CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
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www.CRAworld.com

TRANSMITTAL

DATE: November 23, 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

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3:20 pm, Nov 23, 2011
Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Third 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 - THIRD 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
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U.S.A. 94608

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NOVEMBER 23, 2011
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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 June 27, 2011.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

During July 2011, CRA re-installed groundwater monitoring well MW-14C, and Cascade Drilling, L.P. (Cascade) developed the new well during August 2011.

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the modified monitoring program for this site. Well MW-14C was sampled on July 26, 2011 prior to being developed, so a second sample was collected from the well on September 9, 2011. Based on the approximately 8-foot difference in groundwater elevation between these sampling events, it appears that the groundwater elevation data from the July 26, 2011 sampling event was not valid.

CRA prepared a vicinity map (Figure 1), a shallow-zone groundwater contour and chemical concentration map (Figure 2), an intermediate-zone groundwater contour and chemical concentration map (Figure 3), a deep-zone groundwater elevation and

chemical concentration map (Figure 4), and a groundwater data table (Table 1). As stated above, groundwater elevation data from MW-14C the July 26, 2011 sampling event was likely not valid. Due to limited valid groundwater elevation data (three wells), CRA did not prepare a deep-zone groundwater contour map. Blaine's field notes are presented in Appendix A, the laboratory report is presented in Appendix B, and Cascade's well development notes are presented in Appendix C.

2.2 CURRENT QUARTER'S FINDINGS

Shallow-Zone Groundwater Flow Direction	Southeasterly to easterly
Intermediate-Zone Groundwater Flow Direction	Southeasterly to easterly
Shallow-Zone Hydraulic Gradient	0.06
Intermediate-Zone Hydraulic Gradient	Southeasterly: 0.03; easterly: 0.07
Depth to Water	18.72 to 28.64 feet below top of well casing

2.3 PROPOSED ACTIVITIES

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

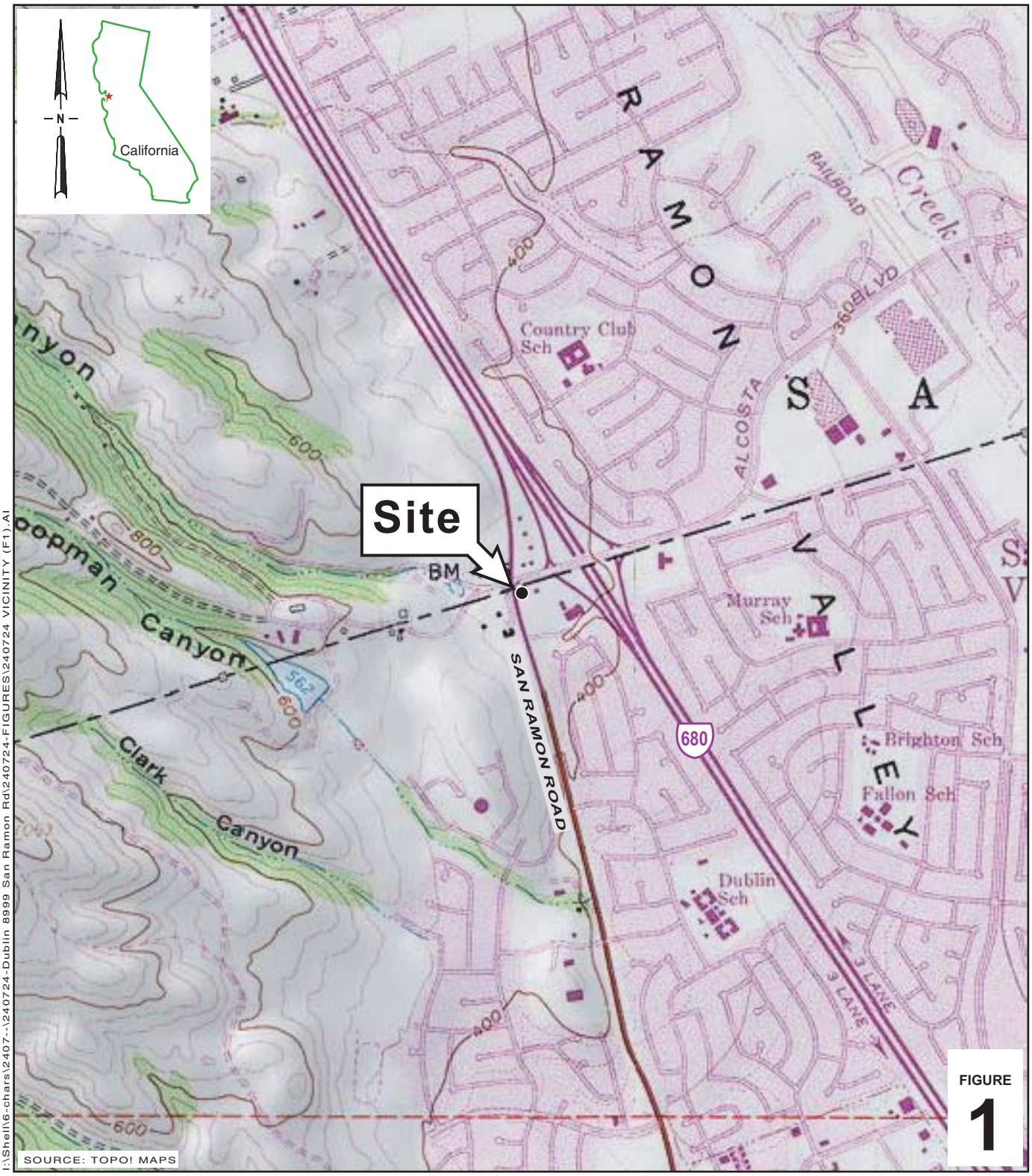


FIGURE
1

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

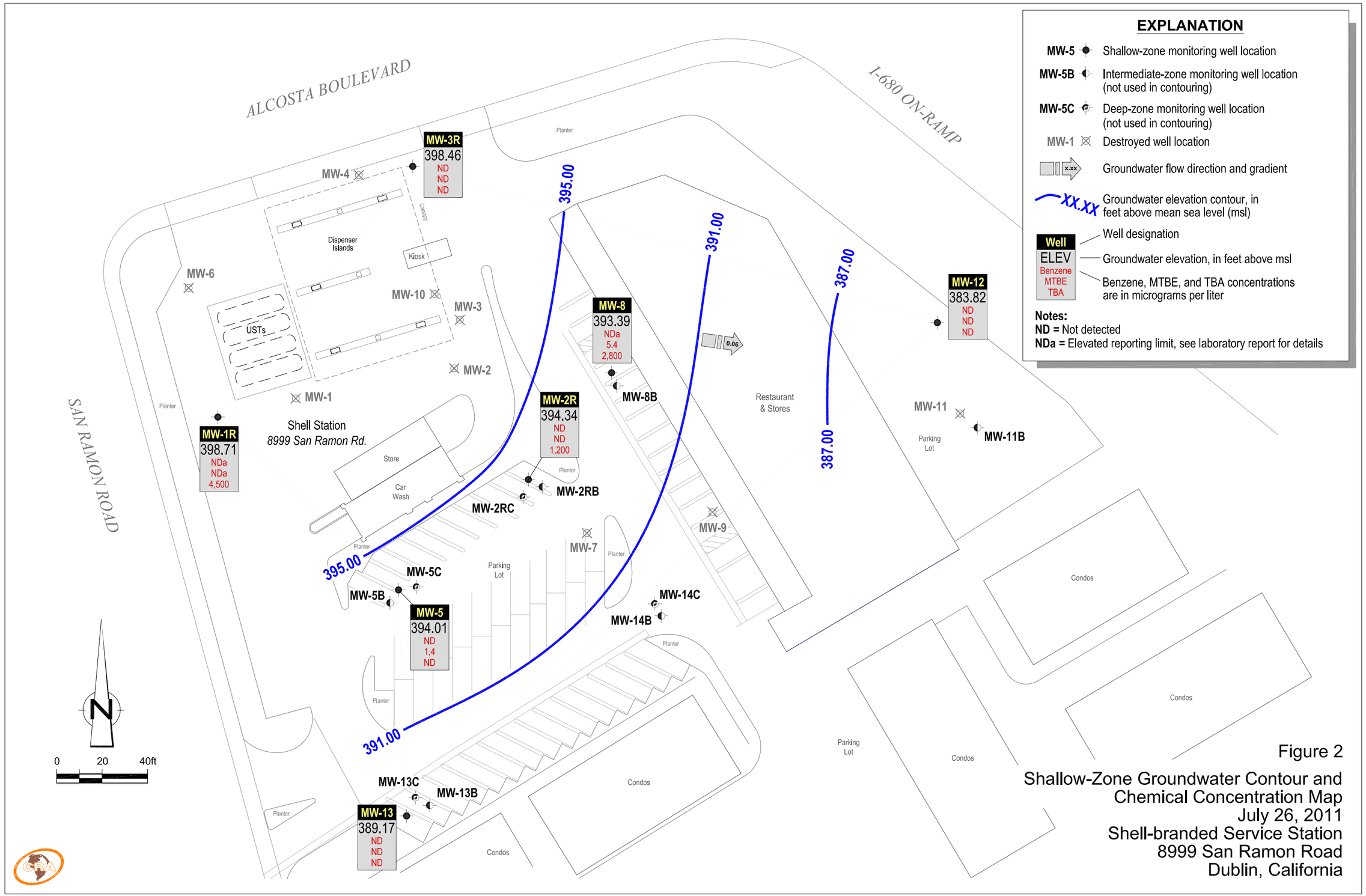
Shell-branded Service Station

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

Figure 2

Shallow-Zone Groundwater Contour and Chemical Concentration Map
July 26, 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-RPT6-3Q11\240724 3QM11-GW (A ZONE).DWG (10/03/2011)

