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Alameda County
Environmental Health

May 28, 2009

Re: **Quarterly Monitoring Report – First Quarter 2009**
Former Shell-branded Service Station
8999 San Ramon Road
Dublin, California

Dear Mr. 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

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

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

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



Dear Mr. Wickham:

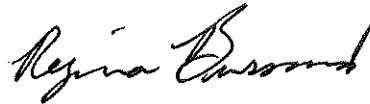
On behalf of Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared this *First Quarter 2009 Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were conducted by Blaine Tech Services, Inc. (Blaine Tech) under contract to Shell and included 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 evaluation of the data provided to us.

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

Mr. Jerry Wickham
Alameda County Health Care Services Agency
May 29, 2009
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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



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

Regina Bussard, P.G.
Project Manager



Attachment: First 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: ACHCSA / Jerry Wickham
Other Agencies to Receive Copies: Zone 7 Water Agency

WORK PERFORMED THIS QUARTER (FIRST-2009):

1. Quarterly groundwater monitoring and sampling. Submitted quarterly report.
2. Prepared a work plan to reinstall the onsite groundwater monitoring wells

WORK PROPOSED FOR NEXT QUARTER (SECOND-2009):

1. Quarterly groundwater monitoring and sampling. Submit quarterly report.
2. Submit the work plan to reinstall the onsite groundwater monitoring wells.

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): Yes No
Cumulative SPH Recovered to Date: NA
SPH Recovered This Quarter: NA
Groundwater Recovered This Quarter: 200.6 gallons were recovered during sampling on February 5, 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 bg plus CPT data to 80 feet.
Current Remediation Techniques: None
Permits for Discharge: None
Approximate Depth to Groundwater: 28.54 feet to 39.70 feet below top of well casing
Groundwater Gradient: Undeterminable. Insufficient data points.
Current Agency Correspondence: NA
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:	Wells MW-5, MW-7, and MW-11 were dry. Wells MW-8 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 Remodeling 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

Appendices:

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

Appendix B – Blaine Tech Services, Inc. Field Procedures

Appendix C – Certified Laboratory Report with 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
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	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	417.24	NA	NA
MW-3	1/29/2007	Well dry		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	417.24	NA	NA
MW-3	11/30/2007	Well dry		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	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	420.52	NA	NA
MW-4	1/29/2007	<50 c	<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	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-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-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
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

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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-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
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

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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	414.54	28.62	385.92
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-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
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

**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)
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-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
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

**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)
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-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

**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)
---------	------	----------------	----------------	-------------	-------------	-------------	-------------	------------------------	----------------	----------------	----------------	---------------	--------------	----------------------------	--------------------------

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).

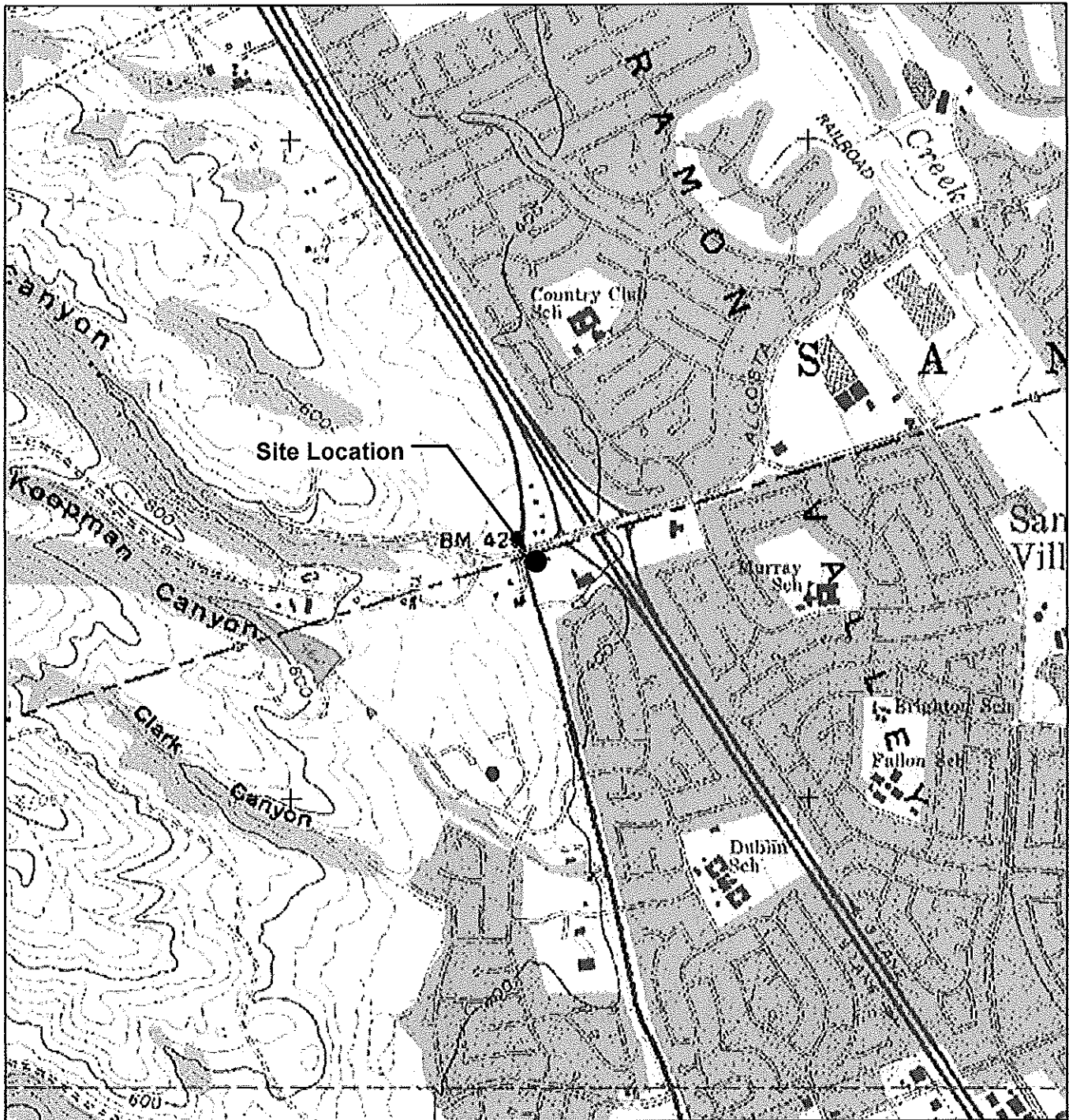
g = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

