63	331.57
MW-1	2/5/2002	2,700	650	<2.5	<2.5	7.2	NA	<25	NA	NA	NA	NA	371.20	35.53	335.67
MW-1	6/17/2002	2,500	550	<2.0	<2.0	5.9	NA	<20	NA	NA	NA	NA	371.20	39.29	331.91
MW-1	7/25/2002	690	130	<0.50	<0.50	4.4	NA	18	NA	NA	NA	NA	371.20	39.39	331.81
MW-1	11/14/2002	400	31	<0.50	<0.50	2.7	NA	27	NA	NA	NA	NA	371.20	40.00	331.20
MW-1	2/12/2003	840	0.85	<0.50	<0.50	<0.50	NA	40	NA	NA	NA	NA	371.20	32.92	338.28
MW-1	5/14/2003	680	190	<2.5	<2.5	<5.0	NA	95	NA	NA	NA	NA	371.20	32.57	338.63
MW-1	7/29/2003	870	190	<2.5	<2.5	<5.0	NA	150	NA	NA	NA	NA	371.20	33.82	337.38
MW-1	11/19/2003	<200	14	<2.0	<2.0	<4.0	NA	230	NA	NA	NA	NA	371.20	38.28	332.92
MW-1	2/19/2004	58 d	11	<0.50	<0.50	<1.0	NA	85	NA	NA	NA	NA	371.20	36.93	334.27
MW-1	5/3/2004	670	310	<2.5	<2.5	<5.0	NA	420	NA	NA	NA	NA	371.20	32.70	338.50
MW-1	8/24/2004	430 d	34	<2.5	<2.5	<5.0	NA	690	NA	NA	NA	NA	371.20	34.66	336.54
MW-1	11/15/2004	<250	29	<2.5	<2.5	<5.0	NA	470	NA	NA	NA	NA	371.20	38.27	332.93
MW-1	2/2/2005	540 e	87	<2.5	<2.5	<5.0	NA	700	NA	NA	NA	NA	371.20	32.02	339.18
MW-1	5/5/2005	460 e	88	<2.5	<2.5	<5.0	NA	300	NA	NA	NA	NA	371.20	36.82	334.38
MW-1	8/5/2005	910	230	<2.5	<2.5	<5.0	NA	480	NA	NA	NA	NA	371.20	33.35	337.85
MW-1	11/22/2005	1,760	27	<0.500	<0.500	1	NA	1,160	NA	NA	NA	NA	371.20	33.42	337.78
MW-1	2/7/2006	4,620	225	<0.500	<0.500	<0.500	NA	1,480	NA	NA	NA	NA	371.20	31.63	339.57

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-1	5/16/2006	1,100	130	<0.50	2	2	NA	1,600	NA	NA	NA	NA	371.20	31.16	340.04
MW-1	8/21/2006	2,700	86	<0.500	1	1	NA	1,960	NA	NA	NA	NA	371.20	33.07	338.13
MW-1	11/14/2006	1,400 g	30	<25	<25	<25	NA	2,100	<25	<25	<25	<1,000	371.20	33.73	337.47
MW-1	2/1/2007	800	21	<0.50	<0.50	<1.0	NA	2,300	NA	NA	NA	NA	371.20	33.02	338.18
MW-1	6/1/2007	1,400 j,k	68	<20	<20	4.4 l	NA	2,200	NA	NA	NA	NA	371.20	32.87	338.33
MW-1	8/22/2007	250 j	20	<20	<20	<20	NA	3,100	NA	NA	NA	1,500	371.20	34.64	336.56
MW-1	11/26/2007	1,800 j	33	<20	<20	<20	NA	3,100	<40	<40	<40	930	371.20	35.59	335.61
MW-1	2/19/2008	1,800 j	33	<20	<20	<20	NA	3,700	NA	NA	NA	1,700	371.20	31.05	340.15
MW-1	5/23/2008	3,700	100	<25	<25	<25	NA	3,100	NA	NA	NA	1,300	371.20	31.80	339.40
MW-1	8/7/2008	4,200	33	<25	<25	<25	NA	3,500	NA	NA	NA	<250	371.20	33.03	338.17
MW-1	12/3/2008	3,400	34	<25	<25	<25	NA	3,200	NA	NA	NA	980	371.20	35.19	336.01
MW-1	2/5/2009	2,100	26	<25	<25	<25	NA	1,700	NA	NA	NA	340	371.20	35.07	336.13
MW-1	5/7/2009	4,400	230	<25	<25	<25	NA	3,700	NA	NA	NA	980	371.20	32.45	338.75
MW-1	8/20/2009	3,100	86	<25	<25	<25	NA	2,500	NA	NA	NA	730	371.20	34.48	336.72