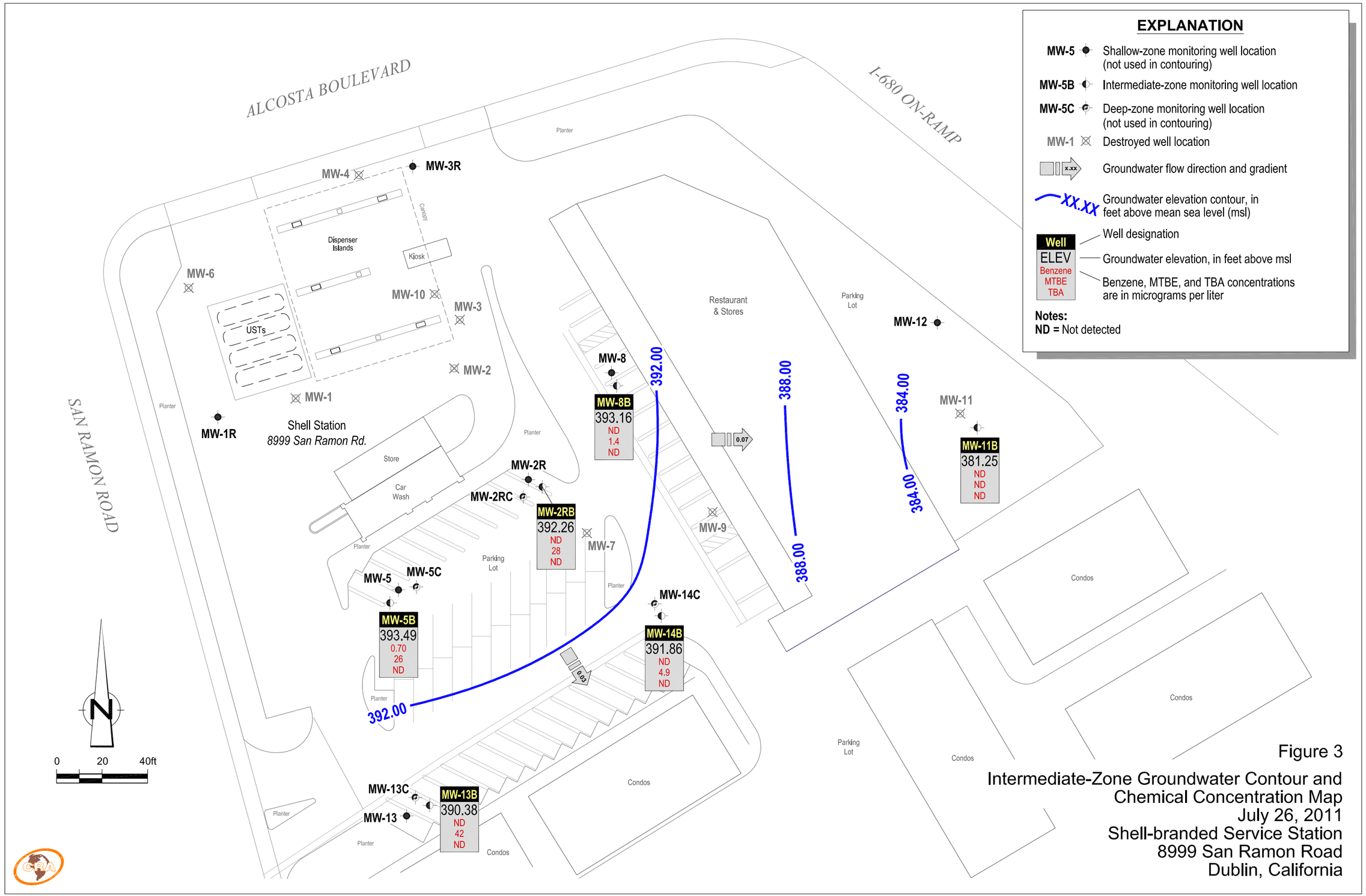


Figure 3

Intermediate-Zone Groundwater Contour and Chemical Concentration Map
July 26, 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-RPT6-3Q11\240724 3QM11-GW (B ZONE).DWG (10/03/2011)

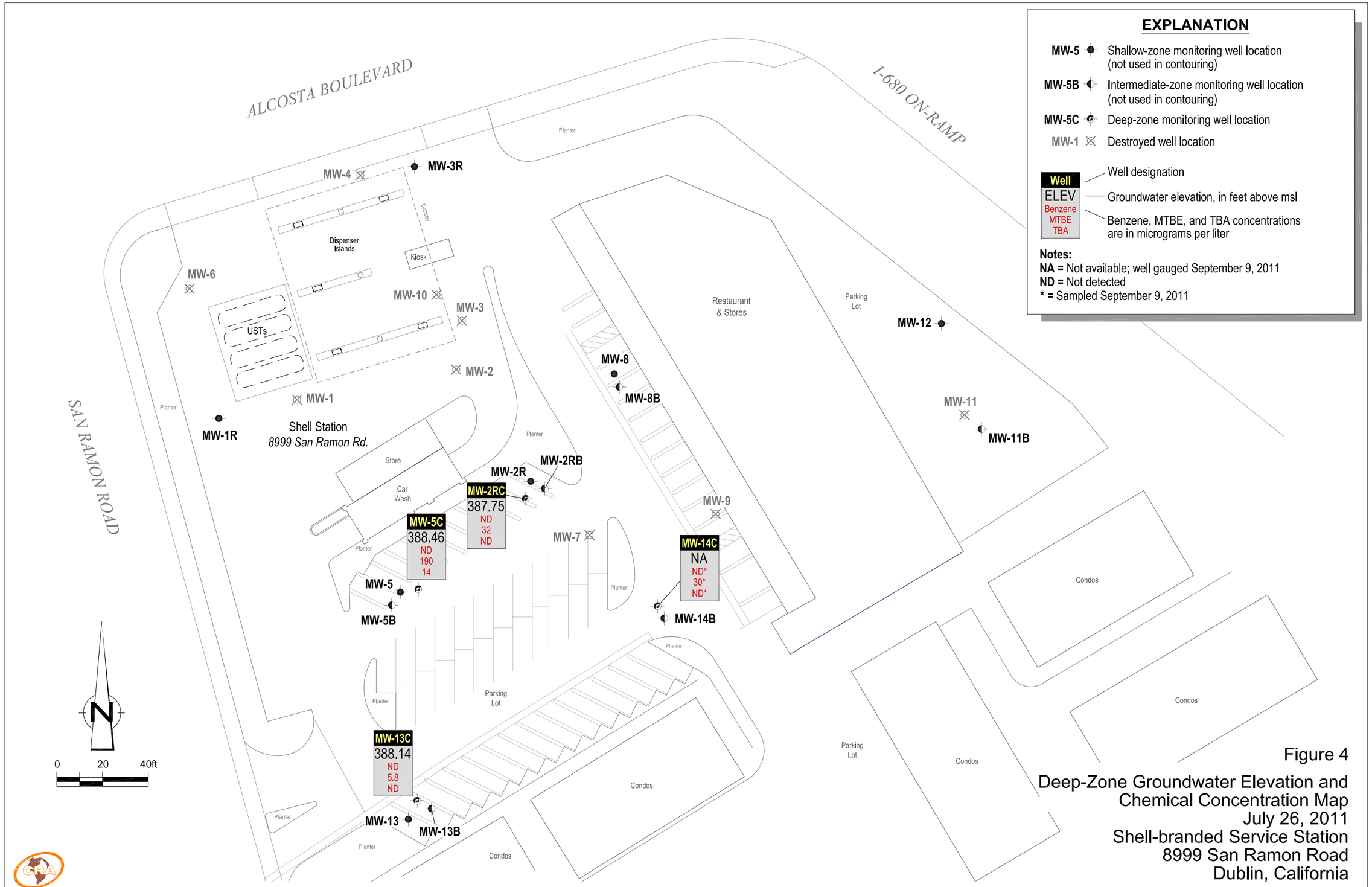


Figure 4

Deep-Zone Groundwater Elevation and Chemical Concentration Map
July 26, 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-RPT6-3Q11\240724 3QM11-GW (C ZONE).DWG (10/14/2011)

