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Alameda County
Environmental Health

August 28, 2009
DELTA Project No. SCA8999S1A
SAP No. 135244

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

**Re: SECOND QUARTER 2009 GROUNDWATER MONITORING
REPORT
Shell-Branded Service Station
8999 San Ramon Road
Dublin, California**



Dear Mr. Wickham:

On behalf of Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared this *Second Quarter 2009 Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were performed 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 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.

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Second Quarter 2009 Groundwater Monitoring Report
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If you have any questions regarding this site, please contact Ms. Regina Bussard (Delta Site Manager) at (408) 826-1876 or Mr. Denis Brown (Shell Project Manager) at (707) 865-0251.

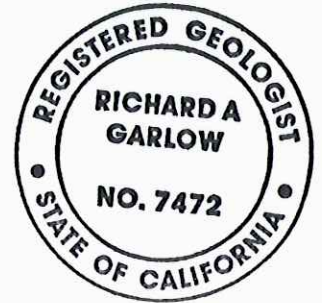
Sincerely,
Delta Consultants



Regina Bussard, P.G.
Project Manager



Richard A. Garlow, M.S., P.G.
Project Specialist



Attachment: Second Quarter 2009 Groundwater Monitoring Report

cc: Denis Brown, Shell Oil Products US, Carson
Carl Cox, C and J Cox Corporation, Pleasanton
Colleen Winey, Zone 7 Water Agency, Livermore

SHELL QUARTERLY STATUS REPORT

Station Address:	8999 San Ramon Road, Dublin, California
DELTA Project No.:	SCA8999S1A
SHELL Project Manager / Phone No.:	Denis Brown / (707) 865-0251
DELTA Site Manager / Phone No.:	Regina Bussard / (408) 826-1876
Primary Agency / Regulatory ID:	Alameda County Health Care Services Agency (ACHCSA) / Jerry Wickham
Other Agencies to Receive Copies:	Zone 7 Water Agency

WORK PERFORMED THIS QUARTER (SECOND– 2009):

1. Quarterly groundwater monitoring and sampling on **May 7, 2009**. Submitted quarterly report.

WORK PROPOSED FOR NEXT QUARTER (THIRD– 2009):

1. Quarterly groundwater monitoring and sampling. Submit quarterly report.

Current Phase of Project:	Site Assessment, Groundwater monitoring
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:	NA
Groundwater Recovered This Quarter:	261 gallons were recovered during sampling on May 7, 2009.
Sensitive Receptor(s) and Respective Direction(s):	No municipal water supply wells were identified within a one-mile radius. A domestic drinking water well (25/1W-35L001) is located ~2,300 ft. southwest of the site.
Site Lithology:	Predominately clay with sand and sandy lean clays to a total depth of approximately 30 feet bgs plus CPT data to 80 feet.
Current Remediation Techniques:	None
Permits for Discharge:	None
Approximate Depth to Groundwater:	24.20 feet to 33.91 feet below top of well casing
Groundwater Gradient:	Indeterminable. Insufficient data points.
Current Agency Correspondence:	ACHCSA letter dated July 14, 2009
Date of Most Recent Work Plan Approval:	NA

SHELL QUARTERLY STATUS REPORT (CONT.)

Site History:

Case opening	August 2004
On-Site Assessment	July 2005
Off-Site Assessment	July 2006 -Present
Passive Remediation	Monitor Natural Attenuation
Active Remediation	150 cubic yards of soil removed in 2004
Summary of Unusual Activity:	Well MW-11 was dry. Wells MW-5, MW-7, and MW-9 contained insufficient water for sampling.

Discussion:

On May 21 and 22, 2008, monitoring wells MW-1, MW-2, MW-3, MW-4, MW-6, and MW-10 were destroyed for Station remodel and renovation.

ATTACHMENTS:

Table

Table 1 – Well Concentrations

Figures

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Map

Figure 3 – Hydrocarbon Distribution in Groundwater Map

Figure 4 – Groundwater Flow Direction Rose Diagram

Appendices

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

Appendix B – Blaine Tech Services, Inc. Field Procedures

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

TABLE

**TABLE 1
WELL CONCENTRATIONS
Shell Service Station
8999 San Ramon Road
Dublin, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-1	5/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.93	NA
MW-1	5/19/2005	<5,000	160 a	<50	<50	<50	<100	1,400	<200	<200	<200	57,000	420.06	20.70	399.36
MW-1	8/15/2005	<5,000	<50	<50	<50	<50	<100	360	<200	<200	<200	56,000	420.06	23.98	396.08
MW-1	11/8/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	1/30/2006	585	438	<0.500	<0.500	<0.500	<0.500	15.6	<0.500	<0.500	<0.500	115,000	420.06	26.39	393.67
MW-1	5/19/2006	2,940	279 c	<0.500	<0.500	<0.500	<0.500	150	<0.500	0.940	<0.500	49,500	420.06	23.10	396.96
MW-1	8/24/2006	812	85.6 c	<0.500	<0.500	<0.500	<0.500	33.0	<0.500	0.890	<0.500	30,700	420.06	23.94	396.12
MW-1	11/2/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	1/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	6/5/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	2/15/2008	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	26.45	393.61
MW-1	5/15/2008	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-2	5/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.72	NA
MW-2	5/19/2005	<500	<50	<5.0	<5.0	<5.0	<10	11	<20	<20	<20	4,200	418.88	21.26	397.62
MW-2	8/15/2005	<1,000	<50	<10	<10	<10	<20	<10	<40	<40	<40	7,500	418.88	25.33	393.55
MW-2	11/8/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
MW-2	1/30/2006	<50.0	401	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1,310	418.88	25.87	393.01
MW-2	5/19/2006	398	134 c	<0.500	<0.500	<0.500	<0.500	7.65	<0.500	<0.500	<0.500	4,910	418.88	21.75	397.13
MW-2	8/24/2006	<50.0	<46.9 c	<0.500	<0.500	<0.500	<0.500	2.82	<0.500	<0.500	<0.500	4,070	418.88	24.60	394.28
MW-2	11/2/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
MW-2	1/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
MW-2	6/5/2007	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	26.54	392.34
MW-2	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
MW-2	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
MW-2	2/15/2008	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	26.15	392.73

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MW-2	5/15/2008	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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MW-3	5/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.08	NA
MW-3	5/19/2005	<50	120 a	<0.50	<0.50	<0.50	<1.0	40	<2.0	<2.0	<2.0	6.5	417.24	19.08	398.16
MW-3	8/15/2005	<50	73	<0.50	<0.50	<0.50	<1.0	34	<2.0	<2.0	<2.0	<5.0	417.24	22.20	395.04
MW-3	11/8/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
MW-3	1/30/2006	<50.0	412	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	417.24	23.64	393.60
MW-3	5/19/2006	<50.0	183 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	417.24	19.00	398.24
MW-3	8/24/2006	<50.0	214 c	<0.500	<0.500	<0.500	<0.500	3.11	<0.500	<0.500	<0.500	661	417.24	21.84	395.40
MW-3	11/2/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
MW-3	1/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
MW-3	6/5/2007	<50 f	230 c	<0.50	<1.0	<1.0	<1.0	0.38 g	<2.0	<2.0	<2.0	<10	417.24	23.80	393.44
MW-3	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
MW-3	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
MW-3	2/15/2008	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	23.60	393.64
MW-3	5/15/2008	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-4	5/9/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.77	NA
MW-4	5/19/2005	97	59 a	0.66	<0.50	<0.50	<1.0	4.8	<2.0	<2.0	<2.0	8.2	420.52	19.85	400.67
MW-4	8/15/2005	67	<50	<0.50	<0.50	<0.50	<1.0	0.86	<2.0	<2.0	<2.0	<5.0	420.52	23.34	397.18
MW-4	11/8/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.52	NA	NA
MW-4	1/30/2006	<50.0	112	<0.500	<0.500	<0.500	<0.500	1.63	<0.500	<0.500	<0.500	<10.0	420.52	24.13	396.39
MW-4	5/19/2006	<50.0	<46.9 c	<0.500	<0.500	<0.500	<0.500	1.08	<0.500	<0.500	<0.500	<10.0	420.52	19.79	400.73
MW-4	8/24/2006	<50.0	<47.2 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	78.3	420.52	22.50	398.02
MW-4	11/2/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.52	NA	NA
MW-4	1/29/2007	<50	<50 c	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	420.52	25.82	394.70
MW-4	6/5/2007	62 f	120 c	<0.50	<1.0	<1.0	<1.0	1.4	<2.0	<2.0	<2.0	<10	420.52	24.32	396.20
MW-4	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.52	NA	NA