MW-1B	9/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371.67	76.94	294.73
MW-1B	9/28/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	21	NA	NA	NA	<20	371.67	77.15	294.52
MW-1B	11/14/2006	320 g	<5.0	<5.0	<5.0	<5.0	NA	310	<5.0	<5.0	<5.0	<200	371.67	69.38	302.29
MW-1B	2/1/2007	77	0.53	<0.50	<0.50	<1.0	NA	150	NA	NA	NA	NA	371.67	60.92	310.75
MW-1B	6/1/2007	<50 j,k	0.25 l	<1.0	<1.0	<1.0	NA	74	NA	NA	NA	NA	371.67	61.07	310.60
MW-1B	8/22/2007	<50 j	0.25 l	<1.0	<1.0	<1.0	NA	35	NA	NA	NA	7.1 l	371.67	77.54	294.13
MW-1B	11/26/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	1.7	<2.0	<2.0	<2.0	<10	371.67	68.50	303.17
MW-1B	2/19/2008	65 j	2.6	4.2	<1.0	1.1	NA	58	NA	NA	NA	<10	371.67	57.21	314.46
MW-1B	5/23/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.6	NA	NA	NA	<10	371.67	57.53	314.14
MW-1B	8/7/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	371.67	72.51	299.16
MW-1B	12/3/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.4	NA	NA	NA	<10	371.67	80.84	290.83
MW-1B	2/5/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	4.4	NA	NA	NA	<10	371.67	76.11	295.56
MW-1B	5/7/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	2.5	NA	NA	NA	13	371.67	66.97	304.70
MW-1B	8/20/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	1.7	NA	NA	NA	<10	371.67	97.32	274.35

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-2	2/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.40	32.65	339.75
MW-2	2/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.40	35.51	336.89
MW-2	2/10/2000	<50.0	<0.500	<0.500	<0.500	<0.500	2.61	NA	NA	NA	NA	NA	372.40	36.62	335.78
MW-2	5/17/2000	120	4.09	<0.500	<0.500	<0.500	29	NA	NA	NA	NA	NA	372.40	32.14	340.26
MW-2	8/3/2000	<50.0	0.692	<0.500	<0.500	<0.500	40.5	36.6b	NA	NA	NA	NA	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	NA	NA	NA	NA	372.40	33.02	339.38
MW-2	3/1/2001	173	1.64	1.65	2.86	3.97	127	167	NA	NA	NA	NA	372.40	32.54	339.86
MW-2	5/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	NA	372.40	32.42	339.98
MW-2	8/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	160	NA	NA	NA	NA	372.40	32.55	339.85
MW-2	12/6/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	NA	372.40	33.15	339.25
MW-2	2/5/2002	<50	0.72	<0.50	<0.50	1.7	NA	170	NA	NA	NA	NA	372.40	32.29	340.11
MW-2	6/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	260	NA	NA	NA	NA	372.40	32.63	339.77
MW-2	7/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	280	NA	NA	NA	NA	372.40	32.80	339.60
MW-2	11/14/2002	120	13	9	3.8	14	NA	430	NA	NA	NA	NA	372.40	33.31	339.09
MW-2	2/12/2003	<100	<1.0	<1.0	<1.0	<1.0	NA	430	NA	NA	NA	NA	372.40	32.15	340.25
MW-2	5/14/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	470	NA	NA	NA	NA	372.40	32.01	340.39
MW-2	7/29/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	670	NA	NA	NA	NA	372.40	32.51	339.89
MW-2	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	54	NA	NA	NA	NA	372.40	33.83	338.57
MW-2	2/19/2004	65	<0.50	3.4	1.4	6.5	NA	8.2	NA	NA	NA	NA	372.40	32.68	339.72
MW-2	5/3/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	5.2	NA	NA	NA	NA	372.40	32.07	340.33
MW-2	8/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	2.7	NA	NA	NA	NA	372.40	32.44	339.96
MW-2	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	372.40	32.95	339.45
MW-2	2/2/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	372.40	31.94	340.46
MW-2	5/5/2005	72 f	<0.50	<0.50	<0.50	<1.0	NA	4.9	NA	NA	NA	NA	372.40	31.91	340.49
MW-2	8/5/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	372.40	32.15	340.25
MW-2	11/22/2005	840	1	<0.500	<0.500	1	NA	556	NA	NA	NA	NA	372.40	32.31	340.09
MW-2	2/7/2006	3,550	<0.500	<0.500	<0.500	<0.500	NA	2,500	NA	NA	NA	NA	372.40	31.70	340.70
MW-2	5/16/2006	1,400	<5.0	<5.0	<5.0	<10	NA	1,700	NA	NA	NA	NA	372.40	31.38	341.02

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-2	8/21/2006	1,910	<0.500	<0.500	<0.500	<0.500	NA	2,590	NA	NA	NA	NA	372.40	33.29	339.11
MW-2	11/14/2006	2,300 g	<25	<25	<25	<25	NA	2,500	<25	<25	<25	<1,000	372.40	32.67	339.73
MW-2	2/1/2007	670	<0.50	<0.50	<0.50	<1.0	NA	2,000	NA	NA	NA	NA	372.40	32.13	340.27
MW-2	6/1/2007	500 j,k	<10	<20	<20	<20	NA	2,000	NA	NA	NA	NA	372.40	32.14	340.26
MW-2	8/22/2007	100 j,k	<10	<20	<20	<20	NA	2,400	NA	NA	NA	120 l	372.40	32.93	339.47
MW-2	11/26/2007	1,600 j,k	<10	<20	<20	<20	NA	2,900	<40	<40	<40	<200	372.40	33.44	338.96
MW-2	2/19/2008	1,300 j,k	<10	<20	<20	<20	NA	3,300	NA	NA	NA	<200	372.40	31.18	341.22
MW-2	5/23/2008	1,900	<12	<25	<25	<25	NA	1,700	NA	NA	NA	<250	372.40	31.44	340.96
MW-2	8/7/2008	1,700	<10	<20	<20	<20	NA	1,300	NA	NA	NA	<200	372.40	31.94	340.46
MW-2	12/3/2008	3,000	<10	<20	<20	<20	NA	2,900	NA	NA	NA	<200	372.40	32.53	339.87
MW-2	2/5/2009	1,200	<10	<20	<20	<20	NA	1,000	NA	NA	NA	<200	372.40	32.29	340.11
MW-2	5/7/2009	2,400	<10	<20	<20	<20	NA	2,400	NA	NA	NA	<200	372.40	31.98	340.42
MW-2	8/20/2009	2,800	<10	<20	<20	<20	NA	2,400	NA	NA	NA	<200	372.40	32.51	339.89