TABLE

TABLE 1

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-1	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	20.93	---
MW-1	05/19/2005	160 c,e	<5,000	<50	<50	<50	<100	1,400	57,000	<200	<200	<200	420.06	20.70	399.36
MW-1	08/15/2005	<50 c	<5,000	<50	<50	<50	<100	360	56,000	<200	<200	<200	420.06	23.98	396.08
MW-1	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	420.06	---	---
MW-1	01/30/2006	438 c	585	<0.500	<0.500	<0.500	<0.500	15.6	115,000	<0.500	<0.500	<0.500	420.06	26.39	393.67
MW-1	05/19/2006	279	2,940	<0.500	<0.500	<0.500	<0.500	150	49,500	<0.500	0.940	<0.500	420.06	23.10	396.96
MW-1	08/24/2006	85.6	812	<0.500	<0.500	<0.500	<0.500	33.0	30,700	<0.500	0.890	<0.500	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	05/22/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-1R	03/11/2010	---	---	---	---	---	---	---	---	---	---	---	---	26.56	---
MW-1R	03/19/2010	<50	91	<0.50	<1.0	<1.0	<1.0	1.7	2,400	<2.0	<2.0	<2.0	---	26.09	---
MW-1R	05/07/2010	<50	140	<1.0	<2.0	<2.0	<2.0	2.2	3,300	<4.0	<4.0	<4.0	---	24.00	---
MW-1R	08/09/2010	<50	300	<2.5	<5.0	<5.0	<5.0	5.9	9,600	<10	<10	<10	---	27.91	---
MW-1R	11/08/2010	<50	86	<0.50	<1.0	<1.0	<1.0	3.3	2,500	<2.0	<2.0	<2.0	421.41	33.60	387.81
MW-1R	01/25/2011	<480	<50	<0.50	<0.50	<0.50	<1.0	1.4	1,100	<1.0	<1.0	<1.0	421.41	29.34	392.07
MW-1R	05/23/2011	<48	<250	<2.5	<2.5	<2.5	<5.0	<5.0	2,400	<5.0	<5.0	<5.0	421.41	21.29	400.12
MW-1R	**07/26/2011**	**<48**	**210 i**	**<2.0**	**<2.0**	**<2.0**	**<4.0**	**<4.0**	**4,500**	**<4.0**	**<4.0**	**<4.0**	**421.41**	**22.70**	**398.71**
MW-2	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	20.72	---
MW-2	05/19/2005	<50 c	<500	<5.0	<5.0	<5.0	<10	11	4,200	<20	<20	<20	418.88	21.26	397.62
MW-2	08/15/2005	<50 c	<1,000	<10	<10	<10	<20	<10	7,500	<40	<40	<40	418.88	25.33	393.55
MW-2	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	418.88	---	---
MW-2	01/30/2006	401 c	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	1,310	<0.500	<0.500	<0.500	418.88	25.87	393.01
MW-2	05/19/2006	134	398	<0.500	<0.500	<0.500	<0.500	7.65	4,910	<0.500	<0.500	<0.500	418.88	21.75	397.13
MW-2	08/24/2006	<46.9	<50.0	<0.500	<0.500	<0.500	<0.500	2.82	4,070	<0.500	<0.500	<0.500	418.88	24.60	394.28

TABLE 1

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-2	11/02/2006	Well dry	---	---	---	---	---	---	---	---	---	---	418.88	---	---
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	05/22/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-2R	05/11/2011	---	---	---	---	---	---	---	---	---	---	---	415.82	20.87	394.95
MW-2R	05/23/2011	140	1,100	<0.50	<0.50	<0.50	<1.0	1.5	140	<1.0	<1.0	<1.0	415.82	25.20	390.62
MW-2R	**07/26/2011**	**64**	**370**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**1,200**	**<1.0**	**<1.0**	**<1.0**	**415.82**	**21.48**	**394.34**
MW-2RB	05/11/2011	---	---	---	---	---	---	---	---	---	---	---	415.66	22.28	393.38
MW-2RB	05/23/2011	61	<50	<0.50	<0.50	<0.50	<1.0	29	10	<1.0	<1.0	<1.0	415.66	21.77	393.89
MW-2RB	**07/26/2011**	**69**	**59**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**28**	**<10**	**<1.0**	**<1.0**	**<1.0**	**415.66**	**23.40**	**392.26**
MW-2RC	05/11/2011	---	---	---	---	---	---	---	---	---	---	---	415.97	27.01	388.96
MW-2RC	05/13/2011	---	---	---	---	---	---	---	---	---	---	---	415.97	29.95	386.02
MW-2RC	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	31	14	<1.0	<1.0	<1.0	415.97	27.01	388.96
MW-2RC	**07/26/2011**	**<49**	**69**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**32**	**<10**	**<1.0**	**<1.0**	**<1.0**	**415.97**	**28.22**	**387.75**
MW-3	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	19.08	---
MW-3	05/19/2005	120 c,e	<50	<0.50	<0.50	<0.50	<1.0	40	6.5	<2.0	<2.0	<2.0	417.24	19.08	398.16
MW-3	08/15/2005	73 c	<50	<0.50	<0.50	<0.50	<1.0	34	<5.0	<2.0	<2.0	<2.0	417.24	22.20	395.04
MW-3	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	417.24	---	---
MW-3	01/30/2006	412 c	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	417.24	23.64	393.60
MW-3	05/19/2006	183	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	417.24	19.00	398.24
MW-3	08/24/2006	214	<50.0	<0.500	<0.500	<0.500	<0.500	3.11	661	<0.500	<0.500	<0.500	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	230	<50 f	<0.50	<1.0	<1.0	<1.0	0.38 g	<10	<2.0	<2.0	<2.0	417.24	23.80	393.44

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
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	05/22/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-3R	03/11/2010	---	---	---	---	---	---	---	---	---	---	---	---	22.60	---
MW-3R	03/19/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	22.30	---
MW-3R	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	21.14	---
MW-3R	08/09/2010	<50	<50	4.7	<1.0	<1.0	1.2	<1.0	<10	<2.0	<2.0	<2.0	---	24.20	---
MW-3R	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	417.18	27.60	389.58
MW-3R	01/25/2011	<490	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	417.18	24.36	392.82
MW-3R	05/23/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	417.18	18.31	398.87
MW-3R	**07/26/2011**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**417.18**	**18.72**	**398.46**
MW-4	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	19.77	---
MW-4	05/19/2005	59 c,e	97	0.66	<0.50	<0.50	<1.0	4.8	8.2	<2.0	<2.0	<2.0	420.52	19.85	400.67
MW-4	08/15/2005	<50 c	67	<0.50	<0.50	<0.50	<1.0	0.86	<5.0	<2.0	<2.0	<2.0	420.52	23.34	397.18
MW-4	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	420.52	---	---
MW-4	01/30/2006	112 c	<50.0	<0.500	<0.500	<0.500	<0.500	1.63	<10.0	<0.500	<0.500	<0.500	420.52	24.13	396.39
MW-4	05/19/2006	<46.9	<50.0	<0.500	<0.500	<0.500	<0.500	1.08	<10.0	<0.500	<0.500	<0.500	420.52	19.79	400.73
MW-4	08/24/2006	<47.2	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	78.3	<0.500	<0.500	<0.500	420.52	22.50	398.02
MW-4	11/02/2006	Well dry	---	---	---	---	---	---	---	---	---	---	420.52	---	---
MW-4	01/29/2007	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	420.52	25.82	394.70
MW-4	06/05/2007	120	62 f	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	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	<50	56 f	<0.50	<1.0	<1.0	<1.0	2.9	<10	<2.0	<2.0	<2.0	420.52	24.34	396.18
MW-4	05/22/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-5	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	416.88	25.25	391.63
MW-5	08/24/2006	108	<50.0	<0.500	<0.500	<0.500	<0.500	3.33	21.0	<0.500	<0.500	<0.500	416.88	25.70	391.18

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-5	11/02/2006	---	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	416.88	28.00	388.88
MW-5	01/29/2007	66	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	416.88	27.80	389.08
MW-5	06/05/2007	2,200 e	<50 f	<0.50	<1.0	<1.0	<1.0	0.56 g	<10	<2.0	<2.0	<2.0	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	83	<50	<0.50	<1.0	<1.0	<1.0	4.3	<10	<2.0	<2.0	<2.0	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	---	---
MW-5	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	416.88	26.18	390.70
MW-5	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	1.5	<10	<2.0	<2.0	<2.0	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-5	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	1.3	<10	<1.0	<1.0	<1.0	416.88	21.31	395.57
MW-5	**07/26/2011**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.4**	**<10**	**<1.0**	**<1.0**	**<1.0**	**416.88**	**22.87**	**394.01**
MW-5B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	417.66	29.74	387.92
MW-5B	02/15/2008	<50	110 e,f	<0.50	<1.0	<1.0	<1.0	1,700	250	<2.0	<2.0	<2.0	417.66	28.85	388.81
MW-5B	05/27/2008	<50	620	<2.5	<5.0	<5.0	<5.0	590	<50	<10	<10	<10	417.66	27.89	389.77
MW-5B	08/05/2008	140	470	<2.5	<5.0	<5.0	<5.0	430	<50	<10	<10	<10	417.66	32.21	385.45
MW-5B	11/17/2008	<50	1,100	<2.5	<5.0	<5.0	<5.0	830	<50	<10	<10	<10	417.66	35.25	382.41
MW-5B	02/05/2009	<50	1,100	<2.5	<5.0	<5.0	<5.0	1,000	<50	<10	<10	<10	417.66	34.94	382.72
MW-5B	05/07/2009	<50	680	<2.5	<5.0	<5.0	<5.0	780	<50	<10	<10	<10	417.66	28.58	389.08
MW-5B	08/20/2009	<50	800	<2.5	<5.0	<5.0	<5.0	840	<50	<10	<10	<10	417.66	32.66	385.00
MW-5B	11/10/2009	<50	790	<2.5	<5.0	<5.0	<5.0	750	<50	<10	<10	<10	417.66	34.64	383.02