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

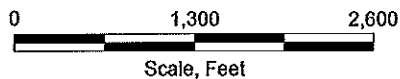


FIGURE 1
SITE LOCATION MAP

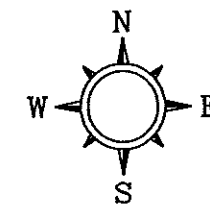
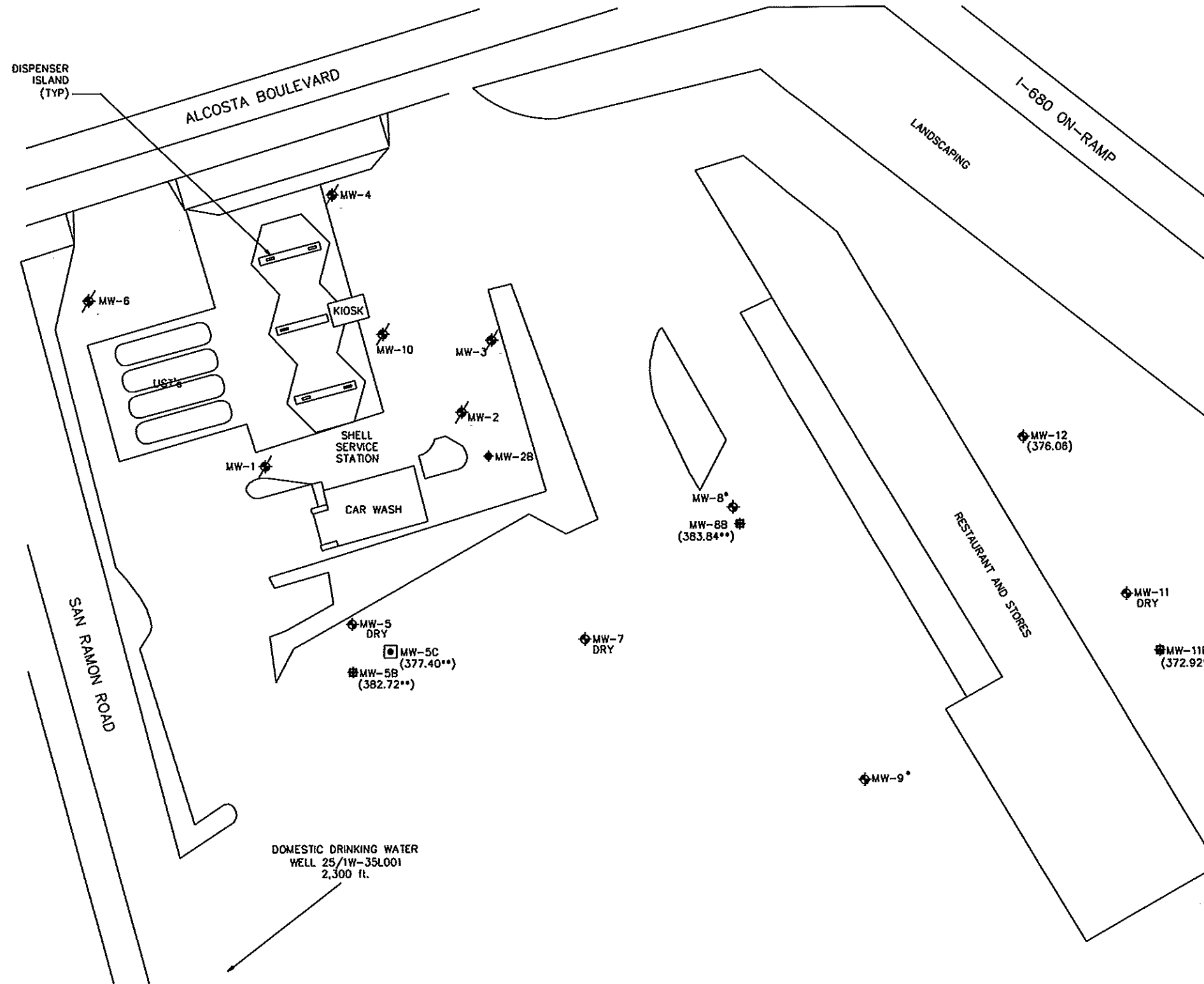
SHELL-BRANDED SERVICE STATION
 8999 San Ramon Road
 Dublin, California

