Shell Oil Products US

February 12, 2009

Re: Fourth Quarter 2009 Semiannual Groundwater Monitoring Report
Shell-branded Service Station
6750 Santa Rita Road
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

20945 S. Wilmington Avenue, Carson, CA 90810 P: (559) 645-9306; F: (559) 645-5643

February 12, 2010
DELTA Project No. SCA6750S1A
SAP No. 135786

Mr. Jerry Wickham, PG, CHG
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6540

Re: **FOURTH QUARTER 2009 SEMIANNUAL GROUNDWATER MONITORING REPORT**
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, California
Case No. RO0002522

DELTA

Dear Mr. Wickham:

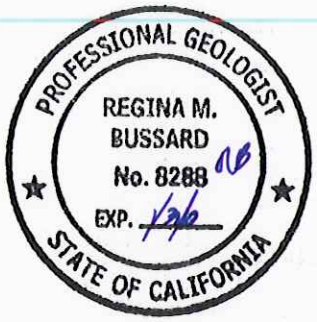
On behalf of Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared this *Fourth Quarter 2009 Semiannual Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were conducted by Blaine Tech Services, Inc. (Blaine Tech) under contract to Shell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

This document represents Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This document 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 document were performed. This document is intended only for the use of Delta's Client and anyone else specifically listed on this document. 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 document.

312 Piercy Road San Jose, California 95138 USA
Phone +1 408.224.4724 / USA Toll Free 800.477.7411
Fax +1 408.225.8506 www.deltaenv.com

Should you have any questions or comments regarding this report, please contact Ms. Regina Bussard (Delta Site Manager) at (408) 826-1876 or Denis Brown (Shell Project Manager) at (707) 865-0251.

Sincerely,
Delta Consultants



Regina Bussard, P.G.
Project Manager

Attachment: Fourth Quarter 2009 Semiannual Groundwater Monitoring Report

cc: Denis Brown, Shell Oil Products US
Carl Cox, C and J Cox Corporation, Pleasanton

SHELL SEMIANNUAL STATUS REPORT

Station Address:	6750 Santa Rita Road, Pleasanton, California
DELTA Project No.:	SCA6750S1A
SHELL Project Manager / Phone No.:	Denis Brown / (707) 865-0251
DELTA Site Manager / Phone No.:	Regina Bussard / (408) 826-1876
Primary Agency / Regulatory ID No.:	ACEH / Mr. Jerry Wickham, Case No. RO0002522
Other Agencies to Receive Copies:	None

WORK PERFORMED THIS PERIOD (THIRD AND FOURTH QUARTERS–2009):

1. Quarterly groundwater monitoring and sampling on **October 6, 2009**. Submitted quarterly report.
2. Submitted a request for case closure on November 25, 2009

WORK PROPOSED FOR NEXT PERIOD (FIRST AND SECOND QUARTERS–2010):

1. Semi-annual groundwater monitoring and sampling. Submit semi-annual report.

Current Phase of Project:	Groundwater Monitoring
Site Use:	Shell-branded Service Station
Frequency of Sampling:	Semi-annual (2Q/4Q)
Frequency of Monitoring:	Semi-annual (2Q/4Q)
Frequency of System Sampling:	N/A
Frequency of System Monitoring:	N/A
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	☐ Yes ☒ No
Cumulative SPH Recovered to Date:	None
SPH Recovered This Quarter:	None
Groundwater Removed this Quarter:	40.2 gallons were recovered on October 6, 2009.
Receptors in Site Vicinity:	Private Well (3S/1E 5R3) located approximately 2,200 feet west-southwest of site location.
Site Lithology:	Approximately 40 feet of silty and clayey soils over lying approximately 15 feet of interbedded sands and silty sands, silty and clayey soils, and silty sands and sandy silts. This is underlain by up to 65 feet of silty and clayey soils. There may be a two to three foot thick sandy and silty sand bed at a depth of approximately 100 feet.
Current Remediation Techniques:	None
Permits for Discharge:	None
Approximate Depth to Groundwater:	24.47 to 26.60 feet below top of well casing.
Groundwater Gradient:	South-southeast at approximately 0.02 ft/ft.
Current Agency Correspondence:	ACEH letter dated July 14, 2009 included as Attachment A

SHELL QUARTERLY STATUS REPORT (CONT.)

Site History:

Case Opening	October 2002, GRASP Well Installation
On-Site Assessment	October 2002, GRASP Well Installation
Off-Site Assessment	1/05, Install MW-5; 2004, CPT Investigation; 2005 Install MW-6 and MW-7
Passive Remediation	Monitor natural attenuation
Active Remediation	None
Closure	None
Summary of Unusual Activity:	None

Discussion: The plume appears relatively stable: tert-butyl alcohol (TBA) was not detected above the laboratory reporting limit in any of the samples; total purgeable petroleum hydrocarbons (TPPH) was detected in onsite well MW-2 at a concentration of 130 micrograms per liter (µg/L); methyl-tert butyl ether (MTBE) was detected in onsite wells MW-1 through MW-4 and offsite well MW-5 at concentrations ranging from 5.2 µg/L (MW-1) to 190 µg/L (MW-2).

ATTACHMENTS:

Figures:

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Contour Map

Figure 3 – Hydrocarbon Distribution in Groundwater Map

Table:

Table 1 – Well Concentrations

Appendices:

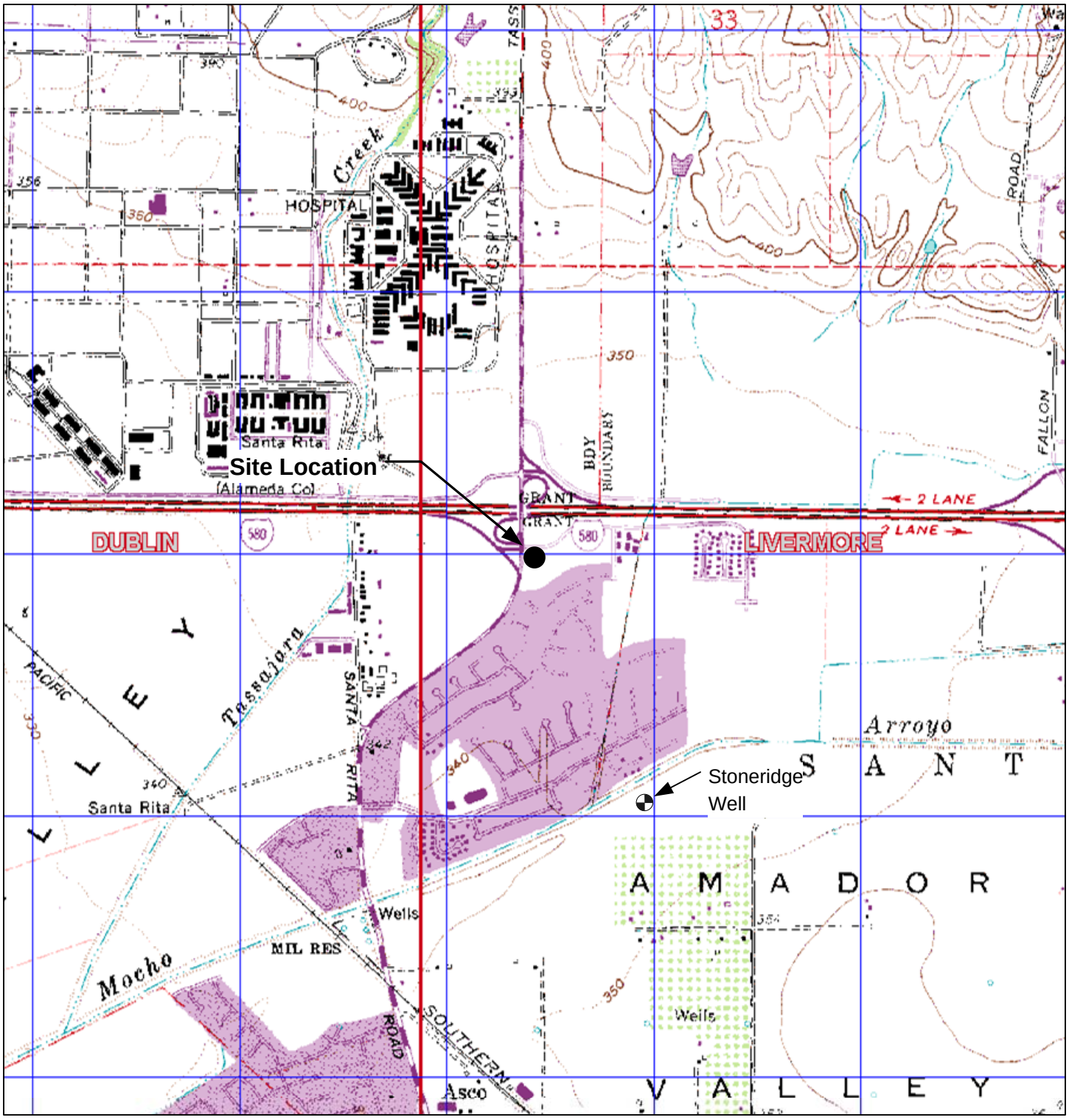
Appendix A – Regulatory Letter

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

Appendix C – Blaine Tech Services, Inc. Field Procedures

Appendix D – Laboratory Report and Chain-of-Custody Documentation

FIGURES



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

QUADRANGLE LOCATION

North

0 1,800 3,600

Scale, Feet

FIGURE 1

SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION

6750 Santa Rita Road
Pleasanton, California

PROJECT NO. SCA6750S1A	DRAWN BY VF 12/04/03
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY

DELTA CONSULTANTS

PROJECT NUMBER SCA6750S1A

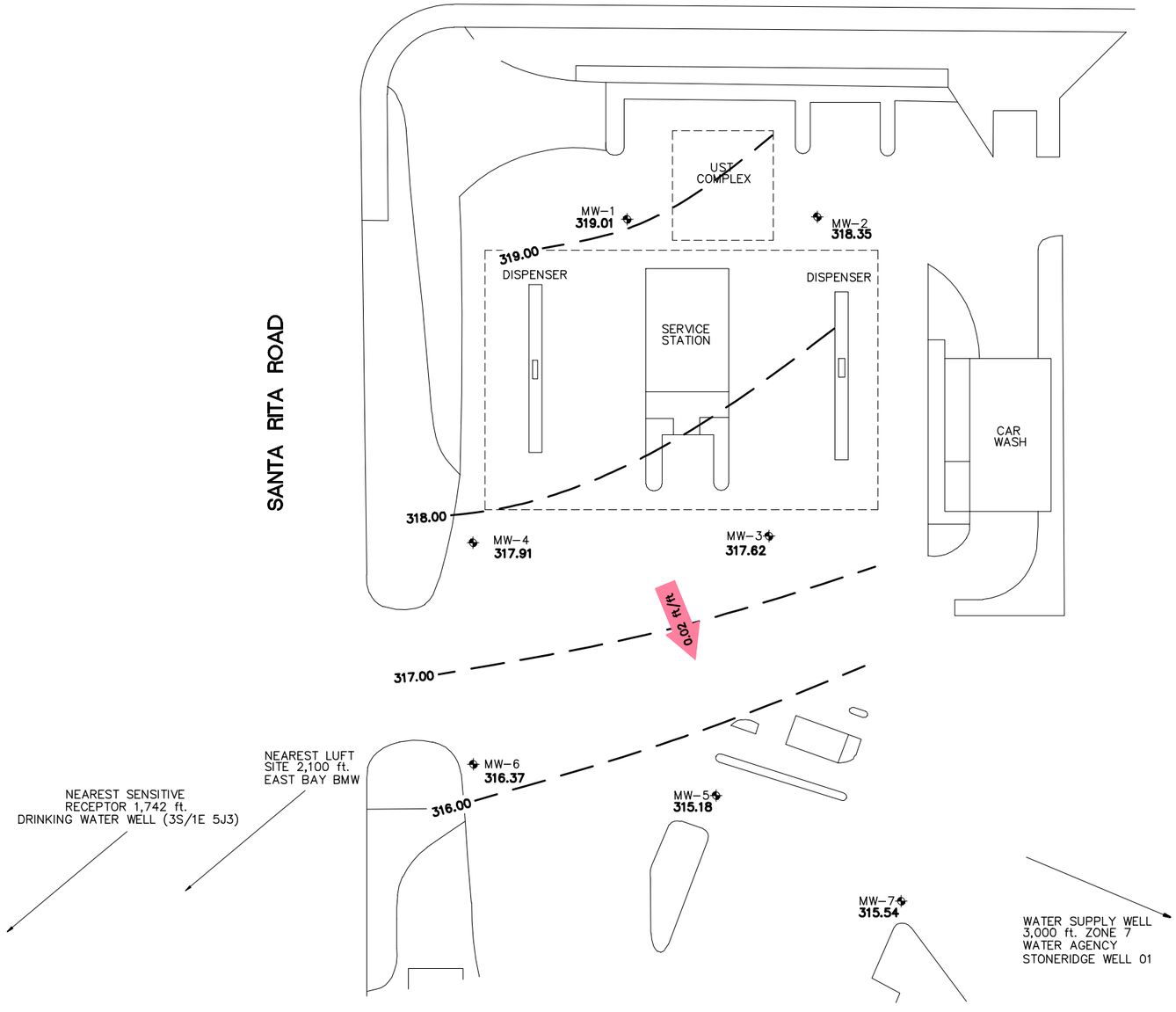
APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 11/24/2009

PIMLICO DRIVE

SANTA RITA ROAD



0 20 40 SCALE IN FEET

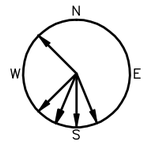
N W E S

LEGEND

MW-1 ◆	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
324.08	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
319.00 — — —	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=1.00 FEET
0.02 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
*	ANOMALOUS DATA NOT USED IN CONTOURING

HISTORIC GROUNDWATER FLOW DIRECTIONS

DATE	FLOW DIRECTION
1/6/2004	SE
4/6/2004	NW
7/30/2004	SE
10/7/2004	SSE
1/26/2005	SSE
4/14/2005	SSE
7/29/2005	S
10/20/2005	SSE
1/27/2006	SW
4/20/2006	SE
7/12/2006	SSE
10/20/2006	SSE
1/22/2007	SSE
4/11/2007	SSE
7/5/2007	SSE
10/26/2007	SSE
1/22/2008	SSW
4/11/2008	SSW
7/2/2008	SSE
10/27/2008	SSE
1/8/2009	SSE
4/22/2009	S
10/6/2009	SSE