TABLE 1

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-5B	02/15/2010	<50	710	<2.5	<5.0	<5.0	<5.0	730	<50	<10	<10	<10	417.66	30.20	387.46
MW-5B	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	417.66	27.39	390.27
MW-5B	05/07/2010	<50	230	<1.0	<2.0	<2.0	<2.0	330	<20	<4.0	<4.0	<4.0	417.66	26.13	391.53
MW-5B	08/09/2010	<50	310	<1.0	<2.0	<2.0	<2.0	360	<20	<4.0	<4.0	<4.0	417.66	30.31	387.35
MW-5B	11/08/2010	<50	340	<1.0	<2.0	<2.0	<2.0	370	<20	<4.0	<4.0	<4.0	417.66	24.80	392.86
MW-5B	01/25/2011	<480	120	<1.2	<1.2	<1.2	<2.5	210	200	<2.5	<2.5	<2.5	417.66	30.25	387.41
MW-5B	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	72	<10	<1.0	<1.0	<1.0	417.66	22.41	395.25
MW-5B	**07/26/2011**	**150 i**	**<50**	**0.70**	**0.84**	**0.61**	**2.0**	**26**	**<10**	**<1.0**	**<1.0**	**<1.0**	**417.66**	**24.17**	**393.49**
MW-5C	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	417.10	33.97	383.13
MW-5C	02/15/2008	<50	<50 f	<0.50	<1.0	<1.0	<1.0	360	97	<2.0	<2.0	<2.0	417.10	34.25	382.85
MW-5C	05/27/2008	<50	350	<2.5	<5.0	<5.0	<5.0	290	<50	<10	<10	<10	417.10	33.97	383.13
MW-5C	08/05/2008	<50	210	<1.0	<2.0	<2.0	<2.0	180	<20	<4.0	<4.0	<4.0	417.10	37.30	379.80
MW-5C	11/17/2008	<50	180	<1.0	<2.0	<2.0	<2.0	120	<20	<4.0	<4.0	<4.0	417.10	40.23	376.87
MW-5C	02/05/2009	<50	180	<1.0	<2.0	<2.0	<2.0	150	<20	<4.0	<4.0	<4.0	417.10	39.70	377.40
MW-5C	05/07/2009	<50	150	<1.0	<2.0	<2.0	<2.0	160	<20	<4.0	<4.0	<4.0	417.10	33.91	383.19
MW-5C	08/20/2009	<50	150	<1.0	<2.0	<2.0	<2.0	130	<20	<4.0	<4.0	<4.0	417.10	38.82	378.28
MW-5C	11/10/2009	<50	190	<1.0	<2.0	<2.0	<2.0	170	<20	<4.0	<4.0	<4.0	417.10	40.44	376.66
MW-5C	02/15/2010	<50	150	<0.50	<1.0	<1.0	<1.0	160	<10	<2.0	<2.0	<2.0	417.10	35.41	381.69
MW-5C	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	417.10	33.08	384.02
MW-5C	05/07/2010	<50	110	<0.50	<1.0	<1.0	<1.0	150	<10	<2.0	<2.0	<2.0	417.10	31.84	385.26
MW-5C	08/09/2010	<50	160	0.73	<1.0	<1.0	<1.0	190	<10	<2.0	<2.0	<2.0	417.10	35.79	381.31
MW-5C	11/08/2010	66 e	150	<0.50	<1.0	<1.0	<1.0	160	<10	<2.0	<2.0	<2.0	417.10	39.50	377.60
MW-5C	01/25/2011	<480	<50	<0.50	<0.50	<0.50	<1.0	83	91	<1.0	<1.0	<1.0	417.10	35.28	381.82
MW-5C	05/23/2011	<47	160 i	<0.50	<0.50	<0.50	<1.0	210	<10	<1.0	<1.0	<1.0	417.10	27.98	389.12
MW-5C	**07/26/2011**	**110 i**	**210 i**	**<0.50**	**0.59**	**<0.50**	**1.7**	**190**	**14 j**	**<1.0**	**<1.0**	**<1.0**	**417.10**	**28.64**	**388.46**
MW-6	02/28/2006	---	---	---	---	---	---	---	---	---	---	---	422.50	23.55	398.95
MW-6	03/03/2006	104 c	<50.0	<0.500	<0.500	<0.500	<0.500	4.93	<10.0	<0.500	<0.500	<0.500	422.50	23.30	399.20
MW-6	05/19/2006	<46.9 c	<50.0	<0.500	<0.500	<0.500	<0.500	5.76	<10.0	<0.500	<0.500	<0.500	422.50	20.31	402.19
MW-6	08/24/2006	<47.2	<50.0	<0.500	<0.500	<0.500	<0.500	0.870	<10.0	<0.500	<0.500	<0.500	422.50	23.69	398.81

TABLE 1

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-6	11/02/2006	---	---	---	---	---	---	---	---	---	---	---	422.50	28.51	393.99
MW-6	01/29/2007	<50	<50	<0.50	<0.50	<0.50	<1.0	1.7	<5.0	<2.0	<2.0	<2.0	422.50	27.08	395.42
MW-6	06/05/2007	97	<50 f	<0.50	<1.0	<1.0	<1.0	1.1	<10	<2.0	<2.0	<2.0	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	<50 f	<0.50	<1.0	<1.0	<1.0	9.0	<10	<2.0	<2.0	<2.0	422.50	25.56	396.94
MW-6	05/22/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-7	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	414.35	25.84	388.51
MW-7	08/24/2006	<47.2	<50.0	<0.500	<0.500	<0.500	<0.500	2.63	751	<0.500	<0.500	<0.500	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	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	414.35	26.93	387.42
MW-7	08/05/2008	Well dry	---	---	---	---	---	---	---	---	---	---	414.35	---	---
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	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	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		---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-8	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	414.54	23.02	391.52
MW-8	08/24/2006	74.5	110	<0.500	<0.500	<0.500	<0.500	4.62	6,610	<0.500	<0.500	<0.500	414.54	23.17	391.37
MW-8	11/02/2006	96	92	<0.50	<0.50	<0.50	<1.0	1.4	2,300	<2.0	<2.0	<2.0	414.54	27.69	386.85
MW-8	01/29/2007	<50	<50	<0.50	<0.50	<0.50	<1.0	0.51	350	<2.0	<2.0	<2.0	414.54	26.40	388.14
MW-8	06/05/2007	120	<50 f	<0.50	<1.0	<1.0	<1.0	0.48 g	290	<2.0	<2.0	<2.0	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	<50 f	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	414.54	24.66	389.88
MW-8	05/27/2008	<50	58	<0.50	<1.0	<1.0	<1.0	1.4	520	<2.0	<2.0	<2.0	414.54	25.98	388.56
MW-8	08/05/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	34	<2.0	<2.0	<2.0	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	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	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	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	414.54	25.93	388.61
MW-8	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	414.54	23.89	390.65
MW-8	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	15	<2.0	<2.0	<2.0	414.54	22.32	392.22
MW-8	08/09/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	1.5	510	<2.0	<2.0	<2.0	414.54	26.31	388.23
MW-8	11/08/2010	Well dry	---	---	---	---	---	---	---	---	---	---	414.54	---	---
MW-8	01/25/2011	<470	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	414.54	25.96	388.58
MW-8	05/23/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	2.0	600	<1.0	<1.0	<1.0	414.54	20.12	394.42
MW-8	**07/26/2011**	**<49**	**<200**	**<2.0**	**<2.0**	**<2.0**	**<4.0**	**5.4**	**2,800**	**<4.0**	**<4.0**	**<4.0**	**414.54**	**21.15**	**393.39**
MW-8B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	414.81	26.81	388.00
MW-8B	02/15/2008	<50	<50 f	<0.50	<1.0	<1.0	<1.0	17	65	<2.0	<2.0	<2.0	414.81	26.23	388.58
MW-8B	05/27/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	23	33	<2.0	<2.0	<2.0	414.81	25.51	389.30
MW-8B	08/05/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	11	<10	<2.0	<2.0	<2.0	414.81	28.72	386.09
MW-8B	11/17/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	6.3	<10	<2.0	<2.0	<2.0	414.81	31.66	383.15
MW-8B	02/05/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	5.4	<10	<2.0	<2.0	<2.0	414.81	30.97	383.84
MW-8B	05/07/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	6.4	<10	<2.0	<2.0	<2.0	414.81	25.92	388.89

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-8B	08/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	3.8	<10	<2.0	<2.0	<2.0	414.81	30.13	384.68
MW-8B	11/10/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	2.5	<10	<2.0	<2.0	<2.0	414.81	30.28	384.53
MW-8B	02/15/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	2.2	<10	<2.0	<2.0	<2.0	414.81	27.54	387.27
MW-8B	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	414.81	25.36	389.45
MW-8B	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	1.9	<10	<2.0	<2.0	<2.0	414.81	23.18	391.63
MW-8B	08/09/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	414.81	27.90	386.91
MW-8B	11/08/2010	58 e	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	414.81	31.22	383.59
MW-8B	01/25/2011	<500	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	414.81	27.44	387.37
MW-8B	05/23/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	1.4	<10	<1.0	<1.0	<1.0	414.81	21.18	393.63
MW-8B	**07/26/2011**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.4**	**<10**	**<1.0**	**<1.0**	**<1.0**	**414.81**	**21.65**	**393.16**
MW-9	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	412.69	27.75	384.94
MW-9	08/24/2006	69.9	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	86.8	<0.500	<0.500	<0.500	412.69	28.35	384.34
MW-9	11/02/2006	---	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	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	<10	<2.0	<2.0	<2.0	412.69	27.93	384.76
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	330 e	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	412.69	28.03	384.66
MW-9	11/08/2010	730 e	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	412.69	28.50	384.19