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. 3/5/2009

0 20 40
 SCALE IN FEET



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

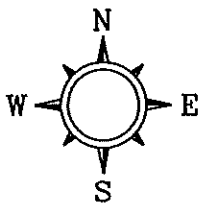
GROUNDWATER FLOW AND DIRECTION UNDETERMINABLE. INSUFFICIENT DATA POINTS.



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

FIGURE 2
GROUNDWATER ELEVATION
MAP

2/5/2009
 8999 SAN RAMON ROAD
 DUBLIN, CALIFORNIA



- 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

MW-8B			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
ND<50	ND<0.50	5.4	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

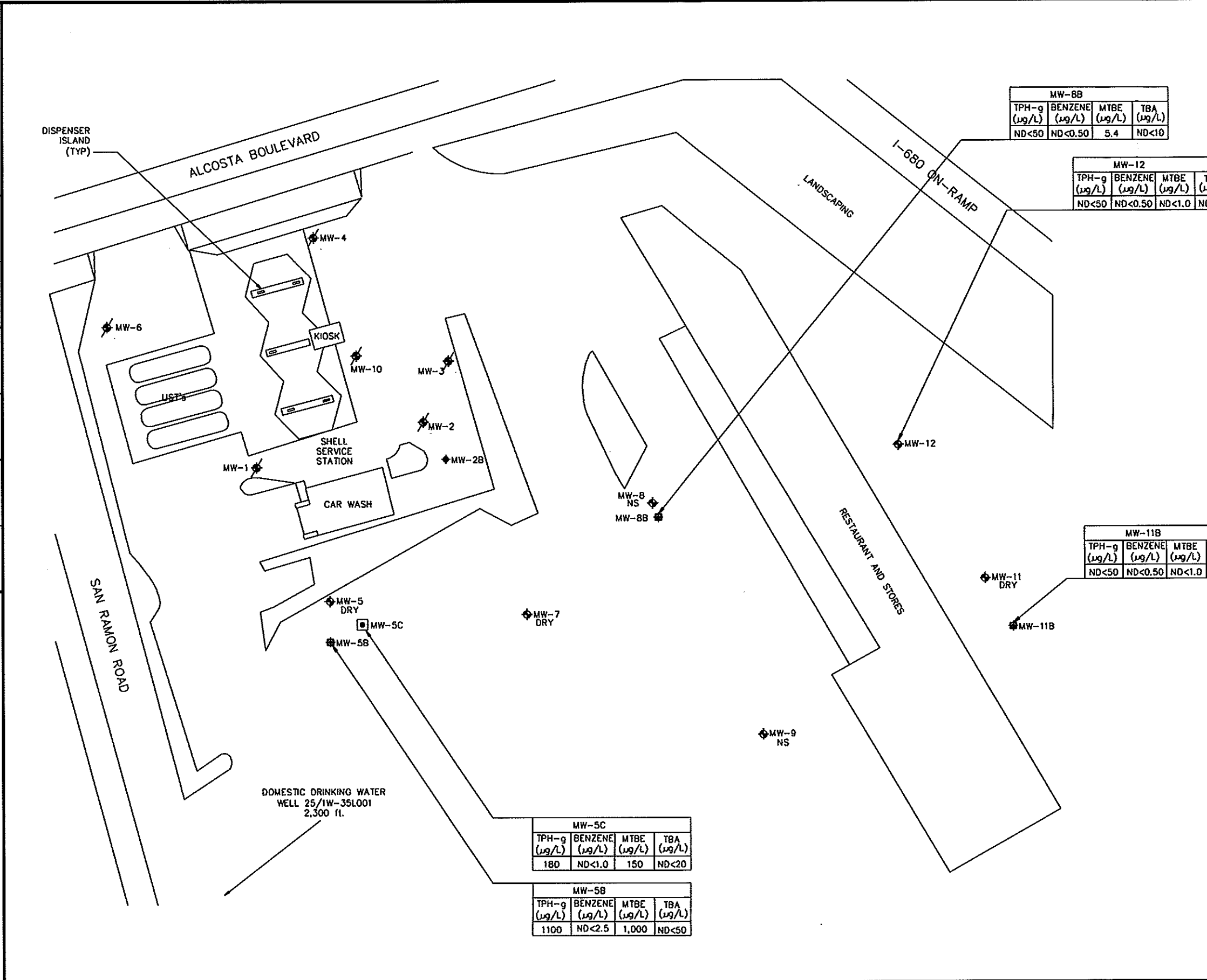
MW-11B			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
ND<50	ND<0.50	ND<1.0	ND<10