MW-3	2/3/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	375.05	32.06	342.99
MW-3	2/7/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	375.05	32.57	342.48
MW-3	2/10/2000	180	5.12	<0.500	<0.500	0.714	26.8	21.5a	NA	NA	NA	NA	375.05	32.77	342.28
MW-3	5/17/2000	1,360	414	<5.00	<5.00	17.6	<25.0	NA	NA	NA	NA	NA	375.05	31.00	344.05
MW-3	8/3/2000	<50.0	0.536	<0.500	<0.500	<0.500	22	NA	NA	NA	NA	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	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	3/1/2001	384	172	0.815	<0.500	8	5.16	NA	NA	NA	NA	NA	375.05	31.21	343.84
MW-3	5/30/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	110	NA	NA	NA	NA	375.05	31.02	344.03
MW-3	8/2/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	93	NA	NA	NA	NA	375.05	30.94	344.11
MW-3	12/6/2001	110	<0.50	<0.50	<0.50	2.3	NA	180	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	2/5/2002	<50	0.89	0.6	<0.50	2.1	NA	130	NA	NA	NA	NA	375.05	31.12	343.93
MW-3	6/17/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	72	NA	NA	NA	NA	375.05	31.21	343.84
MW-3	7/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	81	NA	NA	NA	NA	375.05	30.96	344.09
MW-3	11/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	60	NA	NA	NA	NA	375.05	31.44	343.61
MW-3	2/12/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	43	NA	NA	NA	NA	375.05	31.28	343.77

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	5/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	375.05	31.20	343.85
MW-3	7/29/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	21	NA	NA	NA	NA	375.05	31.29	343.76
MW-3	11/19/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	8.2	NA	NA	NA	NA	375.05	31.86	343.19
MW-3	2/19/2004	81	0.67	4.4	1.8	8.6	NA	13	NA	NA	NA	NA	375.05	31.66	343.39
MW-3	5/3/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	13	NA	NA	NA	NA	375.05	31.72	343.33
MW-3	8/24/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	10	NA	NA	NA	NA	375.05	32.09	342.96
MW-3	11/15/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	6.6	NA	NA	NA	NA	375.05	31.50	343.55
MW-3	2/2/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	3.1	NA	NA	NA	NA	375.05	31.28	343.77
MW-3	5/5/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	2.3	NA	NA	NA	NA	375.05	31.42	343.63
MW-3	8/5/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	2.4	NA	NA	NA	NA	375.05	31.35	343.70
MW-3	11/22/2005	<50	<0.500	<0.500	<0.500	<0.500	NA	3.84	NA	NA	NA	NA	375.05	31.98	343.07
MW-3	2/7/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	375.05	31.24	343.81
MW-3	5/16/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	4.5	NA	NA	NA	NA	375.05	31.37	343.68
MW-3	8/21/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	4.04	NA	NA	NA	NA	375.05	31.95	343.10
MW-3	11/14/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	3.8	<0.50	<0.50	<0.50	<20	375.05	32.24	342.81
MW-3	2/1/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	2.8	NA	NA	NA	NA	375.05	32.17	342.88
MW-3	6/1/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	3.1	NA	NA	NA	NA	375.05	31.86	343.19
MW-3	8/22/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	4.6	NA	NA	NA	<10	375.05	32.18	342.87
MW-3	11/26/2007	<50 j	<0.50	<1.0	<1.0	<1.0	NA	3.5	<2.0	<2.0	<2.0	<10	375.05	32.69	342.36
MW-3	2/19/2008	<50 j	<0.50	1.2	<1.0	<1.0	NA	2.6	NA	NA	NA	<10	375.05	30.94	344.11
MW-3	5/23/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.6	NA	NA	NA	<10	375.05	31.45	343.60
MW-3	8/7/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	3.0	NA	NA	NA	<10	375.05	31.40	343.65
MW-3	12/3/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	2.1	NA	NA	NA	<10	375.05	32.12	342.93
MW-3	2/5/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	1.1	NA	NA	NA	<10	375.05	32.74	342.31
MW-3	5/7/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	375.05	31.69	343.36
MW-3	8/20/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	2.0	NA	NA	NA	<10	375.05	32.42	342.63
MW-4	9/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.78	31.58	341.20
MW-4	9/28/2006	11,000	<250	<250	<250	<250	NA	13,000	NA	NA	NA	<10,000	372.78	31.57	341.21