TABLE 1

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
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	100	626	1.04	<0.500	1.22	<0.500	12.4	5,740	<0.500	<0.500	<0.500	419.48	24.02	395.46
MW-10	11/02/2006	---	---	---	---	---	---	---	---	---	---	---	419.48	28.50	390.98
MW-10	01/29/2007	<50	91	<0.50	<0.50	<0.50	<1.0	4.9	1,900	<2.0	<2.0	<2.0	419.48	27.30	392.18
MW-10	06/05/2007	150	82 f	<0.50	<1.0	<1.0	<1.0	1.3	540	<2.0	<2.0	<2.0	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	<50 f	<0.50	<1.0	<1.0	<1.0	1.6	500	<2.0	<2.0	<2.0	419.48	25.58	393.90
MW-10	05/22/2008	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
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	---	---
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	---	---

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
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	<50 f	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	31.53	377.50
MW-11B	05/27/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	30.83	378.20
MW-11B	08/05/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	33.51	375.52
MW-11B	11/17/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	35.80	373.23
MW-11B	02/05/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	36.11	372.92
MW-11B	05/07/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	31.21	377.82
MW-11B	08/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	34.68	374.35
MW-11B	11/10/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	35.74	373.29
MW-11B	02/15/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	32.30	376.73
MW-11B	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	409.03	30.54	378.49
MW-11B	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	28.62	380.41
MW-11B	08/09/2010	<50	<50	5.6	<1.0	<1.0	1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	32.62	376.41
MW-11B	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	35.95	373.08
MW-11B	01/25/2011	<470	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	409.03	32.92	376.11
MW-11B	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	409.03	27.28	381.75
MW-11B	**07/26/2011**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**409.03**	**27.78**	**381.25**
MW-12	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	411.18	31.10	380.08
MW-12	02/15/2008	<50	<50 f	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	31.22	379.96
MW-12	05/27/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	30.53	380.65
MW-12	08/05/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	33.29	377.89
MW-12	11/17/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	35.20	375.98
MW-12	02/05/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	35.12	376.06
MW-12	05/07/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	30.81	380.37
MW-12	08/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	34.21	376.97

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-12	11/10/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	34.75	376.43
MW-12	02/15/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	31.99	379.19
MW-12	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	411.18	30.34	380.84
MW-12	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	28.58	382.60
MW-12	08/09/2010	<50	<50	6.0	<1.0	<1.0	1.2	<1.0	<10	<2.0	<2.0	<2.0	411.18	32.42	378.76
MW-12	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	35.18	376.00
MW-12	01/25/2011	<490	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	411.18	32.52	378.66
MW-12	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	411.18	27.10	384.08
MW-12	**07/26/2011**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**411.18**	**27.36**	**383.82**
MW-13	05/13/2011	---	---	---	---	---	---	---	---	---	---	---	415.77	24.60	391.17
MW-13	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	415.77	24.57	391.20
MW-13	**07/26/2011**	**<49**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**415.77**	**26.60**	**389.17**
MW-13B	05/13/2011	---	---	---	---	---	---	---	---	---	---	---	415.39	23.40	391.99
MW-13B	05/23/2011	210	<50	<0.50	<0.50	<0.50	<1.0	17	<10	<1.0	<1.0	<1.0	415.39	23.04	392.35
MW-13B	**07/26/2011**	**230**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**42**	**<10**	**<1.0**	**<1.0**	**<1.0**	**415.39**	**25.01**	**390.38**
MW-13C	05/13/2011	---	---	---	---	---	---	---	---	---	---	---	415.73	26.55	389.18
MW-13C	05/23/2011	52	94	<0.50	<0.50	<0.50	<1.0	140	44	<1.0	<1.0	<1.0	415.73	26.24	389.49
MW-13C	**07/26/2011**	**54**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**5.8**	**<10**	**<1.0**	**<1.0**	**<1.0**	**415.73**	**27.59**	**388.14**
MW-14B	05/11/2011	---	---	---	---	---	---	---	---	---	---	---	413.33	20.37	392.96
MW-14B	05/23/2011	58	<50	<0.50	<0.50	<0.50	<1.0	4.5	<10	<1.0	<1.0	<1.0	413.33	20.19	393.14
MW-14B	**07/26/2011**	**84**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**4.9**	**<10**	**<1.0**	**<1.0**	**<1.0**	**413.33**	**21.47**	**391.86**
MW-14C	05/11/2011	Well compromised during installation					---	---	---	---	---	---	413.48	---	---
MW-14C	05/23/2011	Well compromised during installation					---	---	---	---	---	---	413.48	---	---
MW-14C	**07/26/2011**	**81**	**<50**	**<0.50**	**0.71**	**<0.50**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**<1.0**	**413.10**	**21.51**	**391.59**
MW-14C	**09/09/2011**	**120**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**30**	**<10**	**<1.0**	**<1.0**	**<1.0**	**413.10**	**29.39**	**383.71**

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

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*

Notes:
TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015 with silica gel clean-up unless otherwise noted
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B unless otherwise noted
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol 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
TOC = Top of casing elevation, in feet relative to mean sea level
GW = Groundwater
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
<x = Not detected at reporting limit x
--- = Not analyzed or available

c = TPHd analyzed without silica gel clean-up.
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.
i = Hydrocarbon result partly due to individual peak(s) in quantitation range
j = Due to the low levels of analyte found in the sample, the analyte was qualitatively identified based on the presence of a single mass ion.

Site wells surveyed May 10, 2005 by Mid Coast Engineers
Well MW-6 surveyed March 3, 2006 by Mid Coast Engineers
Wells MW-1R and MW3R surveyed March 22, 2010 by Mid Coast Engineers
Wells MW-1R, MW-2R, MW-2RB, MW-2RC, MW-13, MW-13B, MW-13C, MW-14B, and MW-14C surveyed April 28, 2011 by Virgil Chavez Land Surveying
Well MW-14C surveyed September 12, 2011 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 110726-IW1 Date 7/26/11 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	0833	4					22.70	39.52		
MW-2R	0918	2					21.48	45.13		
MW-2RB	0911	2					23.40	68.16		
MW-2RC	0902	2					28.22	105.91		
MW-3R	0822	4					18.72	34.54		
MW-5	0826	4					22.87	28.55		
MW-5B	0854	4					24.17	66.73		
MW-5C	0850	4					28.64	98.74		
MW-8	0836	4					21.15	28.78		
MW-8B	0840	4					21.65	68.62		
MW-11B	0812	4					27.78	38.06		
MW-12	0818	4					27.36	38.72		
MW-13	0840	2					26.60	44.78		
MW-13B	0846	2					29.01	68.35		
MW-13C	0851	2					27.59	95.02		
MW-14B	0904	2					21.47	68.35		
MW-14C	0908	2					21.51	99.30		

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: (IW) CK	Date: 7/26/11
Well I.D.: MW-1R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.52	Depth to Water (DTW): 22.70
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.07	

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: _____

11.0 (Gals.) X	3	= 33.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1022	68.0	6.68	986	200	11.0	
1025	68.1	6.55	1006	171	22.0	
1027	68.2	6.56	998	>1000	33.0	DTW = 32.07

Did well dewater? Yes (No) Gallons actually evacuated: 33.0

Sampling Date: 7/26/11 Sampling Time: 1040 Depth to Water: 25.88

Sample I.D.: MW-1R Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, CK	Date: 7/26/11
Well I.D.: MW-2R	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 45.13	Depth to Water (DTW): 21.48
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]: 26.21	

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

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

3.8 (Gals.) X	3	=	11.4 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 (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1518	71.9	7.09	939	469	3.8	
1519	WELL DEWATERED @ 5.0			GALLONS.	5.0	40.22
1545	69.9	6.95	989	121	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: ~~3.8~~ 5.0

Sampling Date: 7/26/11 Sampling Time: 1545 Depth to Water: WAITED 24.35

Sample I.D.: MW-2R Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, CK	Date: 7/26/11
Well I.D.: MW-2RB	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 68.16	Depth to Water (DTW): 23.40
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.36	

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: _____

7.2 (Gals.) X 3 = 21.6 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
1234	69.9	7.32	869	>1000	7.2	
1239	70.1	6.86	904	810	14.4	
1245	70.5	6.84	905	~~807~~ 607	21.6	

Did well dewater? Yes (No) Gallons actually evacuated: 21.6

Sampling Date: 7/26/11 Sampling Time: 1250 Depth to Water: 27.73

Sample I.D.: MW-2RB Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-JW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: (JW), CK	Date: 7/26/11
Well I.D.: MW-2RC	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 105.91	Depth to Water (DTW): 28.22
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]: 43.76	

