CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
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www.CRAworld.com

TRANSMITTAL

DATE: May 26, 2011

REFERENCE NO.: 240724

PROJECT NAME: 8999 San Ramon Road, Dublin

TO: Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
11:21 am, May 31, 2011
Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – First Quarter 2011

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions regarding the content of this document, please contact Peter Schaefer at (510) 420-3319.

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Cheryl Dizon, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551
Carl Cox, C and J Cox Corporation, 4431 Stoneridge Drive, Pleasanton, CA 94588

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Shell-branded Service Station
8999 San Ramon Road
Dublin, California
SAP Code 135244
Incident No. 97565995
Agency No. RO0002744

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT - FIRST QUARTER 2011

SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD
DUBLIN, CALIFORNIA

SAP CODE	135244
INCIDENT NO.	97565995
AGENCY NO.	RO0002744

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
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MAY 26, 2011
REF. NO. 240724 (4)
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LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell).

1.1 SITE INFORMATION

Site Address	8999 San Ramon Road, Dublin
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0002744
Shell SAP Code	135244
Shell Incident No.	97565995

Date of most recent agency correspondence was April 21, 2011 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site.

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2), and a groundwater data table (Table 1). Blaine's field notes are presented in Appendix A, and the laboratory report is presented in Appendix B.

During February and March 2011, CRA properly destroyed three groundwater monitoring wells (MW-7, MW-9, and MW-11) because they did not provide useful groundwater data and installed eight groundwater monitoring wells (MW-2R, MW-2RB, MW-2RC, MW-13, MW-13B, MW-13C, MW-14B, and MW-14C) to further delineate horizontal and vertical groundwater impacts down gradient from the site. Well

MW-14C appears to have been compromised during installation and will be reinstalled and developed. Our May 25, 2011 *Subsurface Investigation Report* provides details of the well destructions and the well installation activities to date.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Generally easterly
Hydraulic Gradient	0.06
Depth to Water	24.36 to 35.28 feet below top of well casing

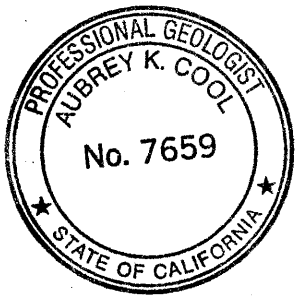
2.3 PROPOSED ACTIVITIES

As discussed above, well MW-14C will be reinstalled and developed. CRA will include the new wells in the groundwater monitoring program beginning with the second quarter 2011 sampling event. Blaine will gauge and sample wells according to the modified monitoring program for this site. This site is monitored quarterly, and CRA will issue groundwater monitoring reports quarterly following the sampling events.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG



FIGURES

02/08/2011

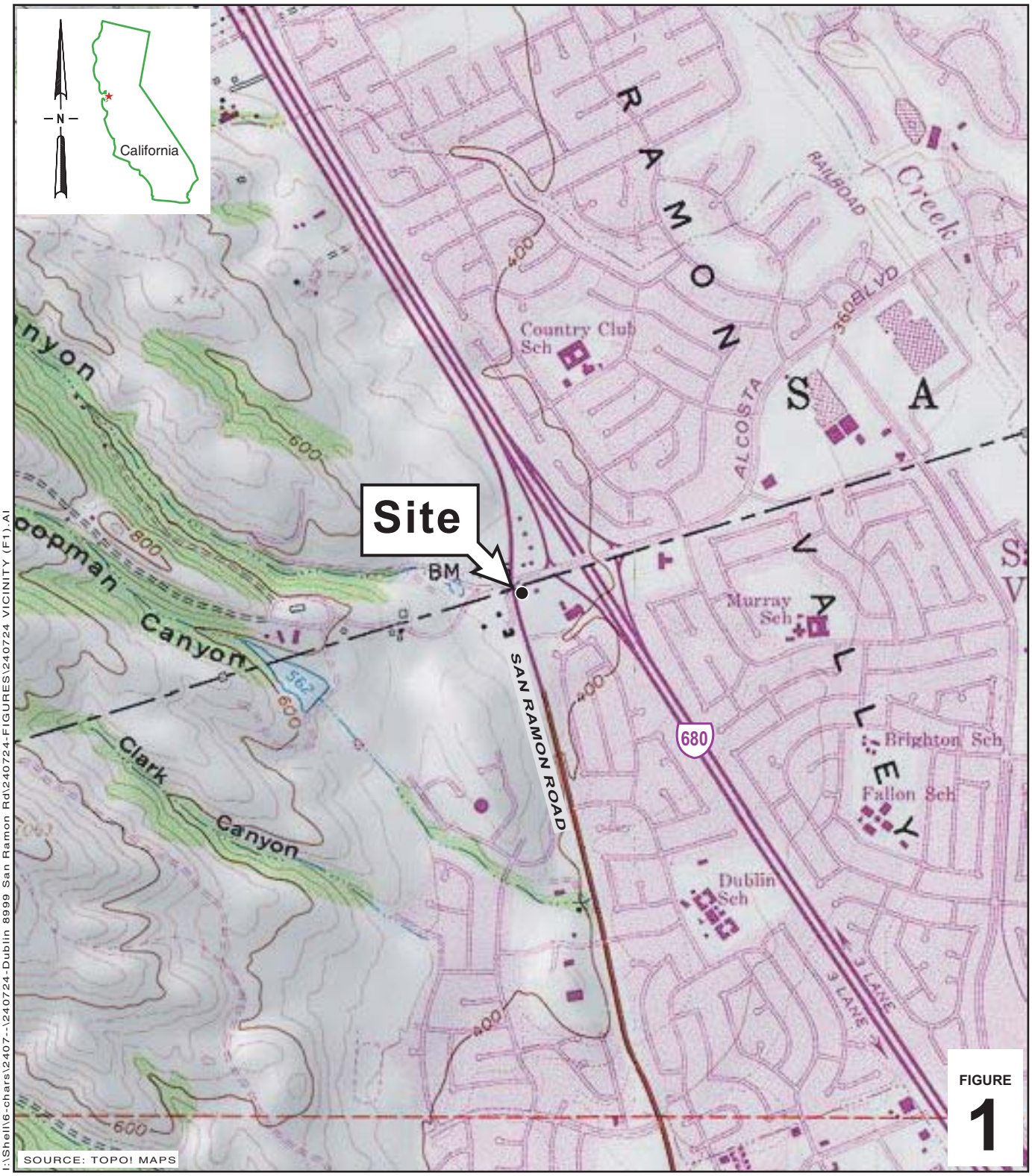


FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

I:\Shell\6-chars\2407-\240724-Dublin 8999 San Ramon Rd\240724-FIGURES\240724 VICINITY (F1).AI