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MW-4	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.52	NA	NA
MW-4	2/15/2008	56 f	<50 c	<0.50	<1.0	<1.0	<1.0	2.9	<2.0	<2.0	<2.0	<10	420.52	24.34	396.18
MW-4	5/15/2008	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-5	8/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	25.25	391.63
MW-5	8/24/2006	<50.0	108 c	<0.500	<0.500	<0.500	<0.500	3.33	<0.500	<0.500	<0.500	21.0	416.88	25.70	391.18
MW-5	11/2/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	416.88	28.00	388.88
MW-5	1/29/2007	<50	66 c	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	416.88	27.80	389.08
MW-5	6/5/2007	<50 f	2,200 c,e	<0.50	<1.0	<1.0	<1.0	0.56 g	<2.0	<2.0	<2.0	<10	416.88	27.72	389.16
MW-5	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	NA	NA
MW-5	11/30/2007	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	28.39	388.49
MW-5	2/15/2008	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	27.55	389.33
MW-5	5/27/2008	<50	83 c	<0.50	<1.0	<1.0	<1.0	4.3	<2.0	<2.0	<2.0	<10	416.88	26.68	390.20
MW-5	8/5/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	NA	NA
MW-5	11/17/2008	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	28.48	388.40
MW-5	2/5/2009	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	NA	NA
MW-5	5/7/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	416.88	27.78	389.10

MW-5B	2/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.66	29.74	387.92
MW-5B	2/15/2008	110 e,f	<50 c	<0.50	<1.0	<1.0	<1.0	1,700	<2.0	<2.0	<2.0	250	417.66	28.85	388.81
MW-5B	5/27/2008	620	<50 c	<2.5	<5.0	<5.0	<5.0	590	<10	<10	<10	<50	417.66	27.89	389.77
MW-5B	8/5/2008	470	140 c,h	<2.5	<5.0	<5.0	<5.0	430	<10	<10	<10	<50	417.66	32.21	385.45
MW-5B	11/17/2008	1,100	<50 c	<2.5	<5.0	<5.0	<5.0	830	<10	<10	<10	<50	417.66	35.25	382.41
MW-5B	2/5/2009	1,100	<50 c	<2.5	<5.0	<5.0	<5.0	1,000	<10	<10	<10	<50	417.66	34.94	382.72
MW-5B	5/7/2009	680	<50 c	<2.5	<5.0	<5.0	<5.0	780	<10	<10	<10	<50	417.66	28.58	389.08

MW-5C	2/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.10	33.97	383.13
MW-5C	2/15/2008	<50 f	<50 c	<0.50	<1.0	<1.0	<1.0	360	<2.0	<2.0	<2.0	97	417.10	34.25	382.85

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MW-5C	5/27/2008	350	<50 c	<2.5	<5.0	<5.0	<5.0	290	<10	<10	<10	<50	417.10	33.97	383.13
MW-5C	8/5/2008	210	<50 c,h	<1.0	<2.0	<2.0	<2.0	180	<4.0	<4.0	<4.0	<20	417.10	37.30	379.80
MW-5C	11/17/2008	180	<50 c	<1.0	<2.0	<2.0	<2.0	120	<4.0	<4.0	<4.0	<20	417.10	40.23	376.87
MW-5C	2/5/2009	180	<50 c	<1.0	<2.0	<2.0	<2.0	150	<4.0	<4.0	<4.0	<20	417.10	39.70	377.40
MW-5C	5/7/2009	150	<50 c	<1.0	<2.0	<2.0	<2.0	160	<4.0	<4.0	<4.0	<20	417.10	33.91	383.19

MW-6	2/28/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	422.50	23.55	398.95
MW-6	3/3/2006	<50.0	104	<0.500	<0.500	<0.500	<0.500	4.93	<0.500	<0.500	<0.500	<10.0	422.50	23.30	399.20
MW-6	5/19/2006	<50.0	<46.9	<0.500	<0.500	<0.500	<0.500	5.76	<0.500	<0.500	<0.500	<10.0	422.50	20.31	402.19
MW-6	8/24/2006	<50.0	<47.2 c	<0.500	<0.500	<0.500	<0.500	0.870	<0.500	<0.500	<0.500	<10.0	422.50	23.69	398.81
MW-6	11/2/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	422.50	28.51	393.99
MW-6	1/29/2007	<50	<50 c	<0.50	<0.50	<0.50	<1.0	1.7	<2.0	<2.0	<2.0	<5.0	422.50	27.08	395.42
MW-6	6/5/2007	<50 f	97 c	<0.50	<1.0	<1.0	<1.0	1.1	<2.0	<2.0	<2.0	<10	422.50	25.77	396.73
MW-6	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	422.50	NA	NA
MW-6	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	422.50	NA	NA
MW-6	2/15/2008	<50 f	<50 c	<0.50	<1.0	<1.0	<1.0	9.0	<2.0	<2.0	<2.0	<10	422.50	25.56	396.94
MW-6	5/15/2008	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-7	8/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	25.84	388.51
MW-7	8/24/2006	<50.0	<47.2 c	<0.500	<0.500	<0.500	<0.500	2.63	<0.500	<0.500	<0.500	751	414.35	26.21	388.14
MW-7	11/2/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	1/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	6/5/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	2/15/2008	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	27.95	386.40
MW-7	5/27/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	2.0	<2.0	<2.0	<2.0	<10	414.35	26.93	387.42
MW-7	8/5/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA

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8999 San Ramon Road
Dublin, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
---------	------	----------------	----------------	-------------	-------------	-------------	-------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------

MW-7	11/17/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	2/5/2009	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	NA	NA
MW-7	5/7/2009	Insufficient water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.35	27.96	386.39

MW-8	8/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.54	23.02	391.52
MW-8	8/24/2006	110	74.5 c	<0.500	<0.500	<0.500	<0.500	4.62	<0.500	<0.500	<0.500	6,610	414.54	23.17	391.37
MW-8	11/2/2006	92	96 c	<0.50	<0.50	<0.50	<1.0	1.4	<2.0	<2.0	<2.0	2,300	414.54	27.69	386.85
MW-8	1/29/2007	<50	<50 c	<0.50	<0.50	<0.50	<1.0	0.51	<2.0	<2.0	<2.0	350	414.54	26.40	388.14
MW-8	6/5/2007	<50 f	120 c	<0.50	<1.0	<1.0	<1.0	0.48 g	<2.0	<2.0	<2.0	290	414.54	25.17	389.37
MW-8	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.54	NA	NA
MW-8	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.54	NA	NA
MW-8	2/15/2008	<50 f	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	414.54	24.66	389.88
MW-8	5/27/2008	58	<50 c	<0.50	<1.0	<1.0	<1.0	1.4	<2.0	<2.0	<2.0	520	414.54	25.98	388.56
MW-8	8/5/2008	<50	<50 c,h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	34	414.54	26.62	387.92
MW-8	11/17/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.54	NA	NA
MW-8	2/5/2009	Insufficient water	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.54	28.62	385.92
MW-8	5/7/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	414.54	24.20	390.34