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	11/14/2006	30,000	<250	<250	<250	<250 h,i	NA	14,000	<250	<250	<250	<10,000	372.78	32.11	340.67
MW-4	2/1/2007	6,300	50	<5.0	19	120	NA	14,000	NA	NA	NA	NA	372.78	33.23	339.55
MW-4	6/1/2007	8,200 j	52	<25	26	150	NA	11,000	NA	NA	NA	NA	372.78	31.57	341.21
MW-4	8/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372.78	33.40	339.38
MW-4	11/26/2007	12,000 j	71	<100	<100	<100	NA	20,000	<200	<200	<200	<1,000	372.78	34.74	338.04
MW-4	2/19/2008	13,000 j	<100	<200	<200	<200	NA	18,000	NA	NA	NA	2,900	372.78	29.70	343.08
MW-4	5/23/2008	21,000	<100	<200	<200	<200	NA	16,000	NA	NA	NA	<2,000	372.78	31.67	341.11
MW-4	8/7/2008	27,000	<100	<200	<200	<200	NA	21,000	NA	NA	NA	<2,000	372.78	31.90	340.88
MW-4	12/3/2008	20,000	19	<25	<25	29	NA	21,000	NA	NA	NA	2,500	372.78	34.32	338.46
MW-4	2/5/2009	15,000	200	<200	<200	<200	NA	13,000	NA	NA	NA	<2,000	372.78	34.58	338.20
MW-4	5/7/2009	18,000	<100	<200	<200	<200	NA	17,000	NA	NA	NA	<2,000	372.78	31.34	341.44
MW-4	8/20/2009	15,000	<50	<100	<100	<100	NA	13,000	NA	NA	NA	1,900	372.78	33.56	339.22
TB-1	2/12/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-1	2/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.54	NA
TB-1	5/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	12.31	NA
TB-2	2/12/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-2	2/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.56	NA
TB-2	5/14/2003	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.54	NA
TB-3	2/12/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-3	2/28/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-3	5/14/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	2/12/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	2/28/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-4	5/14/2003	Well dry		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (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

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

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

**TABLE 1
HISTORIC WELL CONCENTRATIONS
Shell-branded Service Station
4212 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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- 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.
 - f = The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.
 - g = The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
 - h = Sample was originally analyzed with a positive result, however the reanalysis did not confirm the presence of the analyte.
 - i = Confirmatory analysis was past holding time.
 - j = Analyzed by EPA Method 8015B (M).
 - k = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
 - l = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
- 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.
 3Q06 survey data for wells MW-1B and MW-4 provided by Delta Environmental Consultants, Inc. of San Jose, CA.

APPENDIX A
AGENCY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

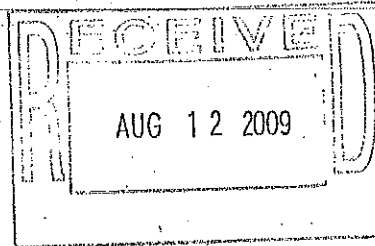


ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-93

August 7, 2009

Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Douglas and Mary Safreno
1627 Vineyard Avenue
Pleasanton, CA 94566-6389



Subject: Fuel Leak Case No. RO0000360 and Geotracker Global ID T0600101259, Shell#13-5782, 4226 First Street, Pleasanton, CA 94566 – Work Plan Approval

Dear Mr. Brown and Mr. and Ms. Safreno:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the reports entitled, "*Interim Remediation Work Plan, Shell-branded Service Station, 4212 First Street, Pleasanton, California,*" dated June 1, 2009 (Work Plan). The Work Plan was prepared on Shell's behalf by Delta Environmental Consultants, Inc.

The Work Plan proposes installation of a soil vapor extraction and air sparging system including extraction wells, sparging wells, and observation wells for interim remediation to address elevated concentrations of fuel hydrocarbons in soil and groundwater at the site. The proposed scope of work is acceptable and may be implemented as proposed.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **December 14, 2009** – System Installation and Start-up Report
- **45 days following the end of each quarter following system installation and start-up** – Quarterly Remediation Progress and Monitoring Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Denis Brown
Douglas and Mary Safreno
RO0000360
August 7, 2009
Page 2

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/cleanup/electronic reporting](http://www.swrcb.ca.gov/ust/cleanup/electronic%20reporting)).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

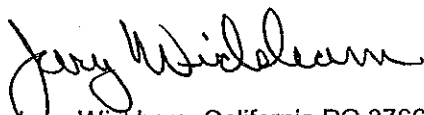
Denis Brown
Douglas and Mary Safreno
RO0000360
August 7, 2009
Page 3

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,



Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cheryl Dizon, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

Suzanne McClurkin-Nelson, Delta Environmental Consultants, Inc., 312 Piercy Road, San Jose, CA
95138

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	ISSUE DATE: July 5, 2005
	REVISION DATE: March 27, 2009
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

- 1) Obtain User Name and Password:
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org
 - Or
 - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
 - b) In the subject line of your request, be sure to include "ftp PASSWORD REQUEST" and in the body of your request, include the **Contact Information, Site Addresses, and the Case Numbers (RO# available in Geotracker) you will be posting for.**

- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape and Firefox browsers will not open the FTP site.
 - b) Click on File, then on Login As.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B
BLAINE TECH SERVICES, INC.
FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 4212 First St., Pleasanton Date 8/20/09