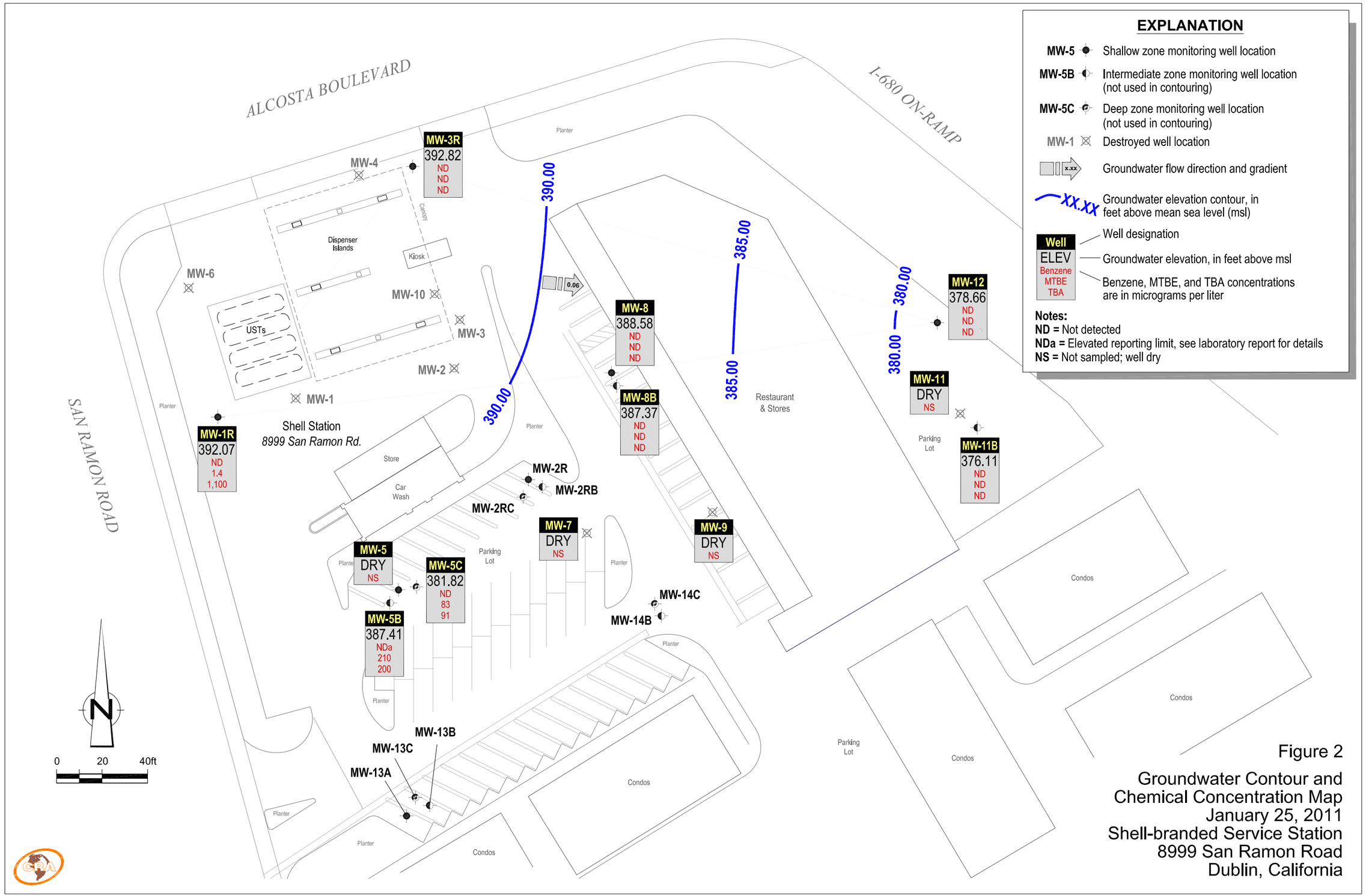
Shell-branded Service Station

8999 San Ramon Road

Dublin, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map



EXPLANATION

- **MW-5** — Shallow zone monitoring well location
- **MW-5B** — Intermediate zone monitoring well location (not used in contouring)
- **MW-5C** — Deep zone monitoring well location (not used in contouring)
- **MW-1** — Destroyed well location
- x.xx — Groundwater flow direction and gradient
- xx.xx — Groundwater elevation contour, in feet above mean sea level (msl)

Well
ELEV
Benzene
MTBE
TBA

- Well designation
- Groundwater elevation, in feet above msl
- Benzene, MTBE, and TBA concentrations are in micrograms per liter

Notes:
ND = Not detected
NDa = Elevated reporting limit, see laboratory report for details
NS = Not sampled; well dry

Figure 2

Groundwater Contour and Chemical Concentration Map
January 25, 2011
Shell-branded Service Station
8999 San Ramon Road
Dublin, California

I:\Shell\6-chars\2407--\240724-Dublin 8999 San Ramon Rd\240724-REPORTS\240724 1Q11\240724 1QM11-GW.DWG (05/11/2011)