MW-8B	2/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	414.81	26.81	388.00
MW-8B	2/15/2008	<50 f	<50 c	<0.50	<1.0	<1.0	<1.0	17	<2.0	<2.0	<2.0	65	414.81	26.23	388.58
MW-8B	5/27/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	23	<2.0	<2.0	<2.0	33	414.81	25.51	389.30
MW-8B	8/5/2008	<50	<50 c,h	<0.50	<1.0	<1.0	<1.0	11	<2.0	<2.0	<2.0	<10	414.81	28.72	386.09
MW-8B	11/17/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	6.3	<2.0	<2.0	<2.0	<10	414.81	31.66	383.15
MW-8B	2/5/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	5.4	<2.0	<2.0	<2.0	<10	414.81	30.97	383.84
MW-8B	5/7/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	6.4	<2.0	<2.0	<2.0	<10	414.81	25.92	388.89

MW-9	8/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	27.75	384.94
MW-9	8/24/2006	<50.0	69.9 c,d	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	86.8	412.69	28.35	384.34

**TABLE 1
WELL CONCENTRATIONS
Shell Service Station
8999 San Ramon Road
Dublin, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-9	11/2/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	412.69	28.43	384.26
MW-9	1/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	NA	NA
MW-9	6/5/2007	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	28.72	383.97
MW-9	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	NA	NA
MW-9	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	NA	NA
MW-9	2/15/2008	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	28.00	384.69
MW-9	5/27/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	412.69	27.93	384.76
MW-9	8/5/2008	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	28.40	384.29
MW-9	11/17/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	NA	NA
MW-9	2/5/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	28.54	384.15
MW-9	5/7/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	412.69	28.41	384.28

MW-10	8/21/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	419.48	23.90	395.58
MW-10	8/24/2006	626	100 c	1.04	<0.500	1.22	<0.500	12.4	<0.500	<0.500	<0.500	5,740	419.48	24.02	395.46
MW-10	11/2/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	419.48	28.50	390.98
MW-10	1/29/2007	91	<50 c	<0.50	<0.50	<0.50	<1.0	4.9	<2.0	<2.0	<2.0	1,900	419.48	27.30	392.18
MW-10	6/5/2007	82 f	150 c	<0.50	<1.0	<1.0	<1.0	1.3	<2.0	<2.0	<2.0	540	419.48	26.09	393.39
MW-10	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	419.48	NA	NA
MW-10	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	419.48	NA	NA
MW-10	2/15/2008	<50 f	<50 c	<0.50	<1.0	<1.0	<1.0	1.6	<2.0	<2.0	<2.0	500	419.48	25.58	393.90
MW-10	5/15/2008	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

MW-11	8/21/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	8/24/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	11/2/2006	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	1/29/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	6/5/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	8/27/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA

**TABLE 1
WELL CONCENTRATIONS
Shell Service Station
8999 San Ramon Road
Dublin, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-11	11/30/2007	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	2/15/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	5/27/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	8/5/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	11/17/2008	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	2/5/2009	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA
MW-11	5/7/2009	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.69	NA	NA

MW-11B	2/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	409.03	31.47	377.56
MW-11B	2/15/2008	<50 f	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	31.53	377.50
MW-11B	5/27/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	30.83	378.20
MW-11B	8/5/2008	<50	<50 c,h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	33.51	375.52
MW-11B	11/17/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	35.80	373.23
MW-11B	2/5/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	36.11	372.92
MW-11B	5/7/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	31.21	377.82

MW-12	2/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	411.18	31.10	380.08
MW-12	2/15/2008	<50 f	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	31.22	379.96
MW-12	5/27/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	30.53	380.65
MW-12	8/5/2008	<50	<50 c,h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	33.29	377.89
MW-12	11/17/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	35.20	375.98
MW-12	2/5/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	35.12	376.06
MW-12	5/7/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	30.81	380.37

**TABLE 1
WELL CONCENTRATIONS
Shell Service Station
8999 San Ramon Road
Dublin, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified 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

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 Service Station
8999 San Ramon Road
Dublin, 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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
----------------	-------------	-----------------------	-----------------------	--------------------	--------------------	--------------------	--------------------	--------------------------------------	-----------------------	-----------------------	-----------------------	----------------------	---------------------	--	--

Notes:

a = Hydrocarbon reported does not match the pattern of the laboratory's Diesel standard.

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

c = Diesel with silica gel clean-up.

d = Insufficient sample available for reanalysis.

e = 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.

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

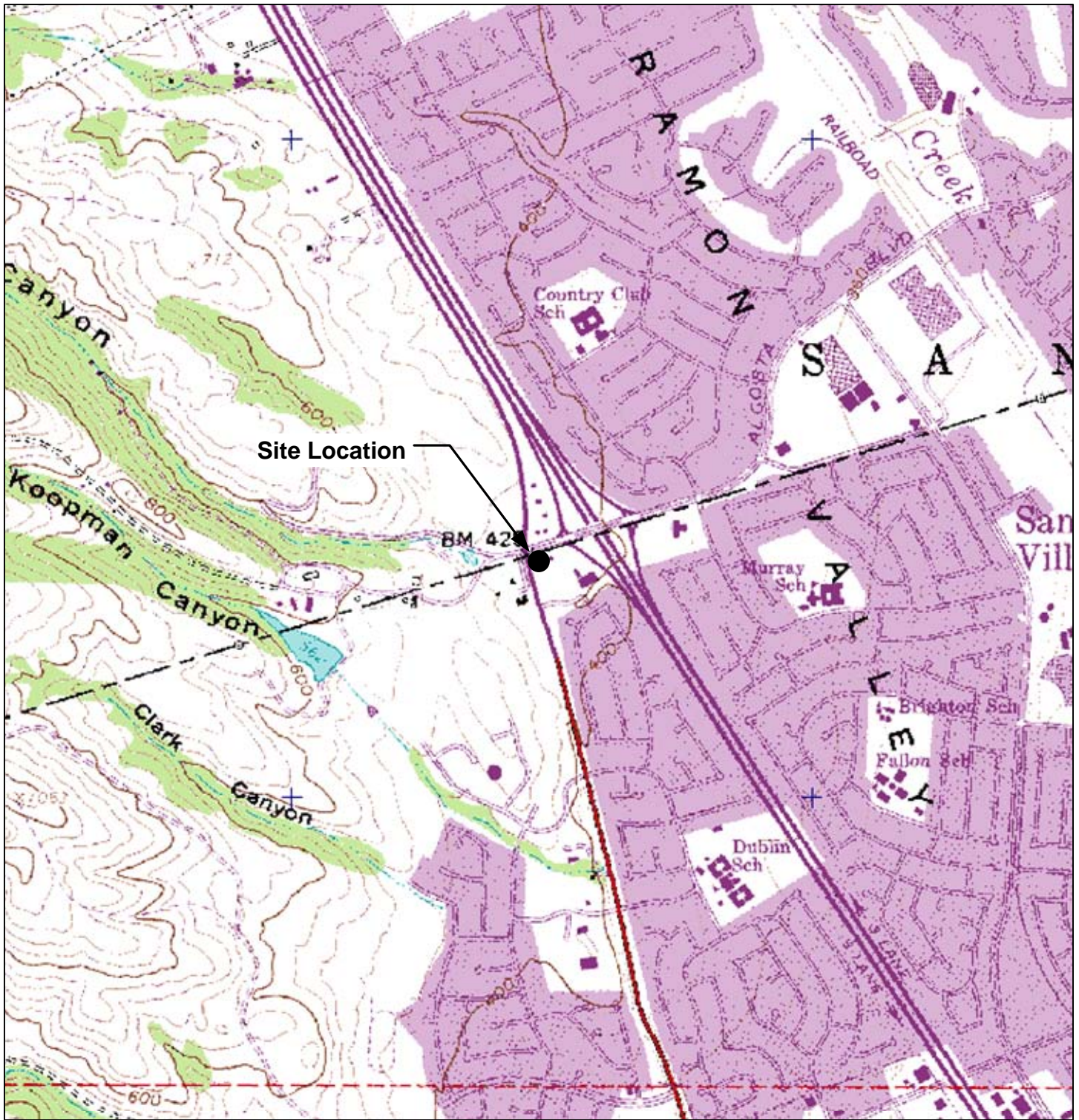
g = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

h = TPH as Diesel is quantified in the carbon range C10-C28

Site surveyed May 10, 2005 by Mid Coast Engineers.