Job Number 090820-PC1 Technician P. Cornish Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X	X							
MW-1B	X								No tag
MW-2	X	X							
MW-3	X	X							
MW-4	X								No tag

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12" or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12" or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes: _____

WELL GAUGING DATA

Project # 090820-PC1 Date 8/20/09 Client Shell

Site 4212 First St., Pleasanton

Well ID	Time	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 <u>TOP</u>	Notes
MW-1	1210	2					34.48	57.00	↓	
MW-1B	1214	4				97.32	107.96			
MW-2	1224	4				32.51	45.91			
MW-3	1208	4				32.42	34.94			
MW-4	1220	4				33.56	46.75			

SHELL WELL MONITORING DATA SHEET

BTS #: <u>090820-PC1</u>	Site: <u>98995840</u>
Sampler: <u>PC</u>	Date: <u>8/20/09</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth (TD): <u>57.00</u>	Depth to Water (DTW): <u>34.48</u>
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]: <u>38.98</u>	

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

$\underline{3.6} \text{ (Gals.)} \times \underline{3} = \underline{10.8} \text{ Gals.}$ I 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
<u>1322</u>	<u>70.7</u>	<u>7.07</u>	<u>1720</u>	<u>21000</u>	<u>3.5</u>	<u>brown</u>
<u>1330</u>	<u>70.1</u>	<u>6.72</u>	<u>1784</u>	<u>21000</u>	<u>7</u>	
<u>1340</u>	<u>71.2</u>	<u>6.72</u>	<u>1807</u>	<u>21000</u>	<u>11</u>	

Did well dewater? Yes No Gallons actually evacuated: 11

Sampling Date: 8/20/09 Sampling Time: 1540 Depth to Water: 41.61 (2hr)

Sample I.D.: MW-1 Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: TBA

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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 #: <u>090820-PC1</u>	Site: <u>98995840</u>
Sampler: <u>PC</u>	Date: <u>8/20/09</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>45.9'</u>	Depth to Water (DTW): <u>32.5'</u>
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]: <u>35.19</u>	

Purge Method: <input 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 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

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
<u>1312</u>	<u>71.3</u>	<u>7.09</u>	<u>973.8</u>	<u>22</u>	<u>8.5</u>	
<u>1314</u>	<u>71.5</u>	<u>6.66</u>	<u>977.1</u>	<u>9</u>	<u>17</u>	
<u>1315</u>	<u>well dewatered @ 18 gal</u>				<u>DTW: 42.80</u>	
<u>1515</u>	<u>71.8</u>	<u>6.60</u>	<u>981.1</u>	<u>16</u>		

Did well dewater? Yes No Gallons actually evacuated: 18

Sampling Date: 8/20/09 Sampling Time: 1515 Depth to Water: 37.10 (2hr)

Sample I.D.: MW-2 Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: TBA

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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 #: <u>090820-PC1</u>	Site: <u>98995840</u>
Sampler: <u>PC</u>	Date: <u>8/20/09</u>
Well I.D.: <u>MW-1B</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>107.96</u>	Depth to Water (DTW): <u>97.32</u>
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]: <u>99.45</u>	

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

6.9 (Gals.) X 3 = 20.7 Gals.
 I 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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1252</u>	<u>70.5</u>	<u>7.82</u>	<u>1039</u>	<u>176</u>	<u>7</u>	
<u>1254</u>	<u>70.2</u>	<u>7.91</u>	<u>1070</u>	<u>231</u>	<u>14</u>	
<u>1256</u>	<u>70.3</u>	<u>7.92</u>	<u>1102</u>	<u>>1000</u>	<u>21</u>	

Did well dewater? Yes No Gallons actually evacuated: 21

Sampling Date: 8/20/09 Sampling Time: 1302 Depth to Water: 99.40

Sample I.D.: MW-1B Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: TBA

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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 #: <u>090820-PC1</u>	Site: <u>98995840</u>
Sampler: <u>PC</u>	Date: <u>8/20/09</u>
Well I.D.: <u>MW-3</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): <u>34.94</u>	Depth to Water (DTW): <u>32.42</u>
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]: <u>32.92</u>	

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

1.6 (Gals.) X 3 = 4.8 Gals.
 I 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
<u>1235</u>	<u>71.2</u>	<u>7.40</u>	<u>880.4</u>	<u>38</u>	<u>1.6</u>	
<u>1239</u>	<u>70.1</u>	<u>6.70</u>	<u>813.1</u>	<u>49</u>	<u>3.2</u>	
<u>1243</u>	<u>69.7</u>	<u>6.72</u>	<u>837.3</u>	<u>40</u>	<u>4.8</u>	

Did well dewater? Yes No Gallons actually evacuated: 4.8

Sampling Date: 8/20/09 Sampling Time: 1443 Depth to Water: 33.61

Sample I.D.: MW-3 Laboratory: CalScience Columbia Other _____

Analyzed for: (TPH-G BTEX MTBE) TPH-D Oxygenates (5) Other: TBA

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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 #: <u>090320-PCA</u>	Site: <u>984958.40</u>
Sampler: <u>PC</u>	Date: <u>8/20/09</u>
Well I.D.: <u>MW-4</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth (TD): <u>46.75</u>	Depth to Water (DTW): <u>33.56</u>
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]: <u>36.20</u>	

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

Other: _____

$\underline{8.6} \text{ (Gals.)} \times \underline{3} = \underline{25.8} \text{ Gals.}$	<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														
I Case Volume Specified Volumes Calculated Volume																	

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1348	71.2	7.36	960.1	176	8.5	
1350	70.6	6.77	955.7	347	17	
1352	well dewatered @ 20gal DTW: 43.61					
1552	71.7	7.10	969.1	>1000		

Did well dewater? Yes No Gallons actually evacuated: 20

Sampling Date: 8/20/09 Sampling Time: 1552 Depth to Water: 38.61 (2 hr.)