TABLE

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-1	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	20.93	---
MW-1	05/19/2005	<5,000	160 a	<50	<50	<50	<100	1,400	<200	<200	<200	57,000	420.06	20.70	399.36
MW-1	08/15/2005	<5,000	<50	<50	<50	<50	<100	360	<200	<200	<200	56,000	420.06	23.98	396.08
MW-1	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	420.06	---	---
MW-1	01/30/2006	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	05/19/2006	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	08/24/2006	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	11/02/2006	Well dry	---	---	---	---	---	---	---	---	---	---	420.06	---	---
MW-1	01/29/2007	Well dry	---	---	---	---	---	---	---	---	---	---	420.06	---	---
MW-1	06/05/2007	Well dry	---	---	---	---	---	---	---	---	---	---	420.06	---	---
MW-1	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	420.06	---	---
MW-1	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	420.06	---	---
MW-1	02/15/2008	Insufficient water		---	---	---	---	---	---	---	---	---	420.06	26.45	393.61
MW-1	05/15/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-1R	03/11/2010	---	---	---	---	---	---	---	---	---	---	---	---	26.56	---
MW-1R	03/19/2010	91	<50 c	<0.50	<1.0	<1.0	<1.0	1.7	<2.0	<2.0	<2.0	2,400	---	26.09	---
MW-1R	05/07/2010	140	<50 c	<1.0	<2.0	<2.0	<2.0	2.2	<4.0	<4.0	<4.0	3,300	---	24.00	---
MW-1R	08/09/2010	300	<50 c	<2.5	<5.0	<5.0	<5.0	5.9	<10	<10	<10	9,600	---	27.91	---
MW-1R	11/08/2010	86	<50 c	<0.50	<1.0	<1.0	<1.0	3.3	<2.0	<2.0	<2.0	2,500	421.41	33.60	387.81
MW-1R	**01/25/2011**	**<50**	**<480 c**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.4**	**<1.0**	**<1.0**	**<1.0**	**1,100**	**421.41**	**29.34**	**392.07**
MW-2	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	20.72	---
MW-2	05/19/2005	<500	<50	<5.0	<5.0	<5.0	<10	11	<20	<20	<20	4,200	418.88	21.26	397.62
MW-2	08/15/2005	<1,000	<50	<10	<10	<10	<20	<10	<40	<40	<40	7,500	418.88	25.33	393.55
MW-2	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	418.88	---	---
MW-2	01/30/2006	<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	05/19/2006	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	08/24/2006	<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	11/02/2006	Well dry	---	---	---	---	---	---	---	---	---	---	418.88	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-2	01/29/2007	Well dry	---	---	---	---	---	---	---	---	---	---	418.88	---	---
MW-2	06/05/2007	Insufficient water		---	---	---	---	---	---	---	---	---	418.88	26.54	392.34
MW-2	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	418.88	---	---
MW-2	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	418.88	---	---
MW-2	02/15/2008	Insufficient water		---	---	---	---	---	---	---	---	---	418.88	26.15	392.73
MW-2	05/15/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-3	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	19.08	---
MW-3	05/19/2005	<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	08/15/2005	<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	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	417.24	---	---
MW-3	01/30/2006	<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	05/19/2006	<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	08/24/2006	<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	11/02/2006	Well dry	---	---	---	---	---	---	---	---	---	---	417.24	---	---
MW-3	01/29/2007	Well dry	---	---	---	---	---	---	---	---	---	---	417.24	---	---
MW-3	06/05/2007	<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	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	417.24	---	---
MW-3	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	417.24	---	---
MW-3	02/15/2008	Insufficient water		---	---	---	---	---	---	---	---	---	417.24	23.60	393.64
MW-3	05/15/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-3R	03/11/2010	---	---	---	---	---	---	---	---	---	---	---	---	22.60	---
MW-3R	03/19/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	---	22.30	---
MW-3R	05/07/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	---	21.14	---
MW-3R	08/09/2010	<50	<50 c	4.7	<1.0	<1.0	1.2	<1.0	<2.0	<2.0	<2.0	<10	---	24.20	---
MW-3R	11/08/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	417.18	27.60	389.58
MW-3R	**01/25/2011**	**<50**	**<490 c**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<10**	**417.18**	**24.36**	**392.82**
MW-4	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	19.77	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-4	05/19/2005	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	08/15/2005	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	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	420.52	---	---
MW-4	01/30/2006	<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	05/19/2006	<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	08/24/2006	<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	11/02/2006	Well dry	---	---	---	---	---	---	---	---	---	---	420.52	---	---
MW-4	01/29/2007	<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	06/05/2007	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	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	420.52	---	---
MW-4	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	420.52	---	---
MW-4	02/15/2008	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	05/15/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-5	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	416.88	25.25	391.63
MW-5	08/24/2006	<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	11/02/2006	<50	---	<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	01/29/2007	<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	06/05/2007	<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	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	11/30/2007	Insufficient water		---	---	---	---	---	---	---	---	---	416.88	28.39	388.49
MW-5	02/15/2008	Insufficient water		---	---	---	---	---	---	---	---	---	416.88	27.55	389.33
MW-5	05/27/2008	<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	08/05/2008	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	11/17/2008	Insufficient water		---	---	---	---	---	---	---	---	---	416.88	28.48	388.40
MW-5	02/05/2009	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	05/07/2009	Insufficient water		---	---	---	---	---	---	---	---	---	416.88	27.78	389.10
MW-5	08/20/2009	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	11/10/2009	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	02/15/2010	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-5	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	416.88	26.18	390.70
MW-5	05/07/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	1.5	<2.0	<2.0	<2.0	<10	416.88	23.64	393.24
MW-5	08/09/2010	Insufficient water		---	---	---	---	---	---	---	---	---	416.88	28.41	388.47
MW-5	11/08/2010	Well dry		---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	**01/25/2011**	**Well dry**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**416.88**	**---**	**---**
MW-5B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	417.66	29.74	387.92
MW-5B	02/15/2008	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	05/27/2008	620	<50 c	<2.5	<5.0	<5.0	<5.0	590	<10	<10	<10	<50	417.66	27.89	389.77
MW-5B	08/05/2008	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	02/05/2009	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	05/07/2009	680	<50 c	<2.5	<5.0	<5.0	<5.0	780	<10	<10	<10	<50	417.66	28.58	389.08
MW-5B	08/20/2009	800	<50 c	<2.5	<5.0	<5.0	<5.0	840	<10	<10	<10	<50	417.66	32.66	385.00
MW-5B	11/10/2009	790	<50 c	<2.5	<5.0	<5.0	<5.0	750	<10	<10	<10	<50	417.66	34.64	383.02
MW-5B	02/15/2010	710	<50 c	<2.5	<5.0	<5.0	<5.0	730	<10	<10	<10	<50	417.66	30.20	387.46
MW-5B	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	417.66	27.39	390.27
MW-5B	05/07/2010	230	<50 c	<1.0	<2.0	<2.0	<2.0	330	<4.0	<4.0	<4.0	<20	417.66	26.13	391.53
MW-5B	08/09/2010	310	<50 c	<1.0	<2.0	<2.0	<2.0	360	<4.0	<4.0	<4.0	<20	417.66	30.31	387.35
MW-5B	11/08/2010	340	<50 c	<1.0	<2.0	<2.0	<2.0	370	<4.0	<4.0	<4.0	<20	417.66	24.80	392.86
MW-5B	**01/25/2011**	**120**	**<480 c**	**<1.2**	**<1.2**	**<1.2**	**<2.5**	**210**	**<2.5**	**<2.5**	**<2.5**	**200**	**417.66**	**30.25**	**387.41**
MW-5C	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	417.10	33.97	383.13
MW-5C	02/15/2008	<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	05/27/2008	350	<50 c	<2.5	<5.0	<5.0	<5.0	290	<10	<10	<10	<50	417.10	33.97	383.13
MW-5C	08/05/2008	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	02/05/2009	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	05/07/2009	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-5C	08/20/2009	150	<50 c	<1.0	<2.0	<2.0	<2.0	130	<4.0	<4.0	<4.0	<20	417.10	38.82	378.28