DELTA CONSULTANTS

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

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP 10/6/2009

6750 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA6750S1A

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 11/24/2009

PIMLICO DRIVE

SANTA RITA ROAD

MW–1				
DATE	TPH–g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	**5.2**	ND<10

MW–2				
DATE	TPH–g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	**130**	ND<1.0	**190**	ND<20

MW–3				
DATE	TPH–g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<1.0	**61**	ND<10

MW–4				
DATE	TPH–g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	**34**	ND<10

MW–5				
DATE	TPH–g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	**24**	ND<10

MW–6				
DATE	TPH–g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	ND<1.0	ND<10

MW–7				
DATE	TPH–g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
10/6/09	ND<50	ND<0.50	ND<1.0	ND<10

UST COMPLEX

DISPENSER

SERVICE STATION

DISPENSER

CAR WASH

MW–1

MW–2

MW–3

MW–4

MW–5

MW–6

MW–7

0.02 ft/ft

NEAREST LUFT SITE 2,100 ft. EAST BAY BMW

NEAREST SENSITIVE RECEPTOR 1,742 ft. DRINKING WATER WELL (3S/1E 5J3)

WATER SUPPLY WELL 3,000 ft. ZONE 7 WATER AGENCY STONERIDGE WELL 01

N

W E

S

LEGEND

MW–1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
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
0.02 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

0 20 40 SCALE IN FEET

DELTA CONSULTANTS

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

FIGURE 3
HYDROCARBON DISTRIBUTION IN GROUNDWATER MAP
10/6/2009

6750 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

TABLE

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.75	NA
MW-1	12/22/2002	<50	81	<0.50	<0.50	<0.50	<0.50	62	<2.0	<2.0	<2.0	<50	NA	NA	NA	31.93	NA
MW-1	3/28/2003	<50	70	<0.50	<0.50	<0.50	<1.0	130	<2.0	<2.0	<2.0	43	NA	NA	343.48	31.59	311.89
MW-1	5/9/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	280	<10	<10	<10	200	NA	NA	343.48	31.10	312.38
MW-1	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.65	311.83
MW-1	7/8/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	160	<10	<10	<10	170	NA	NA	343.48	30.90	312.58
MW-1	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.53	311.95
MW-1	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.95	313.53
MW-1	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.99	313.49
MW-1	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	30.02	313.46
MW-1	10/3/2003	<500	NA	<5.0	<5.0	<5.0	<10	810	<20	<20	<20	540	NA	NA	343.48	29.89	313.59
MW-1	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.38	312.10
MW-1	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.71	313.77
MW-1	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.72	313.76
MW-1	1/6/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	400	<10	<10	<10	280	NA	NA	343.48	29.16	314.32
MW-1	4/6/2004	<1,300	NA	<13	<13	<13	<25	3,300	NA	NA	NA	3,500	NA	NA	343.48	31.38	312.10
MW-1	7/30/2004	<1,300	NA	<13	<13	<13	<25	1,000	NA	NA	NA	600	NA	NA	343.48	28.51	314.97
MW-1	10/7/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	530	NA	NA	NA	390	NA	NA	343.48	28.55	314.93
MW-1	1/26/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	320	<10	<10	<10	130	NA	NA	343.48	27.35	316.13
MW-1	4/14/2005	<150	NA	<1.5	<1.5	<1.5	<1.5	720	NA	NA	NA	260	NA	NA	343.48	26.70	316.78
MW-1	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	270	NA	NA	NA	150	NA	NA	343.48	26.33	317.15
MW-1	10/20/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	39	NA	NA	NA	<25	NA	NA	343.48	27.12	316.36
MW-1	1/27/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	30.1	NA	NA	NA	<10.0	NA	NA	343.48	25.25	318.23
MW-1	4/20/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	16.9	NA	NA	NA	12.4	NA	NA	343.48	21.37	322.11
MW-1	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	22.5	NA	NA	NA	<10.0	NA	NA	343.48	22.35	321.13
MW-1	10/20/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	1.7	NA	NA	NA	<5.0	NA	NA	343.48	22.67	320.81
MW-1	1/22/2007	<50 d,f	NA	<0.50 d,f	<0.50 d,f	<0.50 d,f	<0.50 d,f	17 d,f	<0.50 d,f	<0.50 d,f	<0.50 d,f	<20 d,f	NA	NA	343.48	21.76	321.72
MW-1	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	1.5	NA	NA	NA	<10	NA	NA	343.48	21.20	322.28
MW-1	7/5/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	5.6	NA	NA	NA	<10	NA	NA	343.48	21.98	321.50

TABLE 1
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	10/26/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	19	NA	NA	NA	<10	NA	NA	343.48	21.61	321.87
MW-1	1/22/2008	<50 g	NA	<0.50	<1.0	<1.0	<1.0	3.9	<2.0	<2.0	<2.0	<10	NA	NA	343.48	23.38	320.10
MW-1	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	1.2	NA	NA	NA	<10	NA	NA	343.48	19.40	324.08
MW-1	7/2/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	2.0	NA	NA	NA	<10	NA	NA	343.48	20.00	323.48
MW-1	10/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	3.8	NA	NA	NA	<10	NA	NA	343.48	21.79	321.69
MW-1	1/8/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	2.7	<2.0	<2.0	<2.0	<10	NA	NA	343.48	22.58	320.90
MW-1	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	2.5	NA	NA	NA	<10	NA	NA	343.48	22.11	321.37
MW-1	**10/6/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**5.2**	**NA**	**NA**	**NA**	**<10**	**NA**	**NA**	**343.48**	**24.47**	**319.01**
MW-2	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.25	NA
MW-2	12/22/2002	<200	120	<2.0	<2.0	<2.0	<2.0	660	<2.0	<2.0	<2.0	<50	NA	NA	NA	30.70	NA
MW-2	3/28/2003	<2,500	60	<25	<25	<25	<50	4,200	<100	<100	<100	2,500	NA	NA	342.86	30.30	312.56
MW-2	5/9/2003	<2,500	NA	<25	<25	<25	<50	4,000	<100	<100	<100	3,200	NA	NA	342.86	29.83	313.03
MW-2	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.45	312.41
MW-2	7/8/2003	<2,000	NA	<20	<20	<20	<40	2,800	<80	<80	<80	2,900	NA	NA	342.86	29.86	313.00
MW-2	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.33	312.53
MW-2	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.33	313.53
MW-2	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.98	312.88
MW-2	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.21	312.65
MW-2	10/3/2003	<2,000	NA	<20	<20	<20	<40	3,600	<80	<80	<80	3,000	NA	NA	342.86	30.43	312.43
MW-2	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.79	313.07
MW-2	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.00	312.86
MW-2	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.14	312.72
MW-2	1/6/2004	<5,000	NA	<50	<50	<50	<100	4,500	<200	<200	<200	1,900	NA	NA	342.86	30.05	312.81
MW-2	4/6/2004	<2,000	NA	<20	<20	<20	<40	4,600	NA	NA	NA	5,100	NA	NA	342.86	29.30	313.56
MW-2	7/30/2004	<500	NA	<5.0	<5.0	<5.0	<10	1,000	NA	NA	NA	950	NA	NA	342.86	28.80	314.06
MW-2	10/7/2004	<2,500	NA	<25	<25	<25	<50	6,300	NA	NA	NA	6,500	NA	NA	342.86	28.02	314.84
MW-2	1/26/2005	<1,300	NA	<13	<13	<13	<25	2,100	<50	<50	<50	2,300	NA	NA	342.86	33.12	309.74
MW-2	4/14/2005	<500	NA	<5.0	<5.0	<5.0	<5.0	2,400	NA	NA	NA	1,100	NA	NA	342.86	25.55	317.31