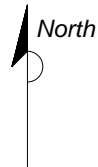
Well MW-6 surveyed March 3, 2006 by Mid Coast Engineers.

FIGURES

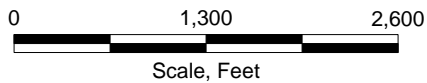


GENERAL NOTES:

Base Map from: 3-D TopoQuads DeLorme
 Yarmouth, ME 04096 Source Data: USGS



QUADRANGLE LOCATION



Scale, Feet

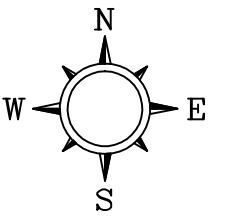
FIGURE 1
SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION
 8999 San Ramon Road
 Dublin, California

PROJECT NO. SCA8999S1A	DRAWN BY V. F. 12/9/04
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY



PROJECT NUMBER SCA8999S1A
 APPROVED BY
 CHECKED BY
 DRAWN BY J.F.F. 6/2/2009



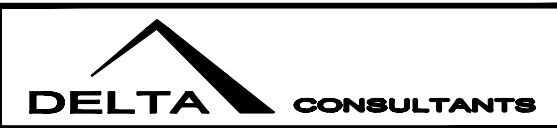
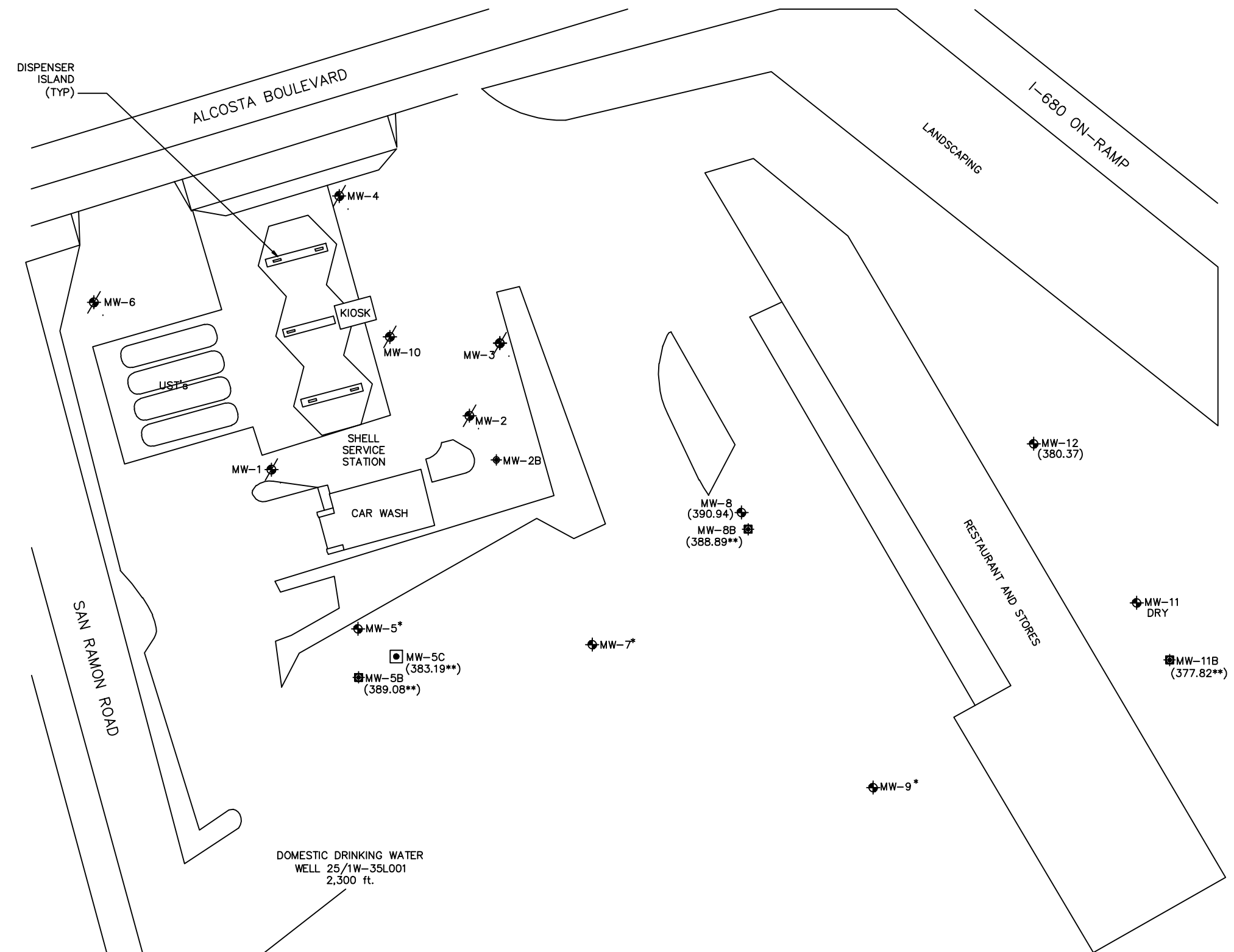
LEGEND

- MW-5 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-1 DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-8B GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-5C GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- MW-2B PROPOSED GROUNDWATER MONITORING WELL LOCATION
- (396.94) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
- ** B AND C LEVEL WELLS NOT USED IN CONTOURING
- * INSUFFICIENT WATER FOR SAMPLING DATA NOT USED IN CONTOURING
- DRY WELL DRY, NOT SAMPLED

NOTE

GROUNDWATER FLOW AND DIRECTION UNDETERMINABLE. INSUFFICIENT DATA POINTS.