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-5C	11/10/2009	190	<50 c	<1.0	<2.0	<2.0	<2.0	170	<4.0	<4.0	<4.0	<20	417.10	40.44	376.66
MW-5C	02/15/2010	150	<50 c	<0.50	<1.0	<1.0	<1.0	160	<2.0	<2.0	<2.0	<10	417.10	35.41	381.69
MW-5C	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	417.10	33.08	384.02
MW-5C	05/07/2010	110	<50 c	<0.50	<1.0	<1.0	<1.0	150	<2.0	<2.0	<2.0	<10	417.10	31.84	385.26
MW-5C	08/09/2010	160	<50 c	0.73	<1.0	<1.0	<1.0	190	<2.0	<2.0	<2.0	<10	417.10	35.79	381.31
MW-5C	11/08/2010	150	66 c,e	<0.50	<1.0	<1.0	<1.0	160	<2.0	<2.0	<2.0	<10	417.10	39.50	377.60
MW-5C	**01/25/2011**	**<50**	**<480 c**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**83**	**<1.0**	**<1.0**	**<1.0**	**91**	**417.10**	**35.28**	**381.82**
MW-6	02/28/2006	---	---	---	---	---	---	---	---	---	---	---	422.50	23.55	398.95
MW-6	03/03/2006	<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	05/19/2006	<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	08/24/2006	<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	11/02/2006	---	---	---	---	---	---	---	---	---	---	---	422.50	28.51	393.99
MW-6	01/29/2007	<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	06/05/2007	<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	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	422.50	---	---
MW-6	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	422.50	---	---
MW-6	02/15/2008	<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	05/15/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-7	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	414.35	25.84	388.51
MW-7	08/24/2006	<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	11/02/2006	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	01/29/2007	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	06/05/2007	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	02/15/2008	Insufficient water		---	---	---	---	---	---	---	---	---	414.35	27.95	386.40
MW-7	05/27/2008	<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	08/05/2008	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	Date	TPPH µg/L	TEPH µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	TBA µg/L	TOC msl	Depth to Water ft.	GW Elevation msl
MW-7	11/17/2008	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	02/05/2009	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	05/07/2009	Insufficient water		---	---	---	---	---	---	---	---	---	414.35	27.96	386.39
MW-7	08/20/2009	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	11/10/2009	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	02/15/2010	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	414.35	27.55	386.80
MW-7	05/07/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	414.35	25.02	389.33
MW-7	08/09/2010	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	11/08/2010	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
MW-7	**01/25/2011**	**Well dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**414.35**	**---**	**---**
MW-7	**02/16/2011**	**Well destroyed**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW-8	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	414.54	23.02	391.52
MW-8	08/24/2006	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	11/02/2006	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	01/29/2007	<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	06/05/2007	<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	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	414.54	---	---
MW-8	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	414.54	---	---
MW-8	02/15/2008	<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	05/27/2008	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	08/05/2008	<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	---	---	---	---	---	---	---	---	---	---	414.54	---	---
MW-8	02/05/2009	Insufficient water		---	---	---	---	---	---	---	---	---	414.54	28.62	385.92
MW-8	05/07/2009	<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-8	08/20/2009	Insufficient water		---	---	---	---	---	---	---	---	---	414.54	28.31	386.23
MW-8	11/10/2009	Insufficient water		---	---	---	---	---	---	---	---	---	414.54	28.52	386.02
MW-8	02/15/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	414.54	25.93	388.61
MW-8	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	414.54	23.89	390.65

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-8	05/07/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	15	414.54	22.32	392.22
MW-8	08/09/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	1.5	<2.0	<2.0	<2.0	510	414.54	26.31	388.23
MW-8	11/08/2010	Well dry	---	---	---	---	---	---	---	---	---	---	414.54	---	---
MW-8	**01/25/2011**	**<50**	**<470 c**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<10**	**414.54**	**25.96**	**388.58**
MW-8B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	414.81	26.81	388.00
MW-8B	02/15/2008	<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	05/27/2008	<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	08/05/2008	<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	02/05/2009	<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	05/07/2009	<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-8B	08/20/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	3.8	<2.0	<2.0	<2.0	<10	414.81	30.13	384.68
MW-8B	11/10/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	2.5	<2.0	<2.0	<2.0	<10	414.81	30.28	384.53
MW-8B	02/15/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	2.2	<2.0	<2.0	<2.0	<10	414.81	27.54	387.27
MW-8B	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	414.81	25.36	389.45
MW-8B	05/07/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	1.9	<2.0	<2.0	<2.0	<10	414.81	23.18	391.63
MW-8B	08/09/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	2.0	<2.0	<2.0	<2.0	<10	414.81	27.90	386.91
MW-8B	11/08/2010	<50	58 c,e	<0.50	<1.0	<1.0	<1.0	1.4	<2.0	<2.0	<2.0	<10	414.81	31.22	383.59
MW-8B	**01/25/2011**	**<50**	**<500 c**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<10**	**414.81**	**27.44**	**387.37**
MW-9	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	412.69	27.75	384.94
MW-9	08/24/2006	<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	11/02/2006	<50	---	<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	01/29/2007	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	06/05/2007	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.72	383.97
MW-9	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	02/15/2008	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.00	384.69
MW-9	05/27/2008	<50	---	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	412.69	27.93	384.76