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	7/29/2005	<2,500	NA	<25	<25	<25	<50	3,900	NA	NA	NA	1,500	NA	NA	342.86	25.98	316.88
MW-2	10/20/2005	<2,500	NA	<25	<25	<25	<50	2,500	NA	NA	NA	480	NA	NA	342.86	25.91	316.95
MW-2	1/27/2006	2,410	NA	<0.500	<0.500	<0.500	<0.500	3,160	NA	NA	NA	97.0	NA	NA	342.86	24.40	318.46
MW-2	4/20/2006	<50.0	NA	<0.500	0.880	<0.500	1.16	278	NA	NA	NA	72.2	NA	NA	342.86	25.85	317.01
MW-2	7/12/2006	1,120	NA	<0.500	<0.500	<0.500	<0.500	1,100	NA	NA	NA	<10.0	NA	NA	342.86	21.72	321.14
MW-2	10/20/2006	690 c	NA	<0.50	<0.50	<0.50	<0.50	1,100	NA	NA	NA	<5.0	NA	NA	342.86	21.72	321.14
MW-2	1/22/2007	730	NA	<10	<10	<10	<10	990	<10	<10	<10	<400	NA	NA	342.86	21.13	321.73
MW-2	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	1,100	NA	NA	NA	40	NA	NA	342.86	20.35	322.51
MW-2	7/5/2007	360 g,h	NA	<5.0	<10	<10	<10	650	NA	NA	NA	<100	NA	NA	342.86	20.44	322.42
MW-2	10/26/2007	460 g,h	NA	<5.0	<10	<10	<10	690	NA	NA	NA	<100	NA	NA	342.86	19.94	322.92
MW-2	1/22/2008	250 g,h	NA	<5.0	<10	<10	<10	720	<20	<20	<20	<100	NA	NA	342.86	18.71	324.15
MW-2	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	15	NA	NA	NA	<10	NA	NA	342.86	18.50	324.36
MW-2	7/2/2008	620	NA	<2.5	<5.0	<5.0	<5.0	580	NA	NA	NA	<50	NA	NA	342.86	20.90	321.96
MW-2	10/27/2008	660	NA	<2.5	<5.0	<5.0	<5.0	440	NA	NA	NA	<50	NA	NA	342.86	21.41	321.45
MW-2	1/8/2009	320	NA	<2.5	<5.0	<5.0	<5.0	300	<10	<10	<10	<50	NA	NA	342.86	22.12	320.74
MW-2	4/22/2009	310	NA	<2.5	<5.0	<5.0	<5.0	260	NA	NA	NA	<50	NA	NA	342.86	21.02	321.84
MW-2	**10/6/2009**	**130**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**190**	**NA**	**NA**	**NA**	**<20**	**NA**	**NA**	**342.86**	**24.51**	**318.35**
MW-3	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.65	NA
MW-3	12/22/2002	<2,000	72	<20	<20	<20	<20	8,000	<20	<20	<20	1,500	NA	NA	NA	31.10	NA
MW-3	3/28/2003	<5,000	89	<50	<50	<50	<100	10,000	<200	<200	<200	6,100	NA	NA	342.23	30.76	311.47
MW-3	5/9/2003	11,000	NA	<100	<100	<100	<200	15,000	<400	<400	<400	9,300	NA	NA	342.23	30.04	312.19
MW-3	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	30.23	312.00
MW-3	7/8/2003	<10,000	NA	<100	<100	<100	<200	9,500	<400	<400	<400	2,500	NA	NA	342.23	30.11	312.12
MW-3	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.80	312.43
MW-3	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.94	312.29
MW-3	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	30.05	312.18
MW-3	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.95	312.28
MW-3	10/3/2003	<10,000	NA	<100	<100	<100	<200	8,800	<400	<400	<400	6,600	NA	NA	342.23	29.97	312.26

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.97	312.26
MW-3	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.94	312.29
MW-3	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.43	312.80
MW-3	1/6/2004	<5,000	NA	<50	<50	<50	<100	9,800	<200	<200	<200	3,800	NA	NA	342.23	29.25	312.98
MW-3	4/6/2004	<5,000	NA	<50	<50	<50	<100	4,200	NA	NA	NA	2,100	NA	NA	342.23	28.82	313.41
MW-3	7/30/2004	<2,500	NA	<25	<25	<25	<50	3,000	NA	NA	NA	1,200	NA	NA	342.23	28.73	313.50
MW-3	10/7/2004	<1,000	NA	<10	<10	<10	<20	860	NA	NA	NA	320	NA	NA	342.23	28.72	313.51
MW-3	1/26/2005	<500	NA	<5.0	<5.0	<5.0	<10	820	<20	<20	<20	250	NA	NA	342.23	26.50	315.73
MW-3	4/14/2005	<400	NA	<4.0	<4.0	<4.0	<4.0	2,200	NA	NA	NA	590	NA	NA	342.23	26.15	316.08
MW-3	7/29/2005	<2,500	NA	<25	<25	<25	<50	3,100	NA	NA	NA	1,700	NA	NA	342.23	25.50	316.73
MW-3	10/20/2005	<2,000	NA	<20	<20	<20	<40	1,700	NA	NA	NA	220	NA	NA	342.23	26.85	315.38
MW-3	1/27/2006	808	NA	<0.500	<0.500	<0.500	<0.500	736	NA	NA	NA	39.4	NA	NA	342.23	24.95	317.28
MW-3	4/20/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	364	NA	NA	NA	<10.0	NA	NA	342.23	21.51	320.72
MW-3	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	120	NA	NA	NA	<10.0	NA	NA	342.23	22.52	319.71
MW-3	10/20/2006	220 c	NA	<0.50	<0.50	<0.50	<0.50	260	NA	NA	NA	<5.0	NA	NA	342.23	22.01	320.22
MW-3	1/22/2007	290 d,e,f	NA	<2.5 d,f	<2.5 d,f	<2.5 d,f	<2.5 d,f	450 d,f	<2.5 d,f	<2.5 d,f	<2.5 d,f	<100 d,f	NA	NA	342.23	21.95	320.28
MW-3	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	340	NA	NA	NA	<10	NA	NA	342.23	20.31	321.92
MW-3	7/5/2007	120 g,h	NA	<1.0	<2.0	<2.0	<2.0	190	NA	NA	NA	<20	NA	NA	342.23	20.82	321.41
MW-3	10/26/2007	190 g,h	NA	<1.0	<2.0	<2.0	<2.0	340	NA	NA	NA	<20	NA	NA	342.23	21.40	320.83
MW-3	1/22/2008	140 g,h	NA	<1.0	<2.0	<2.0	<2.0	250	<4.0	<4.0	<4.0	<20	NA	NA	342.23	19.42	322.81
MW-3	4/11/2008	120	NA	<1.0	<2.0	<2.0	<2.0	86	NA	NA	NA	<20	NA	NA	342.23	20.90	321.33
MW-3	7/2/2008	150	NA	<0.50	<1.0	<1.0	<1.0	150	NA	NA	NA	<10	NA	NA	342.23	20.10	322.13
MW-3	10/27/2008	240	NA	<0.50	<1.0	<1.0	<1.0	180	NA	NA	NA	<10	NA	NA	342.23	22.18	320.05
MW-3	1/8/2009	160	NA	<1.0	<2.0	<2.0	<2.0	160	<4.0	<4.0	<4.0	<20	NA	NA	342.23	22.63	319.60
MW-3	4/22/2009	97	NA	<0.50	<1.0	<1.0	<1.0	98	NA	NA	NA	<10	NA	NA	342.23	21.50	320.73
MW-3	**10/6/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**61**	**NA**	**NA**	**NA**	**<10**	**NA**	**NA**	**342.23**	**24.61**	**317.62**
MW-4	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.92	NA
MW-4	12/22/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	93	<2.0	<2.0	<2.0	<50	NA	NA	NA	32.20	NA