40
20
0
SCALE IN FEET



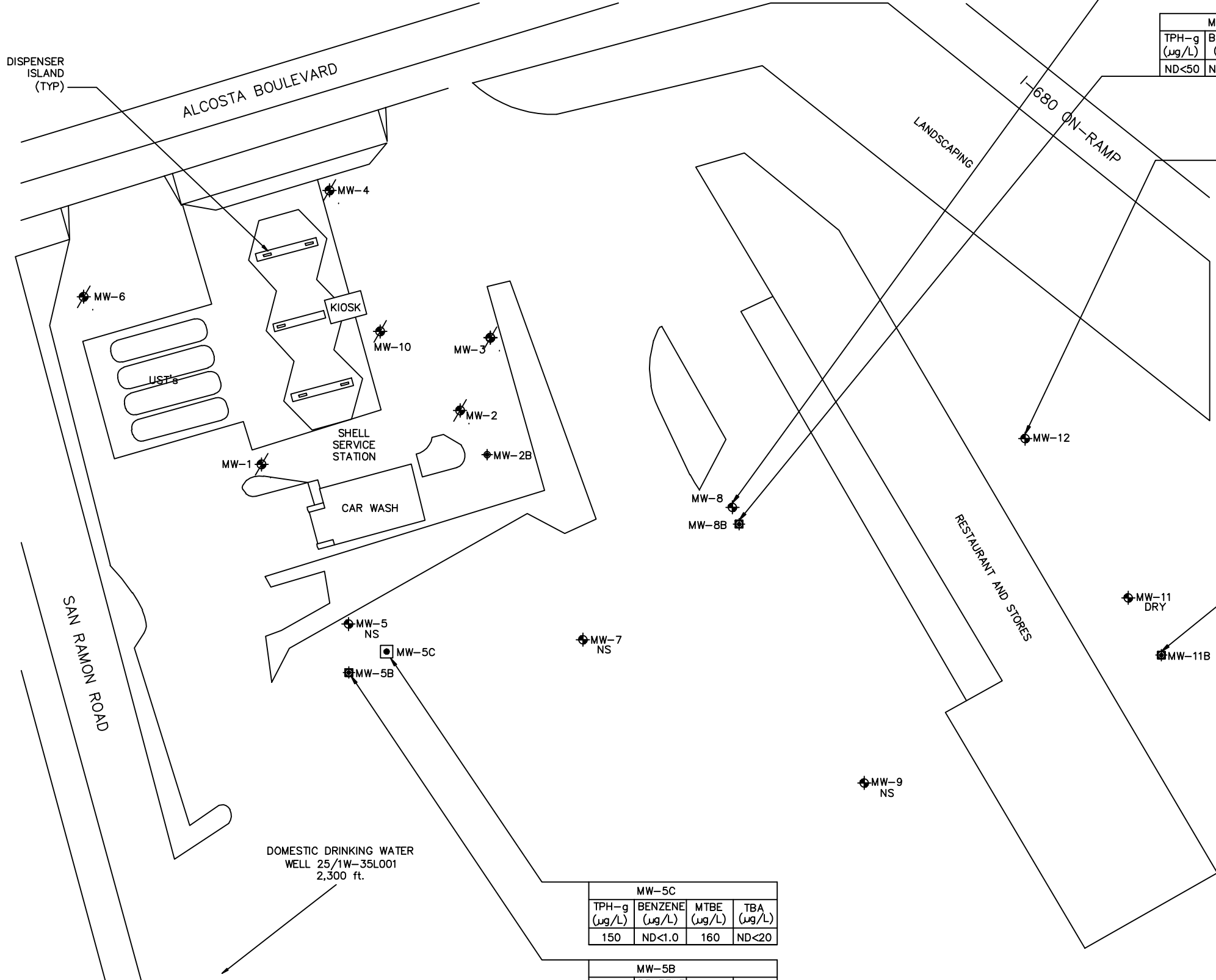
SHELL OIL PRODUCTS U.S.
 SHELL-BRANDED SERVICE STATION
 DUBLIN, CALIFORNIA

FIGURE 2
GROUNDWATER ELEVATION
MAP
5/7/2009

8999 SAN RAMON ROAD
 DUBLIN, CALIFORNIA

PROJECT NUMBER SCA8999S1A
 APPROVED BY
 CHECKED BY
 DRAWN BY J.F.F. 6/2/2009

0 20 40
 SCALE IN FEET



MW-8			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
ND<50	ND<0.50	ND<1.0	ND<10

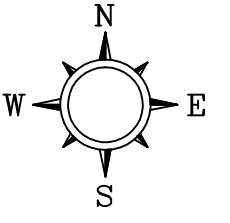
MW-8B			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
ND<50	ND<0.50	6.4	ND<10

MW-12			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
ND<50	ND<0.50	ND<1.0	ND<10

MW-11B			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
ND<50	ND<0.50	ND<1.0	ND<10

MW-5C			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
150	ND<1.0	160	ND<20

MW-5B			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
680	ND<2.5	780	ND<50



- LEGEND**
- MW-5 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - MW-1 DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - MW-8B GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - MW-5C GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - MW-2B PROPOSED GROUNDWATER MONITORING WELL LOCATION
 - TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
 - MTBE METHYL TERT-BUTYL ETHER
 - TBA TERT-BUTYL ALCOHOL
 - ND< NOT DETECTED ABOVE LIMIT NOTED
 - µg/L MICROGRAMS PER LITER
 - NA NOT ANALYZED
 - DRY WELL DRY, NOT SAMPLED
 - NS NOT SAMPLED

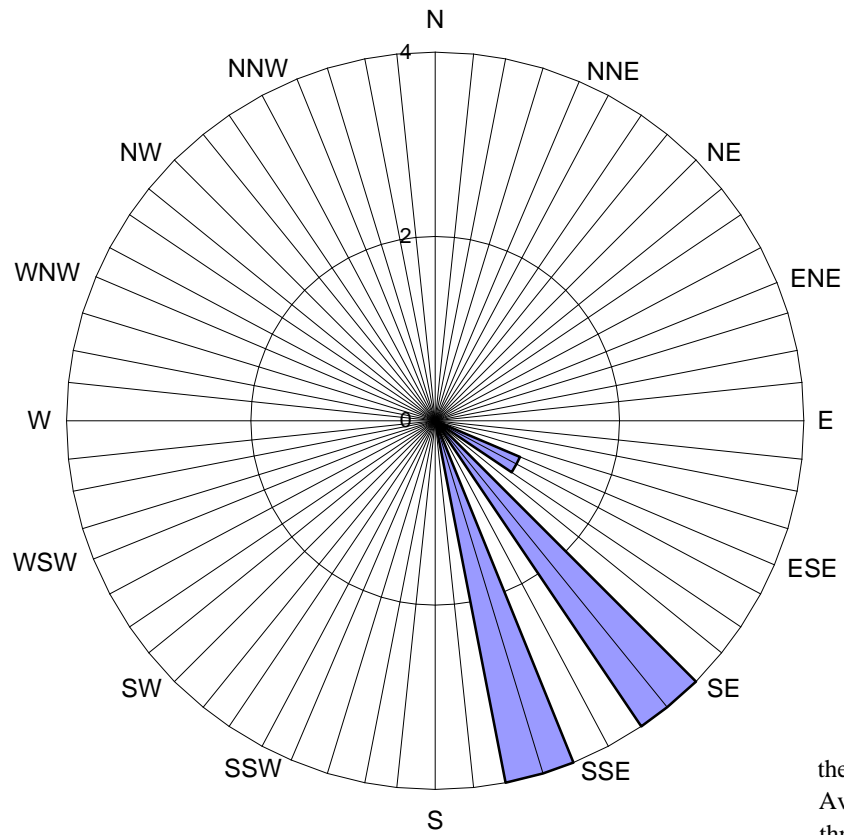


SHELL OIL PRODUCTS U.S.
 SHELL-BRANDED SERVICE STATION
 DUBLIN, CALIFORNIA

FIGURE 3
HYDROCARBON DISTRIBUTION IN
GROUNDWATER MAP
5/7/2009

8999 SAN RAMON ROAD
 DUBLIN, CALIFORNIA

Figure 4
Groundwater Flow Direction Rose Diagram
Shell-branded Service Station
8999 San Ramon Road
Dublin, California



■ Groundwater Flow Direction

Legend
Concentric Circles Represent
the Number of Quarterly Monitoring Events
Available Data from First Quarter 2005
through Second Quarter 2009 Presented
9 Data Points Shown

APPENDIX A
BLAINE TECH SERVICES, INC.
FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 San Ramon Rd.