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: _____

12.5 (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
1218	68.6	7.44	1219	>1000	12.5	
1224	WELL DEWATERED @ 17.5			GALLONS	17.5	DTW = 104.91
1535	69.5	7.21	1189	208	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 17.5

Sampling Date: 7/26/11 Sampling Time: 1535 Depth to Water: 86.20 (WAITED 2-HOUR)

Sample I.D.: MW-2RC Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: (IW), CK	Date: 7/26/11
Well I.D.: MW-3R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.54	Depth to Water (DTW): 18.72
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]: 21.89	

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: _____

10.3 (Gals.) X	3	=	30.9 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
1106	66.7	~~6.10~~ 7.81	617	217	10.3	
1108	67.0	7.67	569	98	20.6	
1109	WELL DEWATERED @ 22.0			GALLONS.	22.0	DTW = 27.46
1125	67.3	7.52	544	112	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 22.0

Sampling Date: 7/26/11 Sampling Time: 1125 Depth to Water: 21.27

Sample I.D.: MW-3R Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, (CK)	Date: 7/26/11
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 28.55	Depth to Water (DTW): 22.87
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]: 24.01	

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

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

3.7 (Gals.) X	3	=	11.1 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
1042	68.6	6.58	1102	60	3.7	
1043	WELL	DEWATERED @	5.991	5.0	26.50 = DTW	
1136	70.1	6.64	1103	22	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 5.0

Sampling Date: 7/26/11 Sampling Time: 11:39 Depth to Water: 23.65

Sample I.D.: MW-5 Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, (CR)	Date: 7/26/11
Well I.D.: MW-5B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 66.73	Depth to Water (DTW): 24.17
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.68	

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: _____

27.7 (Gals.) X	3	=	83.1 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
1058	69.6	7.12	1049	75	27.7	
1106	70.0	7.11	1053	35	55.4	
1113	70.1	7.12	1051	17	83.1	

Did well dewater? Yes (No) Gallons actually evacuated: 83.1

Sampling Date: 7/26/11 Sampling Time: 1122 Depth to Water: 32.48

Sample I.D.: MW-5B Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, (CK)	Date: 7/26/11
Well I.D.: MW- 5C	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 98.74	Depth to Water (DTW): 28.64
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]: 42.66	

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: _____

45.6 (Gals.) X	3	= 136.8 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
1428	71.0	7.29	1189	709	45.6	
1432	WELL	DEWATERED		57 gal	57.0	DTW: 95.89
1540	69.8	7.27	1182	376	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 57.0

Sampling Date: 7/26/11 Sampling Time: 1540 Depth to Water: 42.24

Sample I.D.: MW- 5C Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, (CK)	Date: 7/26/11
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 28.78	Depth to Water (DTW): 21.15
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]: 22.68	

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: _____

5.0 (Gals.) X 3 = 15.0 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
0945	68.0	7.32	760	75	5.0	
0946	67.8	6.99	745	125	10.0	
0946	WELL	DEWATERED @	11 gal		11.0	DTW = 26.10
1024	65.5	7.06	754	39	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 11.0

Sampling Date: 7/26/11 Sampling Time: 1025 Depth to Water: 21.60

Sample I.D.: MW-8 Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, (CK)	Date: 7/26/11
Well I.D.: MW- 8B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 68.62	Depth to Water (DTW): 21.65
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]: 31.04	

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: _____

30.5 (Gals.) X	3	= 91.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1002	67.2	7.22	797	22	30.5	
1010	66.9	7.19	803	98	61.0	
1014	WELL	DEWATERED @		75 gal	75.0	DTW = 66.32
1444	69.7	7.28	782	165	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 75.0

Sampling Date: 7/26/11 Sampling Time: 1444 Depth to Water: 22.70

Sample I.D.: MW- 8B Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-JW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: (JW), CLC	Date: 7/26/11
Well I.D.: MW-11B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 38.06	Depth to Water (DTW): 27.78
Depth to Free Product: ___	Thickness of Free Product (feet): ___
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.84	

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: ___

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
0932	68.8	7.24	665	138	6.7	
0934	68.3	6.76	662	122	13.4	
0936	68.4	6.72	658	185	20.1	DTW = 31.08

Did well dewater? Yes (No) Gallons actually evacuated: 20.1

Sampling Date: 7/26/11 Sampling Time: 0940 Depth to Water: 29.55

Sample I.D.: MW-11B Laboratory: (Test America) Other ___

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: (IW), CLC	Date: 7/26/11
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 38.72	Depth to Water (DTW): 27.36
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]: 29.64	

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: ___

1 Case Volume	Specified Volumes	Calculated Volume
7.4 (Gals.) X	3 =	22.2 Gals.

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
0956	68.3	6.70	616	162	7.4	
0958	68.4	6.59	639	218	14.8	
1000	67.9	6.61	636	390	22.2	DTW= 33.02

Did well dewater? Yes (No)	Gallons actually evacuated: 22.2
Sampling Date: 7/26/11 Sampling Time: 1010	Depth to Water: 29.59
Sample I.D.: MW-12	Laboratory: (Test America) Other ___
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other: SEE COC
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-JW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: JW, CLC	Date: 7/26/11
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 44.78	Depth to Water (DTW): 26.60
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.24	

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

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

3.0 (Gals.) X	3	=	9.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1139	67.7	6.89	1052	>1000	3.0	
1144	68.1	6.60	1059	762	6.0	
1149	68.3	6.59	1057	711	9.0	

Did well dewater? Yes (No) Gallons actually evacuated: 9.0

Sampling Date: 7/26/11 Sampling Time: 1155 Depth to Water: 26.89

Sample I.D.: MW-13 Laboratory: (Test America) Other____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: (IW), CK	Date: 7/26/11
Well I.D.: MW-13B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 68.35	Depth to Water (DTW): 25.01
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]: 33.68	

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: ___

7.0 (Gals.) X	3	= 21.0 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
1316	70.5	7.29	1173	>1000	7.0	
1328	69.6	7.22	1159	926	14.0	
1340	70.4	7.18	1155	707	21.0	

Did well dewater? Yes (No) Gallons actually evacuated: 21.0

Sampling Date: 7/26/11 Sampling Time: 1350 Depth to Water: 32.10

Sample I.D.: MW-13B Laboratory: (Test America) Other ___

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: (IW), CK	Date: 7/26/11
Well I.D.: MW-13C	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 95.02	Depth to Water (DTW): 27.59
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]: 41.08	

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:_____

10.8 (Gals.) X	3	= 32.4 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 (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1422	69.8	7.09	1248	>1000	10.8	
1437	70.7	6.86	1261	>1000	21.6	
1448	70.9	6.84	1270	843	32.4	

Did well dewater? Yes (No) Gallons actually evacuated: 32.4

Sampling Date: 7/26/11 Sampling Time: 1505 Depth to Water: 40.62

Sample I.D.: MW-13C Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, (CG)	Date: 7/26/11
Well I.D.: MW-14B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 68.35	Depth to Water (DTW): 21.47
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.85	

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: _____

7.5 (Gals.) X	3	= 22.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1220	70.6	7.35	881	>1000	7.5	
1231	70.8	7.28	895	480	15.0	
1240	70.9	7.26	984	340	22.5	

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 7/26/11 Sampling Time: 1244 Depth to Water: 27.85

Sample I.D.: MW-14B Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110726-IW1	Site: 8999 SAN RAMON RD., DUBLIN, CA
Sampler: IW, (CK)	Date: 7/26/11
Well I.D.: MW- 14C	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 99.30	Depth to Water (DTW): 21.51
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.07	

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: _____

12.45 (Gals.) X	3	=	37.35 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
1330	70.7	7.85	945	>1000	12.5	
1358	70.9	7.90	1010	>1000	25.0	
1359	VOLUME	DEWATERED @	26 gal	26.0		
1500	70.1	9.22	235	641	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 26.0

Sampling Date: 7/26/11 Sampling Time: 1500 Depth to Water: 27.94

Sample I.D.: MW- 14C Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 8999 SAN RAMON RD., DUBLIN, CA Date 7/26/11

Job Number 110726-IW1 Technician IW, CK 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								NO TAG.
MW-2R	X								NO TAG.
MW-2RB	X								NO TAG.
MW-2RC	X								NO TAG.
MW-3R	X	X							
MW-5	X	X							
MW-5B	X	X							
MW-5C	X	X							TAG DETACHED FROM WELL BOX.
MW-8	X	X							
MW-8B	X	X							
MW-11B	X	X	X						
MW-12	X	X							
MW-13	X								NO TAG.
MW-13B	X								NO TAG.
MW-13C	X								NO TAG.
MW-14B	X								NO TAG.
MW-14C	X				X				NO TAG.

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

Notes:

WELL GAUGING DATA

Project # 110909-MW2 Date 9/9/11 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-14C	1125	2					29.39	100.38	TOC	
	* DOUBLE CHECKED				DTB.					