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	3/28/2003	<50	67	<0.50	<0.50	<0.50	<1.0	2.4	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	32.07	311.37
MW-4	5/9/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	75	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	31.35	312.09
MW-4	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.42	312.02
MW-4	7/8/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	18	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	31.42	312.02
MW-4	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.20	312.24
MW-4	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.05	312.39
MW-4	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.20	312.24
MW-4	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.15	312.29
MW-4	10/3/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	23	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	31.10	312.34
MW-4	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.14	312.30
MW-4	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	30.92	312.52
MW-4	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	30.82	312.62
MW-4	1/6/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	40	<2.0	<2.0	<2.0	<5.0	NA	NA	343.44	30.24	313.20
MW-4	4/6/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	16	NA	NA	NA	<5.0	NA	NA	343.44	30.10	313.34
MW-4	7/30/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	25	NA	NA	NA	<5.0	NA	NA	343.44	29.75	313.69
MW-4	10/7/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	35	NA	NA	NA	<5.0	NA	NA	343.44	29.79	313.65
MW-4	1/26/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	450	<10	<10	<10	43	NA	NA	343.44	27.60	315.84
MW-4	4/14/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	210	NA	NA	NA	<5.0	NA	NA	343.44	27.40	316.04
MW-4	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	57	NA	NA	NA	11	NA	NA	343.44	26.68	316.76
MW-4	10/20/2005	<50 a	NA	<0.50	<0.50	<0.50	<1.0	44	NA	NA	NA	<5.0	NA	NA	343.44	27.72	315.72
MW-4	1/27/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	98.4	NA	NA	NA	<10.0	NA	NA	343.44	28.90	314.54
MW-4	4/20/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	254	NA	NA	NA	<10.0	NA	NA	343.44	22.30	321.14
MW-4	7/12/2006	313	NA	<0.500	<0.500	<0.500	<0.500	358	NA	NA	NA	<10.0	NA	NA	343.44	23.54	319.90
MW-4	10/20/2006	450 c	NA	<0.50	<0.50	<0.50	<0.50	590	NA	NA	NA	<5.0	NA	NA	343.44	22.04	321.40
MW-4	1/22/2007	310	NA	<5.0	<5.0	<5.0	<5.0	410	<5.0	<5.0	<5.0	<200	NA	NA	343.44	22.93	320.51
MW-4	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	350	NA	NA	NA	<10	NA	NA	343.44	21.30	322.14
MW-4	7/5/2007	160 g,h	NA	<1.0	<2.0	<2.0	<2.0	260	NA	NA	NA	<20	NA	NA	343.44	22.00	321.44
MW-4	10/26/2007	150 g,h	NA	<1.0	<2.0	<2.0	<2.0	230	NA	NA	NA	<20	NA	NA	343.44	22.03	321.41
MW-4	1/22/2008	110 g,h	NA	<1.0	<2.0	<2.0	<2.0	180	<4.0	<4.0	<4.0	<20	NA	NA	343.44	20.70	322.74

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	4/11/2008	150	NA	<0.50	<1.0	<1.0	<1.0	150	NA	NA	NA	<10	NA	NA	343.44	22.67	320.77
MW-4	7/2/2008	120	NA	<0.50	<1.0	<1.0	<1.0	120	NA	NA	NA	<10	NA	NA	343.44	20.76	322.68
MW-4	10/27/2008	140	NA	<0.50	<1.0	<1.0	<1.0	93	NA	NA	NA	<10	NA	NA	343.44	23.29	320.15
MW-4	1/8/2009	56	NA	<0.50	<1.0	<1.0	<1.0	48	<2.0	<2.0	<2.0	<10	NA	NA	343.44	23.91	319.53
MW-4	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	33	NA	NA	NA	<10	NA	NA	343.44	22.70	320.74
MW-4	**10/6/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**34**	**NA**	**NA**	**NA**	**<10**	**NA**	**NA**	**343.44**	**25.53**	**317.91**
MW-5	2/8/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.88	26.83	314.05
MW-5	2/10/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	5.1	<2.0	<2.0	<2.0	<5.0	NA	NA	340.88	27.13	313.75
MW-5	4/14/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	NA	NA	340.88	26.44	314.44
MW-5	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	<5.0	NA	NA	340.88	26.73	314.15
MW-5	10/20/2005	56	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	<5.0	NA	NA	340.88	26.95	313.93
MW-5	1/27/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	340.88	26.15	314.73
MW-5	4/20/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	340.88	22.21	318.67
MW-5	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	340.88	23.72	317.16
MW-5	10/20/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	NA	NA	340.88	23.34	317.54
MW-5	1/22/2007	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	NA	NA	340.88	22.65	318.23
MW-5	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	23.83	317.05
MW-5	7/5/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	21.19	319.69
MW-5	10/26/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	2.2	NA	NA	NA	<10	NA	NA	340.88	21.99	318.89
MW-5	1/22/2008	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	340.88	19.80	321.08
MW-5	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	22.38	318.50
MW-5	7/2/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	19.90	320.98
MW-5	10/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	340.88	22.50	318.38
MW-5	1/8/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	4.0	<2.0	<2.0	<2.0	<10	NA	NA	340.88	24.98	315.90
MW-5	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	12	NA	NA	NA	<10	NA	NA	340.88	23.10	317.78
MW-5	**10/6/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**24**	**NA**	**NA**	**NA**	**<10**	**NA**	**NA**	**340.88**	**25.70**	**315.18**
MW-6	12/1/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.97	27.44	315.53