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

MW-5B			
TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
1100	ND<2.5	1,000	ND<50

PROJECT NUMBER SCAB8999S1A
 APPROVED BY
 CHECKED BY
 DRAWN BY J.F.F. 3/5/2009

0 20 40
 SCALE IN FEET



DELTA CONSULTANTS

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

**FIGURE 3
 HYDROCARBON DISTRIBUTION IN
 GROUNDWATER MAP
 2/5/2009**

8999 SAN RAMON ROAD
 DUBLIN, CALIFORNIA

APPENDIX A

BLAINE TECH SERVICES, INC.

FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 San Ramon Rd, Dublin Date 2/5/09

Job Number 090205-RM1 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	X	X						
MW-5B	X	X							
MW-5C	X	X							
MW-7	X	X	X						
MW-8	X	X	X						
MW-8B	X	X							
MW-9	X	X	X						
MW-11	X	X	X						
MW-11R	X	X							
MW-12	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 # 090205-RM1 Date 2/5/09 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	0803	4					DRY	28.41		
MW-5B	0806	4					34.94	66.71		
MW-5C	0809	4					39.70	98.61		
MW-7	0815	4					DRY	28.54		
MW-8	0819	4					28.62	28.64		
MW-8B	0824	4					30.97	68.70		
MW-9	0827	4					28.54	28.68		
MW-11	0837	2					DRY	28.32		
MW-11B	0833	4					36.11 36.73	37.66		
MW-12	0843	4					35.12	38.47		

SHELL WELL MONITORING DATA SHEET

BTS #: 090205-RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: RM	Date: 2/5/09
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 28.41	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:
--	---	---

$(\text{Gals.}) \times \frac{\text{Specified Volumes}}{\text{Calculated Volume}} = \text{Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	DRY WELL					

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:	
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 #: 090205- RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: R.M.	Date: 2/5/09
Well I.D.: MW-1100 ^{RM} MW-58	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 66.71	Depth to Water (DTW): 34.94 31.71
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]: 41.29	

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

20.8 (Gals.) X 3 = 62.4 Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1053	65.0	7.23	1213	73.5	20.8	very clear
1056	66.5	7.08	1212	72.6	41.6	" "
1059	66.6	7.05	1219	275	62.4	slightly cloudy
			DTW- 45.21			

Did well dewater? Yes No Gallons actually evacuated: 62.4

Sampling Date: 2/5/09 Sampling Time: 1130 Depth to Water: 36.98

Sample I.D.: MW-58 Laboratory: CalScience Columbia Other _____

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

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 #: 090205-RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: R.M.	Date: 2/5/09
Well I.D.: MW-50	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 98.61	Depth to Water (DTW): 39.70 \$8.9
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]: 51.48	

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: _____
---	---	--

38.3 (Gals.) X 3 = 114.9 Gals. 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1038	65.9	7.29	1233	186	38.3	very clear
WELL DEWATERED @				58.0	yellow 76.6	
1158	66.3	7.13	1224	114	—	

Did well dewater? Yes No Gallons actually evacuated: 58

Sampling Date: 2/5/09 Sampling Time: 1200 Depth to Water: 51.45

Sample I.D.: MW-50 Laboratory: CalScience Columbia Other: _____

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

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 #: 090205-RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: R.M.	Date: 2/5/09
Well I.D.: MW-7	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 28.34	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	<table border="1" style="width: 100%; border-collapse: collapse;"> <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
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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: _____
Sample I.D.: _____	Depth to Water: _____
Laboratory: CalScience Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____	
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 #: 090205-EM1	Site: 8999 San Ramon Rd. Dublin
Sampler: RM	Date: 2/5/09
Well I.D.: MW-8	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 28.64	Depth to Water (DTW): 28.62
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	Watera Peristaltic Extraction Pump Other:	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other:
--	--	---

(Gals.) X	=	Gals.
I Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						Insufficient water to purge + sample

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:	
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 #: 090205-RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: R.M.	Date: 2/5/09
Well I.D.: MW-8B	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 68.20	Depth to Water (DTW): 30.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>38.47</u>	

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

$24.2 \text{ (Gals.)} \times 3 = 72.6 \text{ Gals.}$ <p>I Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <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
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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
1011	64.5	7.10	953.3	217	24.2	very clear
1015	66.1	7.02	975.5	456	48.4	clear
1019	66.7	7.05	999.9	229	72.6	very clear
			DTW-58.38			