Sample I.D.: MW-4 Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: TBA

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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

APPENDIX C

**BLAINE TECH SERVICES, INC.
FIELD PROCEDURES**

BLAINE

TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

September 9, 2009

Denis Brown
Shell Oil Products US
2095 South Wilmington Avenue
Carson, CA 90810

Third Quarter 2009 Groundwater Monitoring at
Shell-branded Service Station
4212 First Street
Pleasanton, CA

Monitoring performed on August 20, 2009

Groundwater Monitoring Report **090820-PC-1**

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.

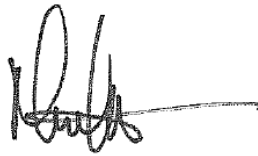
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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,

A handwritten signature in black ink, appearing to read "Mike Ninokata", with a long horizontal flourish extending to the right.

Mike Ninokata
Project Manager

MN/np

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Suzanne McClurkin-Nelson
Delta Environmental
175 Bernal Rd., Suite 200
San Jose, CA 95119

BLAINE TECH SERVICES, INC. METHODS AND PROCEDURES FOR THE ROUTINE MONITORING OF GROUNDWATER WELLS AT SHELL SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for Shell comply with Shell's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Shell site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. MMC). No samples are collected from a well containing over two-hundredths of a foot (0.02') of product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewateres and does not immediately recharge.

MEASURING RECHARGE

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed a minimum of 2 hours to recharge prior to sampling. The water level at time of sampling will be noted.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to a Shell approved disposal facility.

SAMPLE COLLECTION DEVICES

All samples are collected using a stainless steel, Teflon or disposable bailers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Duplicates, if requested, may be collected at a site. The Field Technician uses their discretion in choosing the well at which the Duplicate is collected, typically one suspected of containing measurable contaminants. The Duplicate sample is labeled "DUP" and the time of collection is omitted from the COC, thus rendering the sample blind.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

DISSOLVED OXYGEN READINGS

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 54, 58 or 95) or HACH field test kits.

The YSI meters are equipped with a stirring device that enables them to collect accurate in-situ readings. The probe/stirring devices are modified to allow downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe and stirrer is lowered into the water column. The reading is allowed to stabilize prior to collection.

OXYIDATON REDUCTION POTENTIAL READINGS

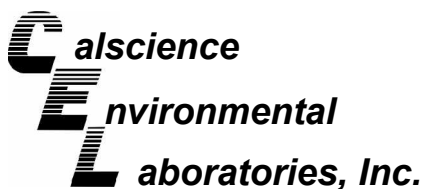
All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

APPENDIX D

CERTIFIED ANALYTICAL REPORT
WITH CHAIN-OF-CUSTODY DOCUMENTATION



September 02, 2009

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **CalScience Work Order No.: 09-08-1933**
Client Reference: 4212 First St., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/22/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Jessie Lee".

CalScience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 08/22/09
 Work Order No: 09-08-1933
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 4212 First St., Pleasanton, CA

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	09-08-1933-1-A	08/20/09 15:40	Aqueous	GC/MS RR	08/27/09	08/28/09 07:05	090827L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	86	12	25		Methyl-t-Butyl Ether (MTBE)	2500	25	25	
Ethylbenzene	ND	25	25		Tert-Butyl Alcohol (TBA)	730	250	25	
Toluene	ND	25	25		TPPH	3100	1200	25	
Xylenes (total)	ND	25	25						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	99	80-132			1,2-Dichloroethane-d4	98	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	95	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1B	09-08-1933-2-A	08/20/09 13:02	Aqueous	GC/MS RR	08/27/09	08/28/09 07:30	090827L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	1.7	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	102	80-132			1,2-Dichloroethane-d4	99	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	94	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	09-08-1933-3-A	08/20/09 15:15	Aqueous	GC/MS RR	08/27/09	08/28/09 07:56	090827L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	10	20		Methyl-t-Butyl Ether (MTBE)	2400	20	20	
Ethylbenzene	ND	20	20		Tert-Butyl Alcohol (TBA)	ND	200	20	
Toluene	ND	20	20		TPPH	2800	1000	20	
Xylenes (total)	ND	20	20						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	99	80-132			1,2-Dichloroethane-d4	94	80-141		
Toluene-d8	93	80-120			Toluene-d8-TPPH	91	88-112		
1,4-Bromofluorobenzene	94	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 08/22/09
 Work Order No: 09-08-1933
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 4212 First St., Pleasanton, CA