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Pleasanton, CA

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MW-6	12/7/2005	<50	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.020	342.97	26.15	316.82
MW-6	1/27/2006	<50.0	230	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	342.97	24.95	318.02
MW-6	4/20/2006	<50.0	<50.0 b	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	342.97	23.51	319.46
MW-6	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	342.97	23.92	319.05
MW-6	10/20/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	NA	NA	342.97	24.02	318.95
MW-6	1/22/2007	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	NA	NA	342.97	23.54	319.43
MW-6	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	23.06	319.91
MW-6	7/5/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	21.85	321.12
MW-6	10/26/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	22.45	320.52
MW-6	1/22/2008	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	342.97	21.72	321.25
MW-6	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	23.10	319.87
MW-6	7/2/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	21.62	321.35
MW-6	10/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	23.70	319.27
MW-6	1/8/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	342.97	24.73	318.24
MW-6	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	342.97	23.33	319.64
MW-6	**10/6/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**NA**	**NA**	**342.97**	**26.60**	**316.37**
MW-7	12/1/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.21	27.48	313.73
MW-7	12/7/2005	<50	190	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.020	341.21	27.29	313.92
MW-7	1/27/2006	<50.0	<100	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	341.21	25.10	316.11
MW-7	4/20/2006	<50.0	<48.7 b	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	341.21	22.71	318.50
MW-7	7/12/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	NA	NA	341.21	23.40	317.81
MW-7	10/20/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	NA	NA	341.21	23.63	317.58
MW-7	1/22/2007	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	NA	NA	341.21	22.68	318.53
MW-7	4/11/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	24.51	316.70
MW-7	7/5/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	21.40	319.81
MW-7	10/26/2007	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	21.72	319.49
MW-7	1/22/2008	<50 g	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	341.21	20.36	320.85
MW-7	4/11/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	21.83	319.38

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-7	7/2/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	19.94	321.27
MW-7	10/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	22.90	318.31
MW-7	1/8/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	341.21	23.59	317.62
MW-7	4/22/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	NA	341.21	22.09	319.12
MW-7	**10/6/2009**	**<50**	**NA**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**<10**	**NA**	**NA**	**341.21**	**25.67**	**315.54**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.
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 or Tertiary butanol, analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane or Ethylene dibromide, analyzed by EPA Method 504.1
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
WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Notes:

a = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

b = Diesel with Silica gel clean-up.

c = The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.

d = The sample, as received, was not preserved in accordance to the referenced analytical method.

e = Hydrocarbon result partly due to individual peak(s) in quantitation range.

f = pH=5

g = Analyzed by EPA Method 8015B (M).

h = 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.

Site surveyed November 22, 2002 by Mid Coast Engineers.

MW-5 surveyed January 31, 2005 by Mid Coast Engineers of Watsonville, CA.

Wells MW-6 and MW-7 surveyed December 19, 2005 by Mid Coast Engineers.

APPENDIX A

REGULATORY LETTER

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

July 14, 2009

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

Subject: Groundwater Sampling Frequency Reductions in Response to State Water Resources Control Board Resolution No. 2009-0042

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed your proposal to reduce groundwater monitoring frequency as summarized in the attached table. This table was submitted to ACEH via email on July 13, 2009. In accordance with State Water Resources Control Board Resolution No. 2009-0042, your proposal to reduce sampling frequencies and modify analytes as proposed for the sites listed in the attached table, is acceptable. Please submit groundwater monitoring reports no later than 45 days following the end of the quarter in which the sampling was conducted.

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

Attachment: Proposed Groundwater Monitoring Frequencies

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Suzanne McClurkin-Nelson, Delta Environmental, 312 Piercy Road, San Jose, CA 95138

Regina Bussard, Delta Environmental, 312 Piercy Road, San Jose, CA 95138

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

			Previous Schedule (Enter Number of Wells)					Proposed Schedule (Enter Number of Wells)					Reasons for Monthly or Quarterly Groundwater Monitoring (Check Where Applicable)							
ACEH Case Number	Site Address	City	Monthly	Quarterly	Semiannual	Annual	Other	Monthly (Show total number of wells and list individual well designations)	Quarterly (Show total number of wells and list individual well designations)	Semiannual (Also Show Proposed Quarters 1&3 or 2&4)	Annual	Other	Assessment Incomplete	NDR Permit Required	Well Being Sampled during Remedial Action for Progress Assessment	Well Being Sampled for Free Product Evaluation and Reduction Verification	Well Being Sampled within First Year of Being Installed	Well Being Sampled for Post-Remedial Action Verification Monitoring	Well Has not Shown Reliable Consistency Yet to Warrant Reduction in Sampling Frequency	Well is Last Point of Monitoring Prior to Possible Impact to Receptor
RO0000213	11989 Dublin Boulevard	Dublin			6					6 (1/3)										
RO0000372	15275 Washington Avenue	San Leandro			4	8				4 (1/3)	8 (1Q)									
RO0002882	1801 Santa Rita Road	Pleasanton		6		2				6 (2/4)	2 (2Q)	Discontinue analyses for DIPE, ETBE, TAME, EDB, and 1,2-DCA (all wells)								
RO0000363	3790 Hopyard Road	Pleasanton		20						10 (1/3)	10 (1Q)	Reduce analyses for DIPE, ETBE, TAME, 1,2-DCA , and ethanol to annual (1Q-all wells)								
RO0000360	4226 First Street (aka 4212)	Pleasanton		5					5 wells MW-1 MW-1B MW-2 MW-3 MW-4						X					
RO0000194	5251 Hopyard Road	Pleasanton		10						9 (1/3)	4 (1Q)	Discontinue analyses for DIPE ETBE and TAME (all wells)								
RO0002522	6750 Santa Rita Road	Pleasanton		7						7 (2/4)		Discontinue analyses for DIPE, ETBE, TAME, EDB, and 1,2-DCA (all wells)								
RO0002744	8999 San Ramon Road	Dublin		10 to 16			6 wells destroyed in 2008 due to onsite redevelop-ment		9 wells MW-5 MW-5B MW-5C MW-7 MW-8 MW-8B MW-9 MW-11B MW-12			Discontinue monitoring and sampling MW-11					X (new replace-ment wells to be installed in 2009-2010)		X (issues with several wells being dry or having insufficient water for sampling)	

APPENDIX B

BLAINE TECH SERVICES, INC.

FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 6750 Santa Rita Rd Pleasanton CA Date 10-06-09

Job Number 091006-JO1 Technician JO 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-2	X	X							
MW-3	X	X							
MW-4	X	X							
MW-5	X	X							
MW-6	X	X							
MW-7	X	X							

*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 # 091006-101 Date 10-06-09 Client Shell

Site 6750 Santa Rita Rd. Pleasanton CA.