SHELL WELL MONITORING DATA SHEET

BTS #: 11909 -MW2	Site: 8999 SAN RAMON RD, DUBLIN, CA
Sampler: MW	Date: 9/9/11
Well I.D.: MW-14C	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 100.38	Depth to Water (DTW): 29.39
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]: 43.59	

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

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

11.4 (Gals.) X	3	= 34.2 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1204	74.2	7.36	1225	>1000	11.4	
1216	72.6	7.54	1206	>1000	22.8	
1226	71.3	7.61	1198	346	34.2	

Did well dewater? Yes (No) Gallons actually evacuated: 34.2

Sampling Date: 9/9/11 Sampling Time: 1240 Depth to Water: 38.70

Sample I.D.: MW-14C 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 9/9/11

Job Number 110909-WW2 Technician WW 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-14C	X								NO TAG

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

Notes:

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: 07/26/11
Received: 07/28/11
Issued: 08/05/11 10:06

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(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IUG2682-01	MW-1R	Water
IUG2682-02	MW-2R	Water
IUG2682-03	MW-2RB	Water
IUG2682-04	MW-2RC	Water
IUG2682-05	MW-3R	Water
IUG2682-06	MW-5	Water
IUG2682-07	MW-5B	Water
IUG2682-08	MW-5C	Water
IUG2682-09	MW-8	Water
IUG2682-10	MW-8B	Water
IUG2682-11	MW-11B	Water
IUG2682-12	MW-12	Water
IUG2682-13	MW-13	Water
IUG2682-14	MW-13B	Water
IUG2682-15	MW-13C	Water
IUG2682-16	MW-14B	Water
IUG2682-17	MW-14C	Water

Reviewed By:

Philip Sanelle

TestAmerica Irvine

Philip Sanelle
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: IUG2682

Sampled: 07/26/11
Received: 07/28/11

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: IUG2682-01 (MW-1R - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	48	ND	0.952	8/2/2011	8/2/2011	
Surrogate: n-Octacosane (45-120%)				*70 %*				
Sample ID: IUG2682-02 (MW-2R - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	48	**64**	0.962	8/2/2011	8/2/2011	
Surrogate: n-Octacosane (45-120%)				*74 %*				
Sample ID: IUG2682-03 (MW-2RB - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	48	**69**	0.952	8/2/2011	8/2/2011	
Surrogate: n-Octacosane (45-120%)				*72 %*				
Sample ID: IUG2682-04 (MW-2RC - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	49	ND	0.971	8/2/2011	8/2/2011	
Surrogate: n-Octacosane (45-120%)				*81 %*				
Sample ID: IUG2682-05 (MW-3R - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	47	ND	0.943	8/2/2011	8/2/2011	
Surrogate: n-Octacosane (45-120%)				*75 %*				
Sample ID: IUG2682-06 (MW-5 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	50	ND	0.99	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*62 %*				
Sample ID: IUG2682-07 (MW-5B - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	50	**150**	0.99	8/2/2011	8/3/2011	QP1
Surrogate: n-Octacosane (45-120%)				*71 %*				
Sample ID: IUG2682-08 (MW-5C - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	48	**110**	0.962	8/2/2011	8/3/2011	QP1
Surrogate: n-Octacosane (45-120%)				*81 %*				

TestAmerica Irvine

Philip Sanelle
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: IUG2682

Sampled: 07/26/11
Received: 07/28/11

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: IUG2682-09 (MW-8 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	49	ND	0.971	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*78 %*				
Sample ID: IUG2682-10 (MW-8B - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	48	ND	0.962	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*83 %*				
Sample ID: IUG2682-11 (MW-11B - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	48	ND	0.952	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*75 %*				
Sample ID: IUG2682-12 (MW-12 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	48	ND	0.952	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*85 %*				
Sample ID: IUG2682-13 (MW-13 - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	49	ND	0.971	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*72 %*				
Sample ID: IUG2682-14 (MW-13B - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	49	**230**	0.971	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*70 %*				
Sample ID: IUG2682-15 (MW-13C - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	49	**54**	0.971	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*83 %*				
Sample ID: IUG2682-16 (MW-14B - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	50	**84**	0.99	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*70 %*				

TestAmerica Irvine

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Project Manager

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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: IUG2682

Sampled: 07/26/11
Received: 07/28/11

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: IUG2682-17 (MW-14C - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11H0282	50	**81**	0.99	8/2/2011	8/3/2011	
Surrogate: n-Octacosane (45-120%)				*63 %*				

TestAmerica Irvine

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUG2682

Sampled: 07/26/11
Received: 07/28/11

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: IUG2682-01 (MW-1R - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0173	200	**210**	4	8/2/2011	8/3/2011	QP1
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				
Sample ID: IUG2682-02 (MW-2R - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0186	50	**370**	1	8/2/2011	8/2/2011	
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Sample ID: IUG2682-03 (MW-2RB - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0186	50	**59**	1	8/2/2011	8/2/2011	
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Sample ID: IUG2682-04 (MW-2RC - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0186	50	**69**	1	8/2/2011	8/2/2011	
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Sample ID: IUG2682-05 (MW-3R - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0186	50	ND	1	8/2/2011	8/2/2011	
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Sample ID: IUG2682-06 (MW-5 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0186	50	ND	1	8/2/2011	8/2/2011	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUG2682

Sampled: 07/26/11
Received: 07/28/11

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: IUG2682-07 (MW-5B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0186	50	ND	1	8/2/2011	8/2/2011	
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Sample ID: IUG2682-08 (MW-5C - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0186	50	**210**	1	8/2/2011	8/2/2011	QP1
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Sample ID: IUG2682-09 (MW-8 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0355	200	ND	4	8/3/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Sample ID: IUG2682-10 (MW-8B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0173	50	ND	1	8/2/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IUG2682-11 (MW-11B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0173	50	ND	1	8/2/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IUG2682-12 (MW-12 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0173	50	ND	1	8/2/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUG2682

Sampled: 07/26/11
Received: 07/28/11

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: IUG2682-13 (MW-13 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0173	50	ND	1	8/2/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IUG2682-14 (MW-13B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0173	50	ND	1	8/2/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
Sample ID: IUG2682-15 (MW-13C - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0173	50	ND	1	8/2/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IUG2682-16 (MW-14B - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0173	50	ND	1	8/2/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IUG2682-17 (MW-14C - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11H0355	50	ND	1	8/3/2011	8/3/2011	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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Report Number: IUG2682

Sampled: 07/26/11
Received: 07/28/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-01 (MW-1R - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0173	2.0	ND	4	8/2/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0173	2.0	ND	4	8/2/2011	8/3/2011	
Toluene	EPA 8260B	11H0173	2.0	ND	4	8/2/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0173	4.0	ND	4	8/2/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0173	4.0	ND	4	8/2/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0173	4.0	ND	4	8/2/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0173	4.0	ND	4	8/2/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0173	4.0	ND	4	8/2/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0173	40	**4500**	4	8/2/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Sample ID: IUG2682-02 (MW-2R - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Ethylbenzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Toluene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Xylenes, Total	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Butanol (TBA)	EPA 8260B	11H0186	10	**1200**	1	8/2/2011	8/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Surrogate: Dibromofluoromethane (80-120%)				*107 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
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Sampled: 07/26/11
Received: 07/28/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-03 (MW-2RB - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Ethylbenzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Toluene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Xylenes, Total	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0186	1.0	**28**	1	8/2/2011	8/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Butanol (TBA)	EPA 8260B	11H0186	10	ND	1	8/2/2011	8/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Sample ID: IUG2682-04 (MW-2RC - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Ethylbenzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Toluene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Xylenes, Total	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0186	1.0	**32**	1	8/2/2011	8/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Butanol (TBA)	EPA 8260B	11H0186	10	ND	1	8/2/2011	8/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
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Sampled: 07/26/11
Received: 07/28/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-05 (MW-3R - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Ethylbenzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Toluene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Xylenes, Total	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Butanol (TBA)	EPA 8260B	11H0186	10	ND	1	8/2/2011	8/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Sample ID: IUG2682-06 (MW-5 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Ethylbenzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Toluene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Xylenes, Total	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0186	1.0	**1.4**	1	8/2/2011	8/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Butanol (TBA)	EPA 8260B	11H0186	10	ND	1	8/2/2011	8/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Sampled: 07/26/11
Received: 07/28/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-07 (MW-5B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0186	0.50	**0.70**	1	8/2/2011	8/2/2011	
Ethylbenzene	EPA 8260B	11H0186	0.50	**0.61**	1	8/2/2011	8/2/2011	
Toluene	EPA 8260B	11H0186	0.50	**0.84**	1	8/2/2011	8/2/2011	
Xylenes, Total	EPA 8260B	11H0186	1.0	**2.0**	1	8/2/2011	8/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0186	1.0	**26**	1	8/2/2011	8/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Butanol (TBA)	EPA 8260B	11H0186	10	ND	1	8/2/2011	8/2/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Sample ID: IUG2682-08 (MW-5C - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Ethylbenzene	EPA 8260B	11H0186	0.50	ND	1	8/2/2011	8/2/2011	
Toluene	EPA 8260B	11H0186	0.50	**0.59**	1	8/2/2011	8/2/2011	
Xylenes, Total	EPA 8260B	11H0186	1.0	**1.7**	1	8/2/2011	8/2/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0186	1.0	**190**	1	8/2/2011	8/2/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0186	1.0	ND	1	8/2/2011	8/2/2011	
tert-Butanol (TBA)	EPA 8260B	11H0186	10	**14**	1	8/2/2011	8/2/2011	ID
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
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Sampled: 07/26/11
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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-09 (MW-8 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0355	2.0	ND	4	8/3/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0355	2.0	ND	4	8/3/2011	8/3/2011	
Toluene	EPA 8260B	11H0355	2.0	ND	4	8/3/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0355	4.0	ND	4	8/3/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0355	4.0	ND	4	8/3/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0355	4.0	ND	4	8/3/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0355	4.0	**5.4**	4	8/3/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0355	4.0	ND	4	8/3/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0355	40	**2800**	4	8/3/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Sample ID: IUG2682-10 (MW-8B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Toluene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0173	1.0	**1.4**	1	8/2/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0173	10	ND	1	8/2/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUG2682