Did well dewater? Yes No Gallons actually evacuated: 72.6

Sampling Date: 2/5/09 Sampling Time: 1115 Depth to Water: 33.46

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

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

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 #: 090205-RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: RM	Date: 2/5/09
Well I.D.: MW-9	Well Diameter: 2 3 ④ 6 8
Total Well Depth (TD): 28.68	Depth to Water (DTW): 28.54
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	Watera Peristaltic Extraction Pump Other:	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other:
--	---	---

_____ (Gals.) X 1 Case Volume	=	_____ Gals. Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <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
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1"	0.04	4"	0.65																
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3"	0.37	Other	radius ² * 0.163																

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
Insufficient water to purge + sample						

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:	
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

SHEL WELL MONITORING DATA SHEET

BTS #: 090205- RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: RM	Date: 2/5/09
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 28.32	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	Waterra Peristaltic Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	---	---

_____ (Gals.) X _____ = _____ Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <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
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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
	DRY	Well				

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:	
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 #: 090205-RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: RM	Date: 2/5/09
Well I.D.: MW-11B	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 87.66	Depth to Water (DTW): 36.11
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]: 36.42	

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

$1 \text{ (Gals.)} \times 3 = 3 \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <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
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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
0908	64.1	7.67	717.6	7000	1 gallon	murky
WELL DEWATERED @ 1 gallon						
0932	64.1	7.42	703.2	71000	—	

Did well dewater? Yes No Gallons actually evacuated: 1

Sampling Date: 2/5/09 Sampling Time: 0935 Depth to Water: 36.33

Sample I.D.: MW-11B 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

SHEL WELL MONITORING DATA SHEET

BTS #: 090205-RM1	Site: 8999 San Ramon Rd. Dublin
Sampler: R.M.	Date: 2/5/09
Well I.D.: MW-12	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 38.47	Depth to Water (DTW): 35.12
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]: 35.79	

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

$2.2 \text{ (Gals.)} \times 3 = 6.6 \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
0942	63.7	7.33	665.7	71000	2.2	cloudy
0943	65.4	7.26	676.6	71000	4.4	
0946	66.3	7.19	674.1	71000	6.6	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 6.6	
Sampling Date: 2/5/09	Sampling Time: 0950	Depth to Water: 35.17
Sample I.D.: MW-12	Laboratory: <u>CalScience</u> Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: <u>SEE COC</u>		
EB I.D. (if applicable): @ _____ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:		
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L	
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV	

APPENDIX B

BLAINE TECH SERVICES, INC.

FIELD PROCEDURES

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS

SINCE 1985

February 27, 2009

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

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

Monitoring performed on February 5, 2009

Groundwater Monitoring Report **090205-RM-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.

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

SEATTLE

1680 ROGERS AVENUE SAN JOSE, CA (408) 573-0555 FAX (408) 573-7771 LIC. 746684 www.blainetech.com

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

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 ballers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling baller into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the baller 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

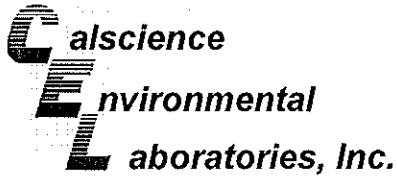
All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

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

APPENDIX C

CERTIFIED LABORATORY REPORT WITH CHAIN-OF-CUSTODY DOCUMENTATION



February 23, 2009

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

Subject: **Calscience Work Order No.: 09-02-0790**
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 2/7/2009 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.

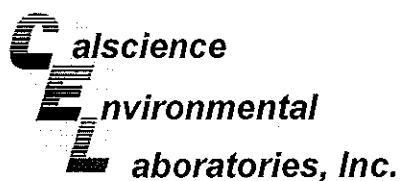
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in cursive script that reads "Philip Samelle for".

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

A handwritten signature in cursive script, likely belonging to the undersigned mentioned in the text.



Analytical Report



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

Date Received: 02/07/09
Work Order No: 09-02-0790
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	09-02-0790-1-D	02/05/09 11:30	Aqueous	GC 47	02/09/09	02/10/09 20:03	090209B10

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5C	09-02-0790-2-D	02/05/09 12:00	Aqueous	GC 47	02/09/09	02/10/09 20:20	090209B10

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8B	09-02-0790-3-D	02/05/09 11:15	Aqueous	GC 47	02/09/09	02/10/09 20:37	090209B10

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	86	68-140	

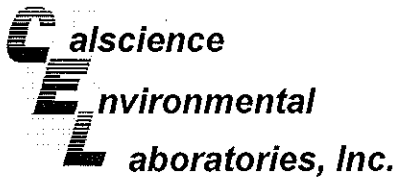
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-11B	09-02-0790-4-D	02/05/09 09:35	Aqueous	GC 47	02/09/09	02/10/09 20:55	090209B10