Date 5/7/09

Job Number 090507-EMZ

Technician R. McCarthy

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-5			X					✓	NO TAG
MW-5B								✓	NO TAG
MW-5C								✓	NO TAG
MW-7								✓	NO TAG
MW-8			X					✓	NO TAG
MW-8B								✓	NO TAG
MW-9			X					✓	NO TAG
MW-11								✓	NO TAG
MW-11B								✓	NO TAG
MW-12								✓	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 # 090507-RW2 Date 5/7/09 Client SHELL

Site 8999 San Ramon Rd. Dublin

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-5	1118	4					27.78	28.37	 ↓		
MW-5B	1122	4					28.58	66.64			
MW-5C	1115	4					33.91	99.11			
MW-7	1108	4					27.96	28.50			
MW-8	1056	4					24.20	28.71			
MW-8B	1100	4					25.92	68.32			
MW-9	1105	4					28.41	28.60			
MW-11	1135	2					DRY	28.32			
MW-11B	1131	4					31.21	38.11			
MW-12	1138	4					30.81	38.61			

SHELF WELL MONITORING DATA SHEET

BTS #: 090507-RM2	Site: 8999 San Ramon Rd. Dublin
Sampler: RM	Date: 5/17/09
Well I.D.: MW-5	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 28.37	Depth to Water (DTW): 27.78
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]:	

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: _____

_____ (Gals.) X _____ = _____ Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<i>Insufficient water to purge & sample.</i>						

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: **CalScience** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COE**

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 #: 090507-RMZ	Site: 8779 San Ramon Rd. Dublin
Sampler: R.M	Date: 5/7/09
Well I.D.: MW-5B	Well Diameter: 2 3 4 6 8 _____
Total Well Depth (TD): 66.64	Depth to Water (DTW): 28.58 38.
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]: 36.19	

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: _____

24.8 (Gals.) X 3 = 74.4 Gals.	24.8 (Gals.) X 3 = 74.4 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
1408	69.6	7.02	1159	90.7	24.8	clear
1413	68.8	6.84	1152	96.7	49.6	" "
1418	68.6	6.86	1155	104	74.4	" "
						DTW \rightarrow 48.16

Did well dewater? Yes No Gallons actually evacuated: **74.4**

Sampling Date: **5/7/09** Sampling Time: **1430** Depth to Water: **36.18**

Sample I.D.: **MW-5B** Laboratory: **CalScience** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COE**

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

SHEIL WELL MONITORING DATA SHEET

BTS #: 090507-RMZ	Site: 8899 San Ramon Rd. Dublin
Sampler: RM	Date: 5/7/09
Well I.D.: MW-5C	Well Diameter: 2 3 4 6 8 _____
Total Well Depth (TD): 99.11	Depth to Water (DTW): 27.78 33.91 65.2
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]: 46.93	

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

42.4 (Gals.) X 3 = 127.2 Gals. 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1350	71.1	7.27	1217	150	42.4	clear
WELL DEWATERED @ 606 gallons.						
1510	69.8	7.34	1236	96.7	—	

Did well dewater? Yes No Gallons actually evacuated: **606.0**

Sampling Date: **5/7/09** Sampling Time: **1510** Depth to Water: **46.93**

Sample I.D.: **MW-5C** Laboratory: **CalScience** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COE**

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

SHEIL WELL MONITORING DATA SHEET

BTS #: 090507-RM2	Site: 8779 San Ramon Rd. Dublin
Sampler: RM	Date: 5/7/09
Well I.D.: MW-7	Well Diameter: 2 3 4 6 8 _____
Total Well Depth (TD): 28.50	Depth to Water (DTW): 27.96
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]:	

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: _____
--	--	---

_____ (Gals.) X _____ = _____ 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
						<i>Insubmersible w/cho to Purge + Sample</i>

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date:	Sampling Time: Depth to Water:
Sample I.D.:	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 WELL MONITORING DATA SHEET

BTS #: 090507-RM2	Site: 8779 San Ramon Rd. Dublin
Sampler: RM	Date: 5/7/09
Well I.D.: MW-8	Well Diameter: 2 3 4 6 8 <u> </u>
Total Well Depth (TD): 28.71	Depth to Water (DTW): 24.20 4.5
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]: 25.10	

Purge Method: <u>Bailer</u>	Waters: <u>Peristaltic</u>	Sampling Method: <u>Bailer</u>
<u>Disposable Bailer</u>	<u>Extraction Pump</u>	<u>Disposable Bailer</u>
<u>Positive Air Displacement</u>	<u>Other _____</u>	<u>Extraction Port</u>
<u>Electric Submersible</u>		<u>Dedicated Tubing</u>
		Other: _____

3.0 (Gals.) X	3 =	9.0 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
1309	75.2	6.57	831.2	163	3.0	clear
1310	74.9	6.50	826.5	111	6.0	" "
1311	74.7	6.51	825.7	102	9.0	" "

Did well dewater? Yes No Gallons actually evacuated: **9.0**

Sampling Date: **5/7/09** Sampling Time: **1320** Depth to Water: **25.07**

Sample I.D.: **MW-8** Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COE**

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

SHEIL WELL MONITORING DATA SHEET

BTS #: 090507-RMZ	Site: 8999 San Ramon Rd. Dublin
Sampler: RM	Date: 5/7/09
Well I.D.: MW-8B	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 68.32	Depth to Water (DTW): 25.92 42
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]: 34.4	

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

$27.6 \text{ (Gals.)} \times 3 = 82.8 \text{ Gals.}$	<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
1243	72.5	6.84	911.4	162	27.6	clear
1248	71.6	6.80	919.2	98.6	55.2	" "
1253	71.2	6.80	938.1	143	82.8	" "
						DTW = 25.64

Did well dewater? Yes No Gallons actually evacuated: **82.8**

Sampling Date: **5/7/09** Sampling Time: **1330** Depth to Water: **31.61**

Sample I.D.: **MW-8B** Laboratory: **CalScience** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COE**

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

SHELF WELL MONITORING DATA SHEET

BTS #: 090507-RMZ	Site: 8999 San Ramon Rd. Dublin
Sampler: R.M	Date: 5/7/09
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 28.40	Depth to Water (DTW): 28.41
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]:	

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: _____
--	--	---

_____ (Gals.) X _____	= _____ 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
						Submersible Water to purge & sample

Did well dewater? Yes No	Gallons actually evacuated: _____
Sampling Date: _____	Sampling Time: _____
Sample I.D.: _____	Depth to Water: _____
Laboratory: (CalScience) Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COE	
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

SHEIL WELL MONITORING DATA SHEET

BTS #: 090507-RMZ	Site: 8999 San Ramon Rd. Dublin
Sampler: R.M	Date: 5/7/09
Well I.D.: MW-11	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 28.52	Depth to Water (DTW): DRY
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]:	

Purge Method: Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible

Water: Peristaltic
 Extraction Pump
 Other _____

Sampling Method: Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing

Other: _____

_____ (Gals.) X _____ = _____ 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
	WELL DRY					

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: _____ Sampling Time: _____ Depth to Water: _____

Sample I.D.: _____ Laboratory: **CalScience** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COL**

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

SHEI WELL MONITORING DATA SHEET

BTS #: 090507-RM2	Site: 8999 San Ramon Rd. Dublin
Sampler: R.M	Date: 5/7/09
Well I.D.: MW-11B	Well Diameter: 2 3 (4) 6 8 _____
Total Well Depth (TD): 38.11	Depth to Water (DTW): 31.21
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]: 32.59	

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: _____
---	--	--

4.5 (Gals.) X	3 Specified Volumes =	13.5 Gals. 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
1152	69.8	7.02	665.6	40.4	4.5	<i>clear</i>
1153	69.3	6.73	683.1	193	9.0	" "
1154	69.2	6.74	677.3	290	13.5	" "

Did well dewater? Yes **(No)** Gallons actually evacuated: **13.5**

Sampling Date: **5/7/09** Sampling Time: **1200** Depth to Water: **31.99**

Sample I.D.: **MW-11B** Laboratory: **(CalScience)** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COE**

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

SHEI WELL MONITORING DATA SHEET

BTS #: 090507-RMZ	Site: 8999 San Ramon Rd. Dublin
Sampler: RM	Date: 5/7/09
Well I.D.: MW-12	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): 38.61	Depth to Water (DTW): 30.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.37	