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	09-08-1933-4-A	08/20/09 14:43	Aqueous	GC/MS RR	08/27/09	08/28/09 08:21	090827L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	2.0	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	98	80-132			1,2-Dichloroethane-d4	93	80-141		
Toluene-d8	99	80-120			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	94	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	09-08-1933-5-B	08/20/09 15:52	Aqueous	GC/MS RR	08/28/09	08/28/09 16:50	090828L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	50	100		Methyl-t-Butyl Ether (MTBE)	13000	100	100	
Ethylbenzene	ND	100	100		Tert-Butyl Alcohol (TBA)	1900	1000	100	
Toluene	ND	100	100		TPPH	15000	5000	100	
Xylenes (total)	ND	100	100						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	99	80-132			1,2-Dichloroethane-d4	91	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	94	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-2,450	N/A	Aqueous	GC/MS RR	08/27/09	08/28/09 03:19	090827L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	97	80-132			1,2-Dichloroethane-d4	93	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	96	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Blaine Tech Services, Inc.
 1680 Rogers Avenue
 San Jose, CA 95112-1105

Date Received: 08/22/09
 Work Order No: 09-08-1933
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

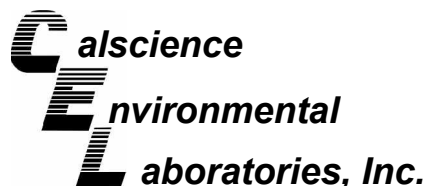
Project: 4212 First St., Pleasanton, CA

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-2,451	N/A	Aqueous	GC/MS RR	08/28/09	08/28/09 14:14	090828L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	94	80-132			1,2-Dichloroethane-d4	95	80-141		
Toluene-d8	99	80-120			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	91	76-120							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

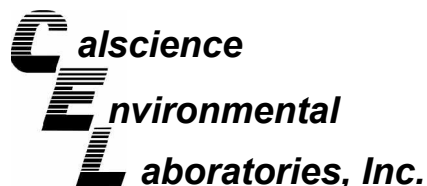
Date Received: 08/22/09
Work Order No: 09-08-1933
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 4212 First St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1871-4	Aqueous	GC/MS RR	08/27/09	08/28/09	090827S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	91	72-120	1	0-20	
Carbon Tetrachloride	91	90	63-135	1	0-20	
Chlorobenzene	93	93	80-120	0	0-20	
1,2-Dibromoethane	99	97	80-120	2	0-20	
1,2-Dichlorobenzene	89	89	80-120	0	0-20	
1,1-Dichloroethene	86	83	60-132	3	0-24	
Ethylbenzene	92	93	78-120	0	0-20	
Toluene	91	91	74-122	1	0-20	
Trichloroethene	91	89	69-120	2	0-20	
Vinyl Chloride	89	89	58-130	0	0-20	
Methyl-t-Butyl Ether (MTBE)	102	104	72-126	1	0-21	
Tert-Butyl Alcohol (TBA)	103	106	72-126	3	0-20	
Diisopropyl Ether (DIPE)	96	96	71-137	0	0-23	
Ethyl-t-Butyl Ether (ETBE)	103	101	74-128	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	99	76-124	1	0-20	
Ethanol	100	96	35-167	4	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

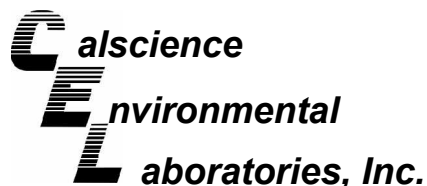
Date Received: 08/22/09
Work Order No: 09-08-1933
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 4212 First St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-08-1844-11	Aqueous	GC/MS RR	08/28/09	08/28/09	090828S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	92	72-120	2	0-20	
Carbon Tetrachloride	95	95	63-135	1	0-20	
Chlorobenzene	96	96	80-120	0	0-20	
1,2-Dibromoethane	99	98	80-120	2	0-20	
1,2-Dichlorobenzene	93	92	80-120	2	0-20	
1,1-Dichloroethene	77	76	60-132	1	0-24	
Ethylbenzene	96	96	78-120	0	0-20	
Toluene	94	93	74-122	0	0-20	
Trichloroethene	94	94	69-120	1	0-20	
Vinyl Chloride	68	67	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	106	103	72-126	3	0-21	
Tert-Butyl Alcohol (TBA)	95	106	72-126	11	0-20	
Diisopropyl Ether (DIPE)	91	90	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	103	102	74-128	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	107	104	76-124	3	0-20	
Ethanol	74	79	35-167	6	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-08-1933
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 First St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-2,450	Aqueous	GC/MS RR	08/27/09	08/28/09	090827L03		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	93	93	80-122	73-129	1	0-20	
Carbon Tetrachloride	90	94	68-140	56-152	4	0-20	
Chlorobenzene	93	94	80-120	73-127	1	0-20	
1,2-Dibromoethane	97	99	80-121	73-128	2	0-20	
1,2-Dichlorobenzene	89	91	80-120	73-127	2	0-20	
1,1-Dichloroethene	83	86	72-132	62-142	4	0-25	
Ethylbenzene	93	95	80-126	72-134	2	0-20	
Toluene	93	93	80-121	73-128	1	0-20	
Trichloroethene	94	96	80-123	73-130	1	0-20	
Vinyl Chloride	89	89	67-133	56-144	0	0-20	
Methyl-t-Butyl Ether (MTBE)	102	103	75-123	67-131	1	0-20	
Tert-Butyl Alcohol (TBA)	89	94	75-123	67-131	6	0-20	
Diisopropyl Ether (DIPE)	96	98	71-131	61-141	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	104	107	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	102	80-123	73-130	1	0-20	
Ethanol	89	99	61-139	48-152	11	0-27	
TPPH	91	86	65-135	53-147	6	0-30	