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 TOC	Notes
MW-1	0826	2					24.47	41.67		
MW-2	0824	2					24.81	41.66		
MW-3	0820	2					24.61	44.02		
MW-4	0817	2					25.53	43.94		
MW-5	0813	2					25.70	32.87		
MW-6	0809	2					26.60	28.90		
MW-7	0804	2					25.67	28.84		

SHE[illegible]ELL MONITORING DAT[illegible]EET

BTS #: 091006-SO1	Site: 6750 Pleasanton
Sampler: SO	Date: 10-06-09
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 41.67	Depth to Water (DTW): 24.47
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]: 27.91	

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: _____

2.7 (Gals.) X	3	=	8.1 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 (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0930	65.5	7.52	2269	634	2.7	
0934	65.4	7.48	2257	691	5.4	
0938	65.4	7.46	2252	786	8.1	

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Date: 10-06-09 Sampling Time: 0945 Depth to Water: 26.91

Sample I.D.: MW-1 Laboratory: (CalScience) Columbia Other_____

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

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

SHE[illegible]ELL MONITORING DAT[illegible]EET

BTS #: 091006-101	Site: 6750 Pleasanton
Sampler: JO	Date: 10-06-09
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): ~~24.51~~ 41.60	Depth to Water (DTW): ~~41.60~~ 24.51
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]: 27.93	

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: _____

2.7 (Gals.) X	3	= 8.1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1044	65.0	7.82	2001	321	2.7	
1047	65.3	7.43	2034	384	5.4	
1050	65.2	7.41	2067	421	8.1	

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Date: 10-06-09 Sampling Time: 1100 Depth to Water: 22.64

Sample I.D.: MW-2 Laboratory: (CalScience) Columbia Other_____

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

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

SHE[illegible]ELL MONITORING DAT[illegible]EET

BTS #: 091006-101	Site: 6750 Pleasanton
Sampler: JO	Date: 10-06-09
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 44.02	Depth to Water (DTW): 24.61
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]: 28.49	

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

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

3.1 (Gals.) X 3 = 9.3 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
1019	65.4	7.28	3768	>1000	3.1	
1021	65.3	7.27	3721	>1000	6.2	
1024	65.4	7.25	3689	>1000	9.3	

Did well dewater? Yes (No) Gallons actually evacuated: 9.3

Sampling Date: 10-06-09 Sampling Time: 1035 Depth to Water: 26.27

Sample I.D.: MW-3 Laboratory: (CalScience) Columbia Other_____

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

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

SHE[illegible]ELL MONITORING DAT[illegible] S[illegible]EET

BTS #: 091106-101	Site: 6750 Pleasanton
Sampler: SO	Date: 10-06-09
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 43.94	Depth to Water (DTW): 25.53
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]: 29.21	

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: _____

2.9 (Gals.) X	3	= 8.7 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0954	65.8	7.67	1630	>1000	2.9	
0957	65.9	7.60	1598	>1000	5.8	
1000	65.8	7.56	1592	>1000	8.7	

Did well dewater? Yes (No) Gallons actually evacuated: 8.7

Sampling Date: 10-06-09 Sampling Time: 1010 Depth to Water: 27.18

Sample I.D.: MW-4 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see coc.

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

SHE[illegible]ELL MONITORING DAT[illegible]EET

BTS #: 091006-SO1	Site: 6750 Pleasanton
Sampler: SO	Date: 10-06-09
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 32.87	Depth to Water (DTW): 25.70
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]: 27.13	

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

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

1.1 (Gals.) X	3 =	3.3 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
0908	65.2	7.28	3224	44	1.1	
0910	65.1	7.07	3218	87	2.2	
0912	64.8	7.04	3197	106	3.3	

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Date: 10-06-09 Sampling Time: 0920 Depth to Water: 26.87

Sample I.D.: MW-5 Laboratory: (CalScience) Columbia Other____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see coc.

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

SHEET WELL MONITORING DATA SHEET

BTS #: 091006-JO1	Site: 6750 Santa Rita Rd Pleasanton
Sampler: JO	Date: 10-06-09
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.90	Depth to Water (DTW): 26.60
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]: 27.06	

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: _____

0.4 (Gals.) X	3	=	1.2 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
0846	65.7	7.09	2325	107	0.4	
0848	65.8	7.11	2352	467	0.8	
0850	65.9	7.16	2348	828	1.2	

Did well dewater? Yes (No) Gallons actually evacuated: 1.2

Sampling Date: 10-06-09 Sampling Time: ~~0847~~ 0900 Depth to Water: 27.01

Sample I.D.: MW-6 Laboratory: (CalScience) Columbia Other_____

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

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 ..ELL MONITORING DATA S..EET

BTS #: 091006-101	Site: 6750 Pleasanton
Sampler: JD	Date: 10-06-09
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.84	Depth to Water (DTW): 25.67
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]: ~~26.0~~ 26.30	

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

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

0.5 (Gals.) X 3 = 1.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0834	66.7	7.02	2130	34	0.5	
0835	66.5	7.03	2128	109	1.0	
0836	66.5	7.01	2127	274	1.5	

Did well dewater? Yes (No) Gallons actually evacuated: 1.5

Sampling Date: 10-06-09 Sampling Time: 0840 Depth to Water: 26.12

Sample I.D.: MW-7 Laboratory: (CalScience) Columbia Other_____

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

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 SITE INSPECTION CHECKLIST

Client Shell Date 6/23/09

Site Address 6750 Santa Rita Rd Pleasanton

Job Number 090623-MS3 Technician MS

Site Status Shell ~~Branded Station~~ Vacant Lot Other

Inspected / Labeled / Cleaned - all wells on Scope Of Work	☑	
Inspected / Cleaned Components - all other identifiable wells	☑	N/A
Inspected site for site investigation & site remediation related trip hazards	☑	
Completed all outstanding *BLAINE Wellhead Repair Order(s)*	☑	N/A
Completed *Shell Wellhead Repair Form(s)*	☑	N/A
Inspected treatment / remediation system compound for security, cleanliness and appearance	☐	~~N/A~~
Inspected vacant lot for signs of habitation, hazardous materials or terrain, overgrown vegetation and security	☐	~~N/A~~
Visually inspected site drums for condition and proper labeling	☐	~~N/A~~
Unresolved deficiencies identified - *"Notice of Deficient Condition"* form(s) completed	☐	N/A

Notes

PROJECT MANAGER ONLY

Checklist Reviewed MW 7/1 Initial/Date Notes

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address: 6750 Santa Rita Rd Pleasanton Date: 6/23/09

Job Number: 090623-MS3 Technician: MS Page: 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair	Notes / Well box type / size / Materials used
MW-1							✓										✓			Notes: Tapped 2 tabs Well box type / size: 12" Emco Materials used: 2 Bolts
MW-2							✓										✓			Notes: Tapped 2 tabs Well box type / size: 8" Emco Materials used: 2 Bolts
MW-3				✓			✓										✓			Notes: Tapped 2 tabs Well box type / size: 12" Emco Materials used: 2 Bolts
MW-4							✓										✓			Notes: Tapped 2 tabs Well box type / size: 12" Emco Materials used: 2 Bolts
MW-5							✓		✓									✓		Notes: Tapped 2 tabs Well box type / size: 12" Emco Materials used: 2 Bolts
MW-6				✓			✓										✓			Notes: Tapped 2 tabs installed ID Tag Well box type / size: 12" Emco Materials used: 2 Bolts
MW-7							✓										✓			Notes: Tapped 2 tabs installed ID Tag Well box type / size: 12" Emco Materials used: 2 Bolts

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address 6750 Santa Rita Rd. Date 8-6-09

Job Number 090806-JD1 Technician JD/BW Page 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
MW-5																	X		

MW-5
Notes: Replaced Well Box - 4 bags - w/ 8" Emco
Well box type / size: 8" Emco Materials used: New Box - 4 bags

Notes:
Well box type / size: Materials used:

Notes:
Well box type / size: Materials used:

Notes:
Well box type / size: Materials used:

Notes:
Well box type / size: Materials used:

Notes:
Well box type / size: Materials used:

Notes:
Well box type / size: Materials used:

APPENDIX C

BLAINE TECH SERVICES, INC.