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-9	08/05/2008	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.40	384.29
MW-9	11/17/2008	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	02/05/2009	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.54	384.15
MW-9	05/07/2009	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.41	384.28
MW-9	08/20/2009	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	11/10/2009	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	02/15/2010	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	412.69	28.75	383.94
MW-9	05/07/2010	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.35	384.34
MW-9	08/09/2010	<50	330 c, e	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	412.69	28.03	384.66
MW-9	11/08/2010	<50	730 c,e	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	412.69	28.50	384.19
MW-9	**01/25/2011**	**Well dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**412.69**	**---**	**---**
MW-9	**02/16/2011**	**Well destroyed**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW-10	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	419.48	23.90	395.58
MW-10	08/24/2006	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	11/02/2006	---	---	---	---	---	---	---	---	---	---	---	419.48	28.50	390.98
MW-10	01/29/2007	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	06/05/2007	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	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	419.48	---	---
MW-10	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	419.48	---	---
MW-10	02/15/2008	<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-11	08/21/2006	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	08/24/2006	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	11/02/2006	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	01/29/2007	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	06/05/2007	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-11	02/15/2008	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	05/27/2008	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	08/05/2008	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	11/17/2008	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	02/05/2009	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	05/07/2009	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	08/20/2009	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	11/10/2009	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	02/15/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	03/19/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	05/07/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	08/09/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	11/08/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	**01/25/2011**	**Well dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**409.69**	**---**	**---**
MW-11	**02/17/2011**	**Well destroyed**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW-11B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	409.03	31.47	377.56
MW-11B	02/15/2008	<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	05/27/2008	<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	08/05/2008	<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	02/05/2009	<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	05/07/2009	<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-11B	08/20/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	34.68	374.35
MW-11B	11/10/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	35.74	373.29
MW-11B	02/15/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	32.30	376.73
MW-11B	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	409.03	30.54	378.49
MW-11B	05/07/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	28.62	380.41
MW-11B	08/09/2010	<50	<50 c	5.6	<1.0	<1.0	1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	32.62	376.41
MW-11B	11/08/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	409.03	35.95	373.08

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH µg/L*	*TEPH µg/L*	*B µg/L*	*T µg/L*	*E µg/L*	*X µg/L*	*MTBE µg/L*	*DIPE µg/L*	*ETBE µg/L*	*TAME µg/L*	*TBA µg/L*	*TOC msl*	*Depth to Water ft.*	*GW Elevation msl*
MW-11B	**01/25/2011**	**<50**	**<470 c**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<10**	**409.03**	**32.92**	**376.11**
MW-12	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	411.18	31.10	380.08
MW-12	02/15/2008	<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	05/27/2008	<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	08/05/2008	<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	02/05/2009	<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	05/07/2009	<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
MW-12	08/20/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	34.21	376.97
MW-12	11/10/2009	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	34.75	376.43
MW-12	02/15/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	31.99	379.19
MW-12	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	411.18	30.34	380.84
MW-12	05/07/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	28.58	382.60
MW-12	08/09/2010	<50	<50 c	6.0	<1.0	<1.0	1.2	<1.0	<2.0	<2.0	<2.0	<10	411.18	32.42	378.76
MW-12	11/08/2010	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	411.18	35.18	376.00
MW-12	**01/25/2011**	**<50**	**<490 c**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<10**	**411.18**	**32.52**	**378.66**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline, analyzed by modified EPA Method 8260B
TEPH = Total petroleum hydrocarbons as diesel, analyzed by modified EPA Method 8015
BTEX = Benzene, toluene, ethylbenzene, and total xylenes, analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether, analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
TOC = Top of casing elevation
GW = Groundwater
µg/L = Micrograms per liter

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPPH* µg/L	*TEPH* µg/L	*B* µg/L	*T* µg/L	*E* µg/L	*X* µg/L	*MTBE* µg/L	*DIPE* µg/L	*ETBE* µg/L	*TAME* µg/L	*TBA* µg/L	*TOC* msl	*Depth to Water* ft.	*GW Elevation* msl

MSL = Mean sea level
ft. = Feet
<n = Below detection limit n
--- = Not applicable

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.
Well MW-1R and MW3R surveyed March 22, 2010 by Mid Coast Engineers.

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 110125-IW1 Date 1/25/11 Client SHELL

Site 8999 SAN RAMON RD., DUBLIN, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1R	0826	4					29.34	39.55		
MW-3R	0734	4					24.36	34.58		
MW-5	0810	4					DRY	28.53		
MW-5B	0842	4					30.25	66.72		
MW-5C	0835	4					35.28	98.14		
MW-7	0758	4					DRY	28.51		
MW-8	0804	4					25.96	28.69		
MW-8B	0817	4					27.44	68.42		
MW-9	0851	4					DRY	28.85		
MW-11	0740	2					DRY	28.49		
MW-11B	0746	4					32.92	38.25		
MW-12	0752	4					32.52	38.62		

SHELL WELL MONITORING DATA SHEET

BTS #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-1R	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 39.55	Depth to Water (DTW): 29.34
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]: 31.39	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

6.7 (Gals.) X 3 = 20.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1126	67.7	6.98	846	445	6.7	
1128	WELL DEWATERED @ 12.5			GALLONS	12.5	DTW = 34.20
1135	65.2	6.80	848	820	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 12.5

Sampling Date: 1/25/11 Sampling Time: 1135 Depth to Water: 31.22

Sample I.D.: MW-1R Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-3R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.58	Depth to Water (DTW): 24.36
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.41	

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

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

6.7 (Gals.) X	3	=	20.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0908	64.5	7.69	585	56	6.7	
0910	WELL DEWATERED @ 12.0 GALLONS				12.0	
0920	65.8	7.21	566	42	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 12.0

Sampling Date: 1/25/11 Sampling Time: 0920 Depth to Water: 26.22

Sample I.D.: MW-3R Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.53	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: X Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

WELL DRY

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

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
* INSUFFICIENT	WATER TO	PURGE AND	SAMPLE.			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 1/25/11 Sampling Time: Depth to Water:

Sample I.D.: MW-5 Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-5B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 66.72	Depth to Water (DTW): 30.25
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]: 37.55	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

24.0 (Gals.) X	3	=	72.0 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1211	69.8	7.11	1077	187	24.0	
1215	WELL DEWATERED @ 38.0		GALLONS		38.0	DTW = 52.85
1415	70.4	7.27	1028	96	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 38.0

Sampling Date: 1/25/11 Sampling Time: 1415 Depth to Water: 30.59 WAITED

Sample I.D.: MW-5B Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-5C	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 98.14	Depth to Water (DTW): 35.28
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]: 47.86	

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

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

41.0 (Gals.) X	3	=	123 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
1154	67.8	7.32	802	288	41.0	
1156	WELL DEWATERED @ 46.0 GALLONS				46.0	DTW = 89.42
1405	70.0	7.06	859	240	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 46.0

Sampling Date: 1/25/11 Sampling Time: 1405 Depth to Water: 42.16 WAITED

Sample I.D.: MW-5C Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.51	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: X Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

WELL DRY

____ (Gals.) X 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
* INSUFFICIENT WATER TO PURGE AND SAMPLE.						

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 1/25/11 Sampling Time: Depth to Water:

Sample I.D.: MW-7 Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.69	Depth to Water (DTW): 25.96
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]: 26.51	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

1.8 (Gals.) X	3	= 5.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1028	67.7	7.13	268	>1000	1.8	
1032	68.1	6.94	261	>1000	3.6	
1037	68.3	6.92	256	>1000	5.4	DTW = 27.36

Did well dewater? Yes (No) Gallons actually evacuated: 5.4

Sampling Date: 1/25/11 Sampling Time: 1345 Depth to Water: WAITED 26.12

Sample I.D.: MW-8 Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-8B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 68.42	Depth to Water (DTW): 27.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.64	

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

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

27.0 (Gals.) X	3	=	81 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1052	67.1	6.79	758	~~186~~ 86 IV	27.0	
1057	WELL	DEWATERED @ 34.0		GALLONS	34.0	DTW = 58.70
1115	68.6	6.67	662	138	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 34.0

Sampling Date: 1/25/11 Sampling Time: 1115 Depth to Water: 35.12

Sample I.D.: MW-8B Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 28.85	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
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:

WELL DRY

___(Gals.) X	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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
* INSUFFICIENT WATER TO PURGE AND SAMPLE.						

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Date: 1/25/11	Sampling Time:	Depth to Water:	
Sample I.D.: MW-9		Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.49	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: X Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

WELL DRY

____ (Gals.) X 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
* INSUFFICIENT WATER TO PURGE AND SAMPLE.						

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 1/25/11 Sampling Time: Depth to Water:

Sample I.D.: MW-11 Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-11B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 38.25	Depth to Water (DTW): 32.92
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]: 33.99	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

3.5 (Gals.) X 3 = 10.5 Gals.
1 Case Volume · Specified Volumes · Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0936	66.8	6.73	516	79	3.5	
0937	67.3	6.65	502	402	7.0	
0938	WELL	DEWATERED @ 7.5 GALLONS			7.5	
0950	65.6	6.76	489	128	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 7.5

Sampling Date: 1/25/11 Sampling Time: 0950 Depth to Water: 33.85

Sample I.D.: MW-11B Laboratory: (Test America) 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 #: 110125-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW	Date: 1/25/11
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 38.62	Depth to Water (DTW): 32.52
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]: 33.74	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

4.0 (Gals.) X 3 = 12.0 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1008	66.6	6.98	511	208	4.0	
1009	WELL	DEWATERED @ 7.5 GALLONS			7.5	DTW = 34.58
1015	67.3	6.79	521	227	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 7.5

Sampling Date: 1/25/11 Sampling Time: 1015 Depth to Water: 33.50

Sample I.D.: MW-12 Laboratory: (Test America) 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 WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 SAN RAMON RD., DUBLIN, CA Date 1/25/11

Job Number 110125-IW1 Technician IW 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-1R	X	X							
MW-3R	X								TAG MARKED AS "MW-3"
MW-5	X	X							
MW-5B	X	X							
MW-5C	X	X	X						
MW-7	X	X							
MW-8	X	X							
MW-8B	X	X							
MW-9	X	X	X						
MW-11	X	X	X						
MW-11B	X	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:

APPENDIX B

TEST AMERICA –
LABORATORY REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project: 8999 San Ramon Rd., Dublin, CA

Sampled: 01/25/11
Received: 01/27/11
Issued: 02/07/11 14:32

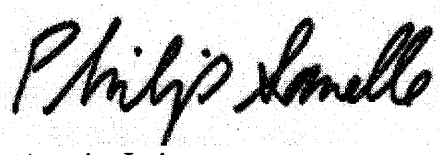
NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUA2482-01	MW-1R	Water
IUA2482-02	MW-3R	Water
IUA2482-03	MW-5B	Water
IUA2482-04	MW-5C	Water
IUA2482-05	MW-8	Water
IUA2482-06	MW-8B	Water
IUA2482-07	MW-11B	Water
IUA2482-08	MW-12	Water

Reviewed By:



TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUA2482

Sampled: 01/25/11
Received: 01/27/11

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA2482-01RE1 (MW-1R - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11B0062	480	ND	0.962	2/1/2011	2/1/2011	
Surrogate: n-Octacosane (45-120%)				*85 %*				
Sample ID: IUA2482-02RE1 (MW-3R - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11B0062	490	ND	0.971	2/1/2011	2/1/2011	
Surrogate: n-Octacosane (45-120%)				*93 %*				
Sample ID: IUA2482-03RE1 (MW-5B - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11B0062	480	ND	0.962	2/1/2011	2/1/2011	
Surrogate: n-Octacosane (45-120%)				*84 %*				
Sample ID: IUA2482-04RE1 (MW-5C - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11B0062	480	ND	0.962	2/1/2011	2/1/2011	
Surrogate: n-Octacosane (45-120%)				*84 %*				
Sample ID: IUA2482-05RE1 (MW-8 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11B0062	470	ND	0.943	2/1/2011	2/1/2011	
Surrogate: n-Octacosane (45-120%)				*101 %*				
Sample ID: IUA2482-06RE1 (MW-8B - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11B0062	500	ND	1	2/1/2011	2/1/2011	
Surrogate: n-Octacosane (45-120%)				*92 %*				
Sample ID: IUA2482-07RE1 (MW-11B - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11B0062	470	ND	0.943	2/1/2011	2/1/2011	
Surrogate: n-Octacosane (45-120%)				*91 %*				
Sample ID: IUA2482-08RE1 (MW-12 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11B0062	490	ND	0.971	2/1/2011	2/1/2011	
Surrogate: n-Octacosane (45-120%)				*90 %*				