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: _____

5.1 (Gals.) X 3 = 15.3 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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
12:16	70.4	6.82	661.3	156	5.1	
12:17	70.2	6.70	699.5	>1000	10.2	cloudy
12:18	70.1	6.69	685.2	>1000	15.3	" "

Did well dewater? Yes No Gallons actually evacuated: 15.3

Sampling Date: 5/7/09 Sampling Time: 1225 Depth to Water: 32.29

Sample I.D.: MW-12 Laboratory: CalScience Columbia Other _____

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

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 WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address 8999 San Ramon Rd. Dublin, CA Date 2-19-09
 Job Number 090219-ECL Technician EC 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										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	
					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)
MW-11		X	X																
	Notes: <u>changed to 8" morrison no tag</u>																		
	Well box type / size: <u>Christy box</u> Materials used: <u>4 bags Conc. wellbox, 2 bags lock</u>																		
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 B
BLAINE TECH SERVICES, INC.
FIELD PROCEDURES

BLAINE

TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

May 28, 2009

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

Second Quarter 2009 Groundwater Monitoring at
Shell-branded Service Station
8999 San Ramon Road
Dublin, CA

Monitoring performed on May 7, 2009

Groundwater Monitoring Report **090507-RM-2**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

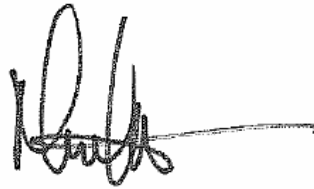
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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/jb

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 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

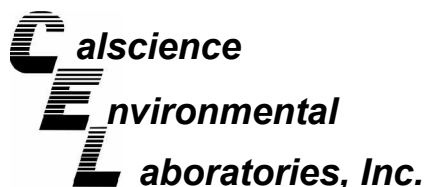
All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

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

APPENDIX C

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION



May 22, 2009

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

Subject: **CalScience Work Order No.: 09-05-0852**
Client Reference: 8999 San Ramon Road, Dublin, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/9/2009 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: 05/09/09
Work Order No: 09-05-0852
Preparation: EPA 3510C
Method: EPA 8015B

Project: 8999 San Ramon Road, Dublin, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5B	09-05-0852-1-D	05/07/09 14:30	Aqueous	GC 48	05/14/09	05/17/09 12:56	090514B12

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	127	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5C	09-05-0852-2-D	05/07/09 15:10	Aqueous	GC 48	05/14/09	05/17/09 13:12	090514B12

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	114	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	09-05-0852-3-D	05/07/09 13:20	Aqueous	GC 48	05/14/09	05/17/09 13:27	090514B12

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	127	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8B	09-05-0852-4-D	05/07/09 13:30	Aqueous	GC 48	05/14/09	05/17/09 13:43	090514B12

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	139	68-140			

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

Analytical Report



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

Date Received: 05/09/09
Work Order No: 09-05-0852
Preparation: EPA 3510C
Method: EPA 8015B

Project: 8999 San Ramon Road, Dublin, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-11B	09-05-0852-5-D	05/07/09 12:00	Aqueous	GC 48	05/14/09	05/17/09 14:16	090514B12

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	133	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-12	09-05-0852-6-D	05/07/09 12:25	Aqueous	GC 48	05/14/09	05/17/09 14:32	090514B12

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	113	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-211-1,148	N/A	Aqueous	GC 48	05/14/09	05/17/09 10:33	090514B12

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	112	68-140			

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

Analytical Report



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

Date Received: 05/09/09
Work Order No: 09-05-0852
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 8999 San Ramon Road, Dublin, 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-5B	09-05-0852-1-A	05/07/09 14:30	Aqueous	GC/MS R	05/20/09	05/20/09 20:10	090520L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
Ethylbenzene	ND	5.0	5		Diisopropyl Ether (DIPE)	ND	10	5	
Toluene	ND	5.0	5		Ethyl-t-Butyl Ether (ETBE)	ND	10	5	
Xylenes (total)	ND	5.0	5		Tert-Amyl-Methyl Ether (TAME)	ND	10	5	
Methyl-t-Butyl Ether (MTBE)	780	5.0	5		TPPH	680	250	5	
<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	101	74-140			1,2-Dichloroethane-d4	123	74-146		
Toluene-d8	102	88-112			Toluene-d8-TPPH	98	88-112		
1,4-Bromofluorobenzene	101	74-110							

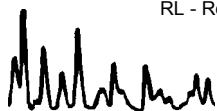
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5C	09-05-0852-2-A	05/07/09 15:10	Aqueous	GC/MS R	05/20/09	05/20/09 20:41	090520L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	2		Tert-Butyl Alcohol (TBA)	ND	20	2	
Ethylbenzene	ND	2.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
Toluene	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
Xylenes (total)	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
Methyl-t-Butyl Ether (MTBE)	160	2.0	2		TPPH	150	100	2	
<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	100	74-140			1,2-Dichloroethane-d4	123	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	102	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	09-05-0852-3-A	05/07/09 13:20	Aqueous	GC/MS R	05/20/09	05/20/09 16:02	090520L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	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	99	74-140			1,2-Dichloroethane-d4	119	74-146		
Toluene-d8	102	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	99	74-110							

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



Analytical Report



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

Date Received: 05/09/09
Work Order No: 09-05-0852
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 8999 San Ramon Road, Dublin, 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-8B	09-05-0852-4-A	05/07/09 13:30	Aqueous	GC/MS R	05/20/09	05/20/09 21:12	090520L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	6.4	1.0	1		TPPH	ND	50	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	74-140			1,2-Dichloroethane-d4	121	74-146		
Toluene-d8	104	88-112			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	102	74-110							

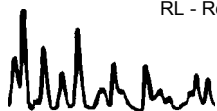
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-11B	09-05-0852-5-A	05/07/09 12:00	Aqueous	GC/MS R	05/20/09	05/20/09 21:42	090520L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	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	99	74-140			1,2-Dichloroethane-d4	122	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	99	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-12	09-05-0852-6-A	05/07/09 12:25	Aqueous	GC/MS R	05/20/09	05/21/09 03:54	090520L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	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	99	74-140			1,2-Dichloroethane-d4	123	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	100	74-110							

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



Analytical Report



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

Date Received: 05/09/09
 Work Order No: 09-05-0852
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

Project: 8999 San Ramon Road, Dublin, CA

Page 3 of 3

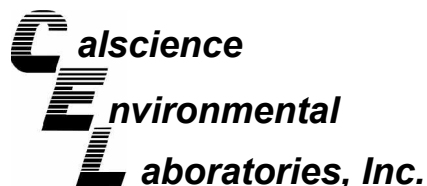
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,801	N/A	Aqueous	GC/MS R	05/20/09	05/20/09 14:29	090520L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	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	99	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	103	88-112			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	98	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,806	N/A	Aqueous	GC/MS R	05/20/09	05/21/09 03:23	090520L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	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	74-140			1,2-Dichloroethane-d4	119	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	100	74-110							

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

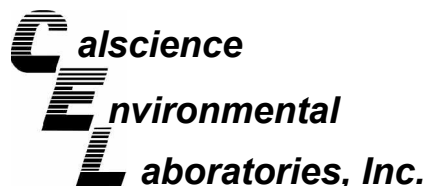
Date Received: 05/09/09
Work Order No: 09-05-0852
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-8	Aqueous	GC/MS R	05/20/09	05/20/09	090520S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	90	88-118	2	0-7	
Carbon Tetrachloride	83	82	67-145	1	0-11	
Chlorobenzene	95	93	88-118	2	0-7	
1,2-Dibromoethane	108	107	70-130	1	0-30	
1,2-Dichlorobenzene	98	100	86-116	2	0-8	
1,1-Dichloroethene	99	98	70-130	1	0-25	
Ethylbenzene	96	94	70-130	2	0-30	
Toluene	93	93	87-123	0	0-8	
Trichloroethene	92	91	79-127	1	0-10	
Vinyl Chloride	99	98	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	107	105	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	93	95	36-168	3	0-45	
Diisopropyl Ether (DIPE)	100	99	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	107	98	72-126	9	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	101	72-126	1	0-12	
Ethanol	106	110	53-149	4	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