FIELD PROCEDURES

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

October 27, 2009

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Fourth Quarter 2009 Groundwater Monitoring at
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Monitoring performed on October 6, 2009

Groundwater Monitoring Report **091006-JO-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,

Mike Ninokata
Project Manager

MN/np

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

cc: Regina Bussard
Delta Environmental
175 Bernal Road, 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 dewaters 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

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Calscience Environmental Laboratories, Inc.

October 19, 2009

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

Subject: **Calscience Work Order No.: 09-10-0589**
Client Reference: 6750 Santa Rita Rd., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 10/8/2009 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,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 10/08/09
Work Order No: 09-10-0589
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 6750 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**09-10-0589-1-B**	**10/06/09 09:45**	**Aqueous**	**GC/MS T**	**10/14/09**	**10/14/09 21:05**	**091014L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	5.2	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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	115	80-132			1,2-Dichloroethane-d4	119	80-141		
Toluene-d8	96	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	90	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	**09-10-0589-2-B**	**10/06/09 11:00**	**Aqueous**	**GC/MS T**	**10/14/09**	**10/14/09 21:35**	**091014L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	2		Methyl-t-Butyl Ether (MTBE)	190	2.0	2	
Ethylbenzene	ND	2.0	2		Tert-Butyl Alcohol (TBA)	ND	20	2	
Toluene	ND	2.0	2		TPPH	130	100	2	
Xylenes (total)	ND	2.0	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	117	80-132			1,2-Dichloroethane-d4	120	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	88	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**09-10-0589-3-B**	**10/06/09 10:35**	**Aqueous**	**GC/MS T**	**10/14/09**	**10/14/09 22:05**	**091014L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	61	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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	116	80-132			1,2-Dichloroethane-d4	119	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	90	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	10/08/09
1680 Rogers Avenue		Work Order No:	09-10-0589
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 6750 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	**09-10-0589-4-B**	**10/06/09 10:10**	**Aqueous**	**GC/MS T**	**10/14/09**	**10/14/09 22:34**	**091014L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	34	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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	119	80-132			1,2-Dichloroethane-d4	123	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	88	76-120							

MW-5	**09-10-0589-5-B**	**10/06/09 09:20**	**Aqueous**	**GC/MS T**	**10/14/09**	**10/14/09 23:04**	**091014L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	24	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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	120	80-132			1,2-Dichloroethane-d4	125	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	88	76-120							

MW-6	**09-10-0589-6-B**	**10/06/09 09:00**	**Aqueous**	**GC/MS T**	**10/14/09**	**10/14/09 23:33**	**091014L01**

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						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	118	80-132			1,2-Dichloroethane-d4	124	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	89	76-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 10/08/09
Work Order No: 09-10-0589
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 6750 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	**09-10-0589-7-B**	**10/06/09 08:40**	**Aqueous**	**GC/MS T**	**10/14/09**	**10/15/09 00:03**	**091014L01**

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						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	80-132		1,2-Dichloroethane-d4	122	80-141	
Toluene-d8	97	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	91	76-120					

Method Blank	099-12-767-2,709	N/A	Aqueous	GC/MS T	10/14/09	10/14/09 16:10	091014L01

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						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	80-132		1,2-Dichloroethane-d4	107	80-141	
Toluene-d8	97	80-120		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	91	76-120					

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 10/08/09
Work Order No: 09-10-0589
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 6750 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-10-0916-1	**Aqueous**	**GC/MS T**	**10/14/09**	**10/14/09**	**091014S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	99	72-120	2	0-20	
Carbon Tetrachloride	103	104	63-135	1	0-20	
Chlorobenzene	95	98	80-120	3	0-20	
1,2-Dibromoethane	95	98	80-120	3	0-20	
1,2-Dichlorobenzene	96	98	80-120	2	0-20	
1,1-Dichloroethene	93	120	60-132	25	0-24	4
Ethylbenzene	101	104	78-120	3	0-20	
Toluene	95	98	74-122	3	0-20	
Trichloroethene	97	99	69-120	3	0-20	
Vinyl Chloride	83	84	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	91	93	72-126	2	0-21	
Tert-Butyl Alcohol (TBA)	88	97	72-126	10	0-20	
Diisopropyl Ether (DIPE)	83	84	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	85	88	74-128	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	86	91	76-124	5	0-20	
Ethanol	66	76	35-167	14	0-48	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 09-10-0589
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 6750 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-2,709	**Aqueous**	**GC/MS T**	**10/14/09**	**10/14/09**	**091014L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	96	80-122	73-129	1	0-20	
Carbon Tetrachloride	108	103	68-140	56-152	5	0-20	
Chlorobenzene	97	95	80-120	73-127	2	0-20	
1,2-Dibromoethane	99	95	80-121	73-128	4	0-20	
1,2-Dichlorobenzene	96	94	80-120	73-127	2	0-20	
1,1-Dichloroethene	102	121	72-132	62-142	17	0-25	
Ethylbenzene	101	98	80-126	72-134	3	0-20	
Toluene	95	93	80-121	73-128	2	0-20	
Trichloroethene	99	96	80-123	73-130	3	0-20	
Vinyl Chloride	87	84	67-133	56-144	4	0-20	
Methyl-t-Butyl Ether (MTBE)	92	89	75-123	67-131	2	0-20	
Tert-Butyl Alcohol (TBA)	109	111	75-123	67-131	2	0-20	
Diisopropyl Ether (DIPE)	86	84	71-131	61-141	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	84	81	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	86	85	80-123	73-130	1	0-20	
Ethanol	91	86	61-139	48-152	6	0-27	
TPPH	78	77	65-135	53-147	1	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

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-10-0589

Qualifier	Definition
*	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.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☑ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☑ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER _____

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 9 7 4 6 4 7 1 1 ☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #:

DATE: 10-06-09

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS: Street and City: 6750 Santa Rita Rd., Pleasanton	State: CA	GLOBAL ID NO: T0600102532
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	CONSULTANT PROJECT NO: 091006-301 BTS #
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata		SAMPLER NAME(S) (Print): S. Ortiz		LAB USE ONLY: 10-0589
TELEPHONE: (408)573-0555	FAX: (408)573-7771	E-MAIL: mninokata@blainetech.com		

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 Regina Bussard w/final report rbussard@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 DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
1	MW-1	10/6	0945	W	3					3	X		X		X	X								
2	MW-2		1100																					
3	MW-3		1035																					
4	MW-4		1010																					
5	MW-5		0920																					
6	MW-6		0900																					
7	MW-7		0840																					

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) (sample custodian)	Date: 10-06-09	Time: 1530
Relinquished by: (Signature)	Received by: (Signature) Tom O'Reilly CCL	Date: 10/7/09	Time: 1410
Relinquished by: (Signature) CO 10-7-09 1730	Received by: (Signature)	Date: 10/8/09	Time: 1030

5127857O6

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-10-0589

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 10/8/09

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:** JH

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** JH

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** WSC

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

CONTAINER TYPE:

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

Water: ☐VOA ☑3 VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** WSC

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

Preservative: **h:** HCL **n:** HNO3 **na$_2$:**$Na_2S_2O_3$ **Na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** WSC