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	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: 02/07/09
 Work Order No: 09-02-0790
 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-12	09-02-0790-5-D	02/05/09 09:50	Aqueous	GC 47	02/09/09	02/10/09 21:13	090209B10

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	68-140	

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-211-949	N/A	Aqueous	GC 47	02/09/09	02/10/09 19:12	090209B10

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	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: 02/07/09
 Work Order No: 09-02-0790
 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	09-02-0790-1-B	02/05/09 11:30	Aqueous	GC/MS RR	02/17/09	02/18/09 06:08	090217L02

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)	1000	10	10		TPPH	1100	250	5	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	74-140			1,2-Dichloroethane-d4	100	74-146		
Toluene-d8	98	88-112			Toluene-d8-TPPH	94	88-112		
1,4-Bromofluorobenzene	90	74-110							

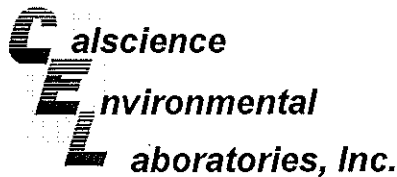
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5C	09-02-0790-2-C	02/05/09 12:00	Aqueous	GC/MS RR	02/18/09	02/18/09 23:26	090218L01

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)	150	2.0	2		TPPH	180	100	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	74-140			1,2-Dichloroethane-d4	102	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	93	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8B	09-02-0790-3-A	02/05/09 11:15	Aqueous	GC/MS OO	02/16/09	02/16/09 16:53	090216L01

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)	5.4	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	101	88-112			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	89	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: 02/07/09
Work Order No: 09-02-0790
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-11B	09-02-0790-4-B	02/05/09 09:35	Aqueous	GC/MS RR	02/17/09	02/18/09 06:57	090217L02

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	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	112	74-140			1,2-Dichloroethane-d4	109	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	87	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-12	09-02-0790-5-B	02/05/09 09:50	Aqueous	GC/MS RR	02/17/09	02/18/09 07:21	090217L02

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	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	113	74-140			1,2-Dichloroethane-d4	107	74-146		
Toluene-d8	101	88-112			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	91	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,129	N/A	Aqueous	GC/MS OO	02/16/09	02/16/09 15:54	090216L01

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	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	74-140			1,2-Dichloroethane-d4	115	74-146		
Toluene-d8	103	88-112			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	91	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: 02/07/09
Work Order No: 09-02-0790
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 8999 San Ramon Road, Dublin, CA

Page 3 of 3

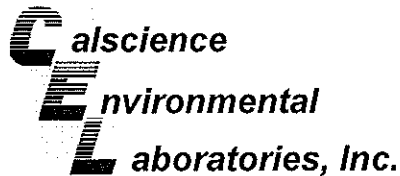
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,139	N/A	Aqueous	GC/MS RR	02/17/09	02/18/09 04:07	090217L02

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	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	74-140			1,2-Dichloroethane-d4	103	74-146		
Toluene-d8	100	88-112			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	91	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,144	N/A	Aqueous	GC/MS RR	02/18/09	02/18/09 15:45	090218L01

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	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	74-140			1,2-Dichloroethane-d4	104	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	93	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

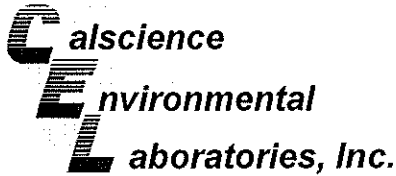
Date Received: 02/07/09
Work Order No: 09-02-0790
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-8B	Aqueous	GC/MS OO	02/16/09	02/16/09	090216S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	97	88-118	6	0-7	
Carbon Tetrachloride	95	93	67-145	2	0-11	
Chlorobenzene	99	94	88-118	6	0-7	
1,2-Dibromoethane	104	95	70-130	9	0-30	
1,2-Dichlorobenzene	91	88	86-116	4	0-8	
1,1-Dichloroethene	97	91	70-130	7	0-25	
Ethylbenzene	104	98	70-130	6	0-30	
Toluene	104	97	87-123	6	0-8	
Trichloroethene	104	100	79-127	4	0-10	
Vinyl Chloride	77	80	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	113	106	71-131	6	0-13	
Tert-Butyl Alcohol (TBA)	105	104	36-168	1	0-45	
Diisopropyl Ether (DIPE)	121	115	81-123	6	0-9	
Ethyl-t-Butyl Ether (ETBE)	114	106	72-126	7	0-12	
Tert-Amyl-Methyl Ether (TAME)	108	102	72-126	6	0-12	
Ethanol	124	121	53-149	3	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