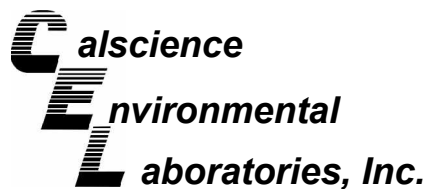
Date Received: 05/09/09
Work Order No: 09-05-0852
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-05-1242-2	Aqueous	GC/MS R	05/20/09	05/21/09	090520S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	95	88-118	2	0-7	
Carbon Tetrachloride	77	81	67-145	5	0-11	
Chlorobenzene	93	96	88-118	3	0-7	
1,2-Dibromoethane	106	107	70-130	1	0-30	
1,2-Dichlorobenzene	94	97	86-116	3	0-8	
1,1-Dichloroethene	106	105	70-130	1	0-25	
Ethylbenzene	96	98	70-130	2	0-30	
Toluene	95	97	87-123	2	0-8	
Trichloroethene	93	92	79-127	1	0-10	
Vinyl Chloride	106	103	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	104	102	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	31	97	36-168	104	0-45	3,4
Diisopropyl Ether (DIPE)	108	108	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	106	109	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	102	72-126	2	0-12	
Ethanol	104	106	53-149	2	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

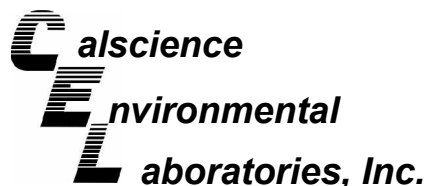
Date Received: N/A
Work Order No: 09-05-0852
Preparation: EPA 3510C
Method: EPA 8015B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,148	Aqueous	GC 48	05/14/09	05/17/09	090514B12

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Diesel Range Organics	94	86	75-117	8	0-13	

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: 09-05-0852
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-1,801	Aqueous	GC/MS R	05/20/09	05/20/09	090520L01		
<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	93	100	84-120	78-126	8	0-8	
Carbon Tetrachloride	88	91	63-147	49-161	3	0-10	
Chlorobenzene	96	105	89-119	84-124	10	0-7	X
1,2-Dibromoethane	106	118	80-120	73-127	11	0-20	
1,2-Dichlorobenzene	98	110	89-119	84-124	11	0-9	X
1,1-Dichloroethene	103	110	77-125	69-133	7	0-16	
Ethylbenzene	98	106	80-120	73-127	8	0-20	
Toluene	100	107	83-125	76-132	7	0-9	
Trichloroethene	99	107	89-119	84-124	8	0-8	
Vinyl Chloride	104	102	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	98	111	82-118	76-124	13	0-13	
Tert-Butyl Alcohol (TBA)	88	98	46-154	28-172	11	0-32	
Diisopropyl Ether (DIPE)	97	107	81-123	74-130	10	0-11	
Ethyl-t-Butyl Ether (ETBE)	103	106	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	108	76-124	68-132	11	0-10	X
Ethanol	105	116	60-138	47-151	10	0-32	
TPPH	93	99	65-135	53-147	7	0-30	

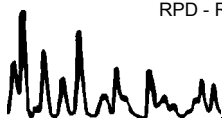
Total number of LCS compounds : 17

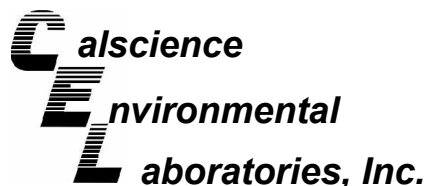
Total number of ME compounds : 0

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: 09-05-0852
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-1,806	Aqueous	GC/MS R	05/20/09	05/21/09	090520L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	95	100	84-120	78-126	4	0-8	
Carbon Tetrachloride	85	92	63-147	49-161	8	0-10	
Chlorobenzene	96	100	89-119	84-124	4	0-7	
1,2-Dibromoethane	101	107	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	97	100	89-119	84-124	3	0-9	
1,1-Dichloroethene	108	117	77-125	69-133	8	0-16	
Ethylbenzene	100	106	80-120	73-127	6	0-20	
Toluene	98	102	83-125	76-132	4	0-9	
Trichloroethene	101	110	89-119	84-124	8	0-8	
Vinyl Chloride	112	114	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	100	46	82-118	76-124	74	0-13	X
Tert-Butyl Alcohol (TBA)	85	90	46-154	28-172	6	0-32	
Diisopropyl Ether (DIPE)	101	110	81-123	74-130	9	0-11	
Ethyl-t-Butyl Ether (ETBE)	96	109	74-122	66-130	12	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	99	76-124	68-132	5	0-10	
Ethanol	100	106	60-138	47-151	6	0-32	
TPPH	102	108	65-135	53-147	6	0-30	

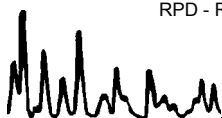
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

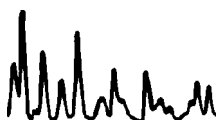
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-05-0852

<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)



Shell Oil Products Chain Of Custody Record

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

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 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 7 5 6 5 9 9 5**

DATE: **5/7/09**

PO # _____ SAP # _____

CHECK IF NO INCIDENT # APPLIES

PAGE: **1** of **1**

SAMPLING COMPANY: **Blaine Tech Services**

LOG CODE: **BTSS**

ADDRESS: **1680 Rogers Ave, San Jose, CA 95112**

PROJECT CONTACT (Hardcopy or PDF Report to): **Michael Ninokata**

TELEPHONE: **(408)573-0555** FAX: **(408)573-7771** E-MAIL: **mninokata@blainetech.com**

SITE ADDRESS: Street and City: **8999 San Ramon Road, Dublin**

State: **CA** GLOBAL ID NO: **T0600159797**

EDF DELIVERABLE TO (Name, Company, Office Location): **Angela Pico, Delta, San Jose Office** PHONE NO: **408.826.1862** E-MAIL: **apico@deltaenv.com**

SAMPLER NAME(S) (Print): **R. McCarthy**

CONSULTANT PROJECT NO: **090501-RM2** LAB USE ONLY: **09-05-0852**

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:

REQUESTED ANALYSIS

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

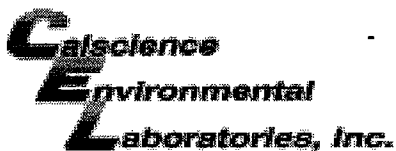
STATE REIMBURSEMENT RATE APPLIES

EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

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 (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)			Methanol (8015M)		
1	MW-5B	5/7/09	1430	W	3				2		5	X	X	X	X													Run TPH-D w/silica gel clean-up
2	MW-5C		1510									X	X	X	X													"
3	MW-8		1320									X	X	X	X													"
4	MW-8B		1330									X	X	X	X													"
5	MW-11B		1200									X	X	X	X													"
6	MW-12		1225									X	X	X	X													"

Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i> (Sample Custodian)	Date: 5/7/09	Time: 1720
Relinquished by (Signature): <i>[Signature]</i> (Sample Custodian)	Received by (Signature): <i>[Signature]</i> CEC	Date: 5-8-09	Time: 1230
Relinquished by (Signature): <i>[Signature]</i> 650 511829078	Received by (Signature): <i>[Signature]</i> CEC	Date: 5-9-09	Time: 9:00



WORK ORDER #: 09-05-0852

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS

DATE: 5/19/09

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: WSC

CUSTODY SEALS INTACT:

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

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

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} 100PB 100PBna₂ _____ _____ _____

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

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) **Reviewed by:** RN

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