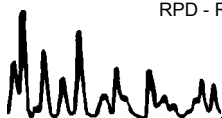
Total number of LCS compounds : 17

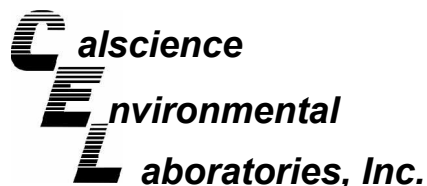
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-08-1933
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 4212 First St., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-2,451	Aqueous	GC/MS RR	08/28/09	08/28/09	090828L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	96	95	80-122	73-129	2	0-20	
Carbon Tetrachloride	99	97	68-140	56-152	3	0-20	
Chlorobenzene	98	96	80-120	73-127	3	0-20	
1,2-Dibromoethane	99	98	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	96	93	80-120	73-127	3	0-20	
1,1-Dichloroethene	89	84	72-132	62-142	6	0-25	
Ethylbenzene	100	98	80-126	72-134	3	0-20	
Toluene	98	96	80-121	73-128	2	0-20	
Trichloroethene	99	98	80-123	73-130	1	0-20	
Vinyl Chloride	81	76	67-133	56-144	6	0-20	
Methyl-t-Butyl Ether (MTBE)	99	94	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	94	90	75-123	67-131	5	0-20	
Diisopropyl Ether (DIPE)	92	89	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	98	97	76-124	68-132	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	99	97	80-123	73-130	2	0-20	
Ethanol	78	73	61-139	48-152	6	0-27	
TPPH	98	96	65-135	53-147	2	0-30	

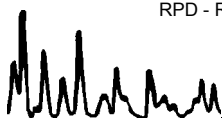
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

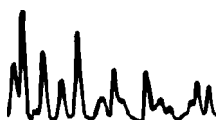
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-08-1933

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.



LAB (LOCATION)

- CALSCIENCE (_____)
- SPL (_____)
- XENCO (_____)
- TEST AMERICA (_____)
- OTHER (_____)



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input checked="" type="checkbox"/> ENV SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 9 8 9 9 5 8 4 0

PO #: _____ **SAP #:** _____

DATE: 8/20/09
PAGE: 1 of 1

SAMPLING COMPANY Blaine Tech Services	LOG CODE BTSS	SITE ADDRESS: Street and City 4212 First St, Pleasanton	State CA	GLOBAL ID NO T0600101259
ADDRESS 1680 Rogers Ave, San Jose, CA 95112		EDF DELIVERABLE TO (Name, Company, Office Location) Angela Pico, Delta, San Jose Office	PHONE NO 408.826.1862	E-MAIL apico@deltaenv.com
PROJECT CONTACT (Hardcopy or PDF Report to) Michael Ninokata		SAMPLER NAME(S) (Ppm) P-cornish		CONSULTANT PROJECT NO 090820-PC1
TELEPHONE (408)573-0555	FAX (408)573-7774	E-MAIL mninokata@blainetech.com		LAB USE ONLY 09-08-1933

TURNAROUND TIME (CALENDAR DAYS):

STANDARD (14 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS RESULTS NEEDED ON WEEKEND

LA - RWQCB REPORT FORMAT UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

CC Suzanne McClurkin-Nelson w/final report
smcclurkin-nelson@deltaenv.com
Run TPH-d w/Silica Gel Clean Up

SHELL CONTRACT RATE APPLIES
 STATE REIMBURSEMENT RATE APPLIES
 EDD NOT NEEDED
 RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS											TEMPERATURE ON RECEIPT °C	Container PID Readings or Laboratory Notes				
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER		TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)			Ethanol (8260B)	Methanol (8015M)		
	MW-1	8/20/09	1540	W	X						3	X	X	X	X												
	MW-1B		1302		X						3	X	X	X	X												
	MW-2		1515		X						3	X	X	X	X												
	MW-3		1443		X						3	X	X	X	X												
	MW-4		1552		X						3	X	X	X	X												

Relinquished by: (Signature) <i>Jatin</i>	Received by: (Signature) <i>Jatin</i>	Date: 8/20/09	Time: 1630
Relinquished by: (Signature) <i>(Sample Custodian)</i>	Received by: (Signature) <i>CEL</i>	Date: 8-21-09	Time: 1025
Relinquished by: (Signature) <i>GSJ</i>	Received by: (Signature) <i>[Signature]</i>	Date: 8/22/09	Time: 1000

(GSJ) 512494411

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS

DATE: 08/22/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.8 °C - 0.2 °C (CF) = 3.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: SA

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: SA

Sample _____ No (Not Intact) Not Present Initial: SA

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> COC not relinquished. <input type="checkbox"/> No date relinquished. <input type="checkbox"/> No time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® _____ **Other:** _____ **Checked/Labeled by:** SA

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelop **Reviewed by:** SA

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ Na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered **Scanned by:** SA