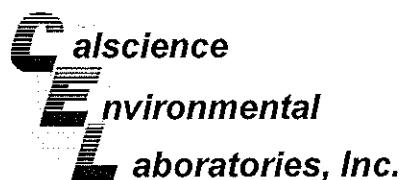
Date Received: 02/07/09
Work Order No: 09-02-0790
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-02-0943-1	Aqueous	GC/MS RR	02/17/09	02/18/09	090217S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	92	88-118	2	0-7	
Carbon Tetrachloride	102	98	67-145	4	0-11	
Chlorobenzene	92	91	88-118	1	0-7	
1,2-Dibromoethane	99	97	70-130	2	0-30	
1,2-Dichlorobenzene	91	91	86-116	1	0-8	
1,1-Dichloroethene	101	96	70-130	5	0-25	
Ethylbenzene	90	89	70-130	1	0-30	
Toluene	92	92	87-123	1	0-8	
Trichloroethene	90	90	79-127	0	0-10	
Vinyl Chloride	86	81	69-129	6	0-13	
Methyl-t-Butyl Ether (MTBE)	88	85	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	98	96	36-168	2	0-45	
Diisopropyl Ether (DIPE)	114	107	81-123	6	0-9	
Ethyl-t-Butyl Ether (ETBE)	107	105	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	93	72-126	1	0-12	
Ethanol	115	107	53-149	8	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

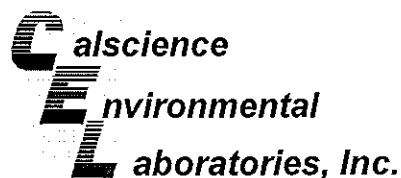
Date Received: 02/07/09
Work Order No: 09-02-0790
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-02-0865-3	Aqueous	GC/MS RR	02/18/09	02/18/09	090218S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	95	88-118	1	0-7	
Carbon Tetrachloride	107	106	67-145	1	0-11	
Chlorobenzene	92	91	88-118	0	0-7	
1,2-Dibromoethane	97	97	70-130	0	0-30	
1,2-Dichlorobenzene	92	90	86-116	1	0-8	
1,1-Dichloroethene	104	103	70-130	0	0-25	
Ethylbenzene	92	92	70-130	0	0-30	
Toluene	93	95	87-123	2	0-8	
Trichloroethene	93	94	79-127	1	0-10	
Vinyl Chloride	93	93	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	87	88	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	87	87	36-168	0	0-45	
Diisopropyl Ether (DIPE)	118	116	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	108	109	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	93	95	72-126	3	0-12	
Ethanol	107	108	53-149	1	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

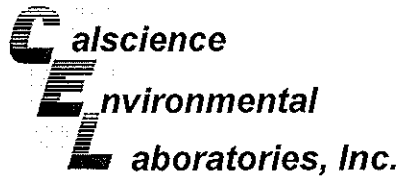
Date Received: N/A
Work Order No: 09-02-0790
Preparation: EPA 3510C
Method: EPA 8015B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-949	Aqueous	GC 47	02/09/09	02/10/09	090209B10

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	89	89	75-117	0	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

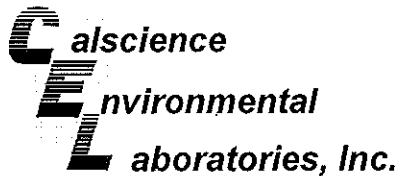
Date Received: N/A
Work Order No: 09-02-0790
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-1,129	Aqueous	GC/MS OO	02/16/09	02/16/09	090216L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	103	104	84-120	78-126	1	0-8	
Carbon Tetrachloride	97	97	63-147	49-161	1	0-10	
Chlorobenzene	98	101	89-119	84-124	3	0-7	
1,2-Dibromoethane	103	108	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	89	92	89-119	84-124	4	0-9	
1,1-Dichloroethene	99	97	77-125	69-133	2	0-16	
Ethylbenzene	103	104	80-120	73-127	2	0-20	
Toluene	102	105	83-125	76-132	2	0-9	
Trichloroethene	105	106	89-119	84-124	1	0-8	
Vinyl Chloride	84	82	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	106	108	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	102	106	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	114	117	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	104	108	74-122	66-130	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	108	76-124	68-132	7	0-10	
Ethanol	116	117	60-138	47-151	1	0-32	
TPPH	113	116	65-135	53-147	3	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