TestAmerica Irvine

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Project Manager

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Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUA2482

Sampled: 01/25/11
Received: 01/27/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA2482-01 (MW-1R - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B0354	50	ND	1	2/3/2011	2/4/2011	
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Sample ID: IUA2482-02 (MW-3R - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B0354	50	ND	1	2/3/2011	2/4/2011	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Sample ID: IUA2482-03 (MW-5B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B0354	120	**120**	2.5	2/3/2011	2/4/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Sample ID: IUA2482-04 (MW-5C - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B0354	50	ND	1	2/3/2011	2/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Sample ID: IUA2482-05 (MW-8 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B0354	50	ND	1	2/3/2011	2/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Sample ID: IUA2482-06 (MW-8B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B0354	50	ND	1	2/3/2011	2/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				

TestAmerica Irvine

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Project Manager

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Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUA2482

Sampled: 01/25/11
Received: 01/27/11

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA2482-07 (MW-11B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B0354	50	ND	1	2/3/2011	2/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Sample ID: IUA2482-08 (MW-12 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11B0354	50	ND	1	2/3/2011	2/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				

TestAmerica Irvine

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Blaine Tech San Jose/CRA Shell
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San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA

Report Number: IUA2482

Sampled: 01/25/11
Received: 01/27/11

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA2482-01 (MW-1R - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/4/2011	
Ethylbenzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/4/2011	
Toluene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/4/2011	
Xylenes, Total	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B0354	1.0	**1.4**	1	2/3/2011	2/4/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
tert-Butanol (TBA)	EPA 8260B	11B0354	10	**1100**	1	2/3/2011	2/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUA2482-02 (MW-3R - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/4/2011	
Ethylbenzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/4/2011	
Toluene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/4/2011	
Xylenes, Total	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/4/2011	
tert-Butanol (TBA)	EPA 8260B	11B0354	10	ND	1	2/3/2011	2/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUA2482

Sampled: 01/25/11
Received: 01/27/11

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA2482-03 (MW-5B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B0354	1.2	ND	2.5	2/3/2011	2/4/2011	
Ethylbenzene	EPA 8260B	11B0354	1.2	ND	2.5	2/3/2011	2/4/2011	
Toluene	EPA 8260B	11B0354	1.2	ND	2.5	2/3/2011	2/4/2011	
Xylenes, Total	EPA 8260B	11B0354	2.5	ND	2.5	2/3/2011	2/4/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11B0354	2.5	ND	2.5	2/3/2011	2/4/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11B0354	2.5	ND	2.5	2/3/2011	2/4/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B0354	2.5	**210**	2.5	2/3/2011	2/4/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11B0354	2.5	ND	2.5	2/3/2011	2/4/2011	
tert-Butanol (TBA)	EPA 8260B	11B0354	25	**200**	2.5	2/3/2011	2/4/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Sample ID: IUA2482-04 (MW-5C - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Ethylbenzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Toluene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Xylenes, Total	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B0354	1.0	**83**	1	2/3/2011	2/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Butanol (TBA)	EPA 8260B	11B0354	10	**91**	1	2/3/2011	2/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA2482-05 (MW-8 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Ethylbenzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Toluene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Xylenes, Total	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Butanol (TBA)	EPA 8260B	11B0354	10	ND	1	2/3/2011	2/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Sample ID: IUA2482-06 (MW-8B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Ethylbenzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Toluene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Xylenes, Total	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Butanol (TBA)	EPA 8260B	11B0354	10	ND	1	2/3/2011	2/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUA2482-07 (MW-11B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Ethylbenzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Toluene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Xylenes, Total	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Butanol (TBA)	EPA 8260B	11B0354	10	ND	1	2/3/2011	2/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*88 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Sample ID: IUA2482-08 (MW-12 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Ethylbenzene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Toluene	EPA 8260B	11B0354	0.50	ND	1	2/3/2011	2/3/2011	
Xylenes, Total	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11B0354	1.0	ND	1	2/3/2011	2/3/2011	
tert-Butanol (TBA)	EPA 8260B	11B0354	10	ND	1	2/3/2011	2/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B0062 Extracted: 02/01/11										
Blank Analyzed: 02/01/2011 (11B0062-BLK1)										
DRO (C10-C28)	ND	500	ug/l							
EFH (C10 - C28)	ND	500	ug/l							
Surrogate: n-Octacosane	*167*		*ug/l*	*200*		*84*	*45-120*			
LCS Analyzed: 02/01/2011 (11B0062-BS1)										**MNR1**
EFH (C10 - C28)	618	500	ug/l	1000		62	40-115			
Surrogate: n-Octacosane	*152*		*ug/l*	*200*		*76*	*45-120*			
LCS Dup Analyzed: 02/01/2011 (11B0062-BSD1)										
EFH (C10 - C28)	736	500	ug/l	1000		74	40-115	17	25	
Surrogate: n-Octacosane	*175*		*ug/l*	*200*		*87*	*45-120*			

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Received: 01/27/11

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS (CA LUFT)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B0354 Extracted: 02/03/11										
Blank Analyzed: 02/03/2011 (11B0354-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*80-120*			
LCS Analyzed: 02/03/2011 (11B0354-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	374	50	ug/l	500		75	55-130			
Surrogate: Dibromofluoromethane	*23.3*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.7*		*ug/l*	*25.0*		*91*	*80-120*			
Matrix Spike Analyzed: 02/03/2011 (11B0354-MS1)					**Source: IUA2482-08**					
Volatile Fuel Hydrocarbons (C4-C12)	1030	50	ug/l	1720	ND	60	50-145			
Surrogate: Dibromofluoromethane	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/l*	*25.0*		*92*	*80-120*			
Matrix Spike Dup Analyzed: 02/03/2011 (11B0354-MSD1)					**Source: IUA2482-08**					
Volatile Fuel Hydrocarbons (C4-C12)	987	50	ug/l	1720	ND	57	50-145	4	20	
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.7*		*ug/l*	*25.0*		*91*	*80-120*			