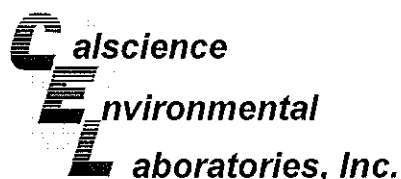
Date Received: N/A
Work Order No: 09-02-0790
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 8999 San Ramon Road, Dublin, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-1,139	Aqueous	GC/MS RR	02/17/09	02/18/09	090217L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	96	95	84-120	78-126	1	0-8	
Carbon Tetrachloride	107	106	63-147	49-161	1	0-10	
Chlorobenzene	94	93	89-119	84-124	1	0-7	
1,2-Dibromoethane	99	100	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	92	93	89-119	84-124	1	0-9	
1,1-Dichloroethene	107	105	77-125	69-133	2	0-16	
Ethylbenzene	95	94	80-120	73-127	1	0-20	
Toluene	96	94	83-125	76-132	2	0-9	
Trichloroethene	97	98	89-119	84-124	1	0-8	
Vinyl Chloride	95	91	63-135	51-147	4	0-13	
Methyl-t-Butyl Ether (MTBE)	93	89	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	90	90	46-154	28-172	0	0-32	
Diisopropyl Ether (DIPE)	121	116	81-123	74-130	4	0-11	
Ethyl-t-Butyl Ether (ETBE)	112	110	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	97	76-124	68-132	0	0-10	
Ethanol	104	103	60-138	47-151	2	0-32	
TPPH	99	96	65-135	53-147	3	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: 09-02-0790
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		
099-12-767-1,144	Aqueous	GC/MS RR	02/18/09	02/18/09	090218L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	96	94	84-120	78-126	2	0-8	
Carbon Tetrachloride	108	104	63-147	49-161	4	0-10	
Chlorobenzene	94	91	89-119	84-124	3	0-7	
1,2-Dibromoethane	98	96	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	92	91	89-119	84-124	1	0-9	
1,1-Dichloroethene	105	101	77-125	69-133	4	0-16	
Ethylbenzene	94	92	80-120	73-127	2	0-20	
Toluene	96	94	83-125	76-132	2	0-9	
Trichloroethene	97	93	89-119	84-124	3	0-8	
Vinyl Chloride	94	94	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	90	87	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	87	89	46-154	28-172	2	0-32	
Diisopropyl Ether (DIPE)	119	116	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	112	109	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	95	76-124	68-132	3	0-10	
Ethanol	102	103	60-138	47-151	1	0-32	
TPPH	102	102	65-135	53-147	1	0-30	

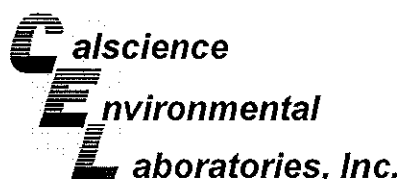
Total number of LCS compounds : 17

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



Glossary of Terms and Qualifiers



Work Order Number: 09-02-0790

<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.

LAB (LOCATION)

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



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input checked="" type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CN	<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

PO # _____ SAP # _____

DATE: 2/5/09

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

PROJECT CONTACT: Michael Ninokata

PHONE: (408)573-0555 FAX: (408)573-7771 EMAIL: mninokata@blainetech.com

LAB CODE: BTSS

SITE ADDRESS: 8999 San Ramon Road, Dublin CA T0600159797

CONSULTANT PROJECT NO: 090205-RM4

LAB USE ONLY: 09-07-090

TURNAROUND TIME: 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 Regla Bussard w/final report rbussard@deltaenv.com

Run TPH-d w/Silica Gel Clean Up

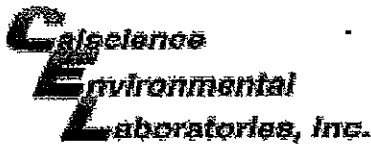
TEMPERATURE ON RECEIPT: _____

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS										TEMPERATURE ON RECEIPT	Container PID Readings or Laboratory Notes				
	DATE	TIME	HCL	MNO3		H2SO4	NONE	OTHER	TPH - Purgeable (8260B)	TPH - Extractable (8015M)		BTX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPR (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)			Methanol (8015M)			
1	MW-5B	2/5/09	1130	W	3					2	5	X	X	X	X												Run TPH-D w/Silica gel clean up
2	MW-5C		1200		3					2		X	X	X	X												"
3	MW-8B		1115		3					2		X	X	X	X												"
4	MW-11B		0935		3					2		X	X	X	X												"
5	MW-12		0900	V	3					2		X	X	X	X												"

Relinquished by: (Signature) <i>Kelly Kelly</i>	Received by: (Signature) <i>Kelly Kelly (Sample Custodian)</i>	Date: 2/5/09	Time: 1725
Relinquished by: (Signature) <i>Pat M</i>	Received by: (Signature) <i>CEL</i>	Date: 2/6/09	Time: 1130
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>Wobate</i>	Date: 2/7/09	Time: 1000

6505123674

05/06 Revision



WORK ORDER #: 09-02-0790

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS

DATE: 2 / 07 / 09

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

Temperature 1.6 °C - 0.2°C (CF) = 1.4 °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: WB

CUSTODY SEALS INTACT:

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

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"/>
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"/>
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 VOA³h VOAna₂ 125AGB 125AGBh 125AGBpo₄ 1AGB 1AGBna₂

1AGBs 500²AGB 500AGBs 250CGB 250CGBs 1PB 500PB 500PBna 250PB

250PBn 125PB 125PBz₂na 100PBsterile 100PBna₂ _____ _____ _____

Air: Tedlar® Summa® _____

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCl n:HNO₃ na₂:Na₂S₂O₃ na:NaOH po₄:H₃PO₄ s:H₂SO₄ z₂na:ZnAc₂+NaOH

Checked/Labeled by: SO

Reviewed by: WJC

Scanned by: SO