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METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B0354 Extracted: 02/03/11										
Blank Analyzed: 02/03/2011 (11B0354-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
o-Xylene	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	1.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	10	ug/l							
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
LCS Analyzed: 02/03/2011 (11B0354-BS1)										
Benzene	24.6	0.50	ug/l	25.0		98	70-120			
Ethylbenzene	24.6	0.50	ug/l	25.0		98	75-125			
Toluene	25.4	0.50	ug/l	25.0		102	70-120			
m,p-Xylenes	50.8	1.0	ug/l	50.0		102	75-125			
o-Xylene	25.7	0.50	ug/l	25.0		103	75-125			
Xylenes, Total	76.5	1.0	ug/l	75.0		102	70-125			
Di-isopropyl Ether (DIPE)	25.3	1.0	ug/l	25.0		101	60-135			
Ethyl tert-Butyl Ether (ETBE)	19.4	1.0	ug/l	25.0		77	65-135			
Methyl-tert-butyl Ether (MTBE)	22.7	1.0	ug/l	25.0		91	60-135			
tert-Amyl Methyl Ether (TAME)	18.6	1.0	ug/l	25.0		75	60-135			
tert-Butanol (TBA)	120	10	ug/l	125		96	70-135			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			

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METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11B0354 Extracted: 02/03/11										
Matrix Spike Analyzed: 02/03/2011 (11B0354-MS1)					**Source: IUA2482-08**					
Benzene	26.0	0.50	ug/l	25.0	ND	104	65-125			
Ethylbenzene	25.9	0.50	ug/l	25.0	ND	104	65-130			
Toluene	27.2	0.50	ug/l	25.0	ND	109	70-125			
m,p-Xylenes	53.0	1.0	ug/l	50.0	ND	106	65-130			
o-Xylene	26.7	0.50	ug/l	25.0	ND	107	65-125			
Xylenes, Total	79.7	1.0	ug/l	75.0	ND	106	60-130			
Di-isopropyl Ether (DIPE)	27.6	1.0	ug/l	25.0	ND	110	60-140			
Ethyl tert-Butyl Ether (ETBE)	20.4	1.0	ug/l	25.0	ND	81	60-135			
Methyl-tert-butyl Ether (MTBE)	23.7	1.0	ug/l	25.0	ND	95	55-145			
tert-Amyl Methyl Ether (TAME)	18.9	1.0	ug/l	25.0	ND	76	60-140			
tert-Butanol (TBA)	157	10	ug/l	125	ND	125	65-140			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 02/03/2011 (11B0354-MSD1)					**Source: IUA2482-08**					
Benzene	25.3	0.50	ug/l	25.0	ND	101	65-125	3	20	
Ethylbenzene	24.7	0.50	ug/l	25.0	ND	99	65-130	5	20	
Toluene	26.4	0.50	ug/l	25.0	ND	106	70-125	3	20	
m,p-Xylenes	50.4	1.0	ug/l	50.0	ND	101	65-130	5	25	
o-Xylene	25.7	0.50	ug/l	25.0	ND	103	65-125	4	20	
Xylenes, Total	76.2	1.0	ug/l	75.0	ND	102	60-130	5	20	
Di-isopropyl Ether (DIPE)	26.9	1.0	ug/l	25.0	ND	108	60-140	2	25	
Ethyl tert-Butyl Ether (ETBE)	21.1	1.0	ug/l	25.0	ND	84	60-135	4	25	
Methyl-tert-butyl Ether (MTBE)	23.8	1.0	ug/l	25.0	ND	95	55-145	0.3	25	
tert-Amyl Methyl Ether (TAME)	20.1	1.0	ug/l	25.0	ND	80	60-140	6	30	
tert-Butanol (TBA)	151	10	ug/l	125	ND	120	65-140	4	25	
Surrogate: 4-Bromofluorobenzene	*22.7*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			

TestAmerica Irvine

Philip Sanelle
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Blaine Tech San Jose/CRA Shell
1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUA2482

Sampled: 01/25/11
Received: 01/27/11

DATA QUALIFIERS AND DEFINITIONS

MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 8015B	Water	X	X
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Philip Sanelle
Project Manager

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Peter Schaefer 135244

PO #: 4 0 - 4 0 3 4 9 7 3

INCIDENT # (ENV SERVICES): 9 7 5 6 5 9 9 5 ☐ CHECK IF NO INCIDENT # APPLIES

SAP #:

DATE: 1/25/11

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS: Street and City: 8999 San Ramon Rd., Dublin	State: CA
GLOBAL ID NO.: T0600159797			
ADDRESS: 1680 Rogers Avenue, San Jose, CA			
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville	PHONE NO.: 510-420-3343	E-MAIL: shelledf@craworld.com	CONSULTANT PROJECT NO.: 110125-IW1
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King			
TELEPHONE: 310-995-4455 x 108	FAX: 310-637-5802	E-MAIL: lking@blainetech.com	
SAMPLER NAME(S) (Print): IAN WILLIAMS			LAB USE ONLY: IVA2482

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Email invoice and copy of final report to Shell.Lab.Billing@craworld.com

Run TPH-D with Silica Gel Clean Up

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 6 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON REC C°	Container PID Readings or Laboratory Notes
	MW-1R	1/25/11	1135	W	X				X	5	X	X					X								2.1°
	MW-3R		0920		X				X	5	X	X					X								
	MW-5B		1415		X				X	5	X	X					X								
	MW-5C		1405		X				X	5	X	X					X								
	MW-8		1345		X				X	5	X	X					X								0.0 01/28/11 0.20
	MW-8B		1115		X				X	5	X	X					X								
	MW-11B		0950		X				X	5	X	X					X								
	MW-12		1015		X				X	5	X	X					X								

Relinquished by: (Signature)	Received by: (Signature) (SAMPLE CUSTODIAN)	Date: 1/25/11	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 1/26/11	Time: 1415
Relinquished by: (Signature) 1-26-11 16:00	Received by: (Signature)	Date: 1/27/11	Time: 11:10

05/2/06 Revision

#27482 (8) (15)