Sampled: 07/26/11
Received: 07/28/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-11 (MW-11B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Toluene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0173	10	ND	1	8/2/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Sample ID: IUG2682-12 (MW-12 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Toluene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0173	10	ND	1	8/2/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-13 (MW-13 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Toluene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0173	10	ND	1	8/2/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Sample ID: IUG2682-14 (MW-13B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Toluene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0173	1.0	**42**	1	8/2/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0173	10	ND	1	8/2/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-15 (MW-13C - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Toluene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0173	1.0	**5.8**	1	8/2/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0173	10	ND	1	8/2/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Sample ID: IUG2682-16 (MW-14B - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Toluene	EPA 8260B	11H0173	0.50	ND	1	8/2/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0173	1.0	**4.9**	1	8/2/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0173	1.0	ND	1	8/2/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0173	10	ND	1	8/2/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUG2682-17 (MW-14C - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11H0355	0.50	ND	1	8/3/2011	8/3/2011	
Ethylbenzene	EPA 8260B	11H0355	0.50	ND	1	8/3/2011	8/3/2011	
Toluene	EPA 8260B	11H0355	0.50	**0.71**	1	8/3/2011	8/3/2011	
Xylenes, Total	EPA 8260B	11H0355	1.0	ND	1	8/3/2011	8/3/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11H0355	1.0	ND	1	8/3/2011	8/3/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11H0355	1.0	ND	1	8/3/2011	8/3/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11H0355	1.0	ND	1	8/3/2011	8/3/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11H0355	1.0	ND	1	8/3/2011	8/3/2011	
tert-Butanol (TBA)	EPA 8260B	11H0355	10	ND	1	8/3/2011	8/3/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				

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Report Number: IUG2682

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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: 11H0282 Extracted: 08/02/11										
Blank Analyzed: 08/02/2011 (11H0282-BLK1)										
DRO (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*170*		*ug/l*	*200*		*85*	*45-120*			
LCS Analyzed: 08/02/2011 (11H0282-BS1)										**MNR1**
DRO (C10-C28)	723	50	ug/l	1000		72	40-115			
Surrogate: n-Octacosane	*162*		*ug/l*	*200*		*81*	*45-120*			
LCS Dup Analyzed: 08/02/2011 (11H0282-BSD1)										
DRO (C10-C28)	725	50	ug/l	1000		73	40-115	0.3	25	
Surrogate: n-Octacosane	*159*		*ug/l*	*200*		*80*	*45-120*			

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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: 11H0173 Extracted: 08/02/11										
Blank Analyzed: 08/02/2011 (11H0173-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*103*	*80-120*			
LCS Analyzed: 08/02/2011 (11H0173-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	459	50	ug/l	500		92	55-130			
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Matrix Spike Analyzed: 08/02/2011 (11H0173-MS1)					**Source: IUG2578-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1520	50	ug/l	1720	ND	88	50-145			
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 08/02/2011 (11H0173-MSD1)					**Source: IUG2578-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1480	50	ug/l	1720	ND	86	50-145	3	20	
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Batch: 11H0186 Extracted: 08/02/11										
Blank Analyzed: 08/02/2011 (11H0186-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			

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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: 11H0186 Extracted: 08/02/11										
LCS Analyzed: 08/02/2011 (11H0186-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	462	50	ug/l	500		92	55-130			
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Analyzed: 08/02/2011 (11H0186-MS1)					**Source: IUG2623-08**					
Volatile Fuel Hydrocarbons (C4-C12)	1860	50	ug/l	1720	280	92	50-145			
Surrogate: Dibromofluoromethane	*25.4*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 08/02/2011 (11H0186-MSD1)					**Source: IUG2623-08**					
Volatile Fuel Hydrocarbons (C4-C12)	2010	50	ug/l	1720	280	100	50-145	8	20	
Surrogate: Dibromofluoromethane	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Batch: 11H0355 Extracted: 08/03/11										
Blank Analyzed: 08/03/2011 (11H0355-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
LCS Analyzed: 08/03/2011 (11H0355-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	466	50	ug/l	500		93	55-130			
Surrogate: Dibromofluoromethane	*22.0*		*ug/l*	*25.0*		*88*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			

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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: 11H0355 Extracted: 08/03/11										
Matrix Spike Analyzed: 08/03/2011 (11H0355-MS1)					**Source: IUG2706-01**					
Volatile Fuel Hydrocarbons (C4-C12)	2060	50	ug/l	1720	498	91	50-145			
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 08/03/2011 (11H0355-MSD1)					**Source: IUG2706-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1970	50	ug/l	1720	498	85	50-145	4	20	
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

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Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUG2682

Sampled: 07/26/11
Received: 07/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0173 Extracted: 08/02/11										
Blank Analyzed: 08/02/2011 (11H0173-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	*25.6*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
LCS Analyzed: 08/02/2011 (11H0173-BS1)										
Benzene	26.4	0.50	ug/l	25.0		106	70-120			
Ethylbenzene	28.8	0.50	ug/l	25.0		115	75-125			
Toluene	27.7	0.50	ug/l	25.0		111	70-120			
m,p-Xylenes	53.5	1.0	ug/l	50.0		107	75-125			
o-Xylene	27.9	0.50	ug/l	25.0		112	75-125			
Xylenes, Total	81.5	1.0	ug/l	75.0		109	70-125			
Di-isopropyl Ether (DIPE)	25.5	1.0	ug/l	25.0		102	60-135			
Ethyl tert-Butyl Ether (ETBE)	23.9	1.0	ug/l	25.0		96	65-135			
Methyl-tert-butyl Ether (MTBE)	23.3	1.0	ug/l	25.0		93	60-135			
tert-Amyl Methyl Ether (TAME)	24.7	1.0	ug/l	25.0		99	60-135			
tert-Butanol (TBA)	133	10	ug/l	125		106	70-135			
Surrogate: 4-Bromofluorobenzene	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*22.7*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0173 Extracted: 08/02/11										
Matrix Spike Analyzed: 08/02/2011 (11H0173-MS1)					**Source: IUG2578-01**					
Benzene	26.1	0.50	ug/l	25.0	ND	104	65-125			
Ethylbenzene	27.9	0.50	ug/l	25.0	ND	112	65-130			
Toluene	27.5	0.50	ug/l	25.0	ND	110	70-125			
m,p-Xylenes	51.7	1.0	ug/l	50.0	ND	103	65-130			
o-Xylene	26.9	0.50	ug/l	25.0	ND	107	65-125			
Xylenes, Total	78.5	1.0	ug/l	75.0	ND	105	60-130			
Di-isopropyl Ether (DIPE)	27.0	1.0	ug/l	25.0	ND	108	60-140			
Ethyl tert-Butyl Ether (ETBE)	25.7	1.0	ug/l	25.0	ND	103	60-135			
Methyl-tert-butyl Ether (MTBE)	24.6	1.0	ug/l	25.0	ND	98	55-145			
tert-Amyl Methyl Ether (TAME)	26.3	1.0	ug/l	25.0	ND	105	60-140			
tert-Butanol (TBA)	207	10	ug/l	125	63.0	115	65-140			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Matrix Spike Dup Analyzed: 08/02/2011 (11H0173-MSD1)					**Source: IUG2578-01**					
Benzene	25.5	0.50	ug/l	25.0	ND	102	65-125	2	20	
Ethylbenzene	27.0	0.50	ug/l	25.0	ND	108	65-130	3	20	
Toluene	26.6	0.50	ug/l	25.0	ND	106	70-125	3	20	
m,p-Xylenes	49.1	1.0	ug/l	50.0	ND	98	65-130	5	25	
o-Xylene	26.3	0.50	ug/l	25.0	ND	105	65-125	2	20	
Xylenes, Total	75.3	1.0	ug/l	75.0	ND	100	60-130	4	20	
Di-isopropyl Ether (DIPE)	26.4	1.0	ug/l	25.0	ND	106	60-140	2	25	
Ethyl tert-Butyl Ether (ETBE)	24.9	1.0	ug/l	25.0	ND	100	60-135	3	25	
Methyl-tert-butyl Ether (MTBE)	23.9	1.0	ug/l	25.0	ND	96	55-145	3	25	
tert-Amyl Methyl Ether (TAME)	25.5	1.0	ug/l	25.0	ND	102	60-140	3	30	
tert-Butanol (TBA)	200	10	ug/l	125	63.0	110	65-140	3	25	
Surrogate: 4-Bromofluorobenzene	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			

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Received: 07/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0186 Extracted: 08/02/11										
Blank Analyzed: 08/02/2011 (11H0186-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	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
LCS Analyzed: 08/02/2011 (11H0186-BS1)										
Benzene	24.1	0.50	ug/l	25.0		96	70-120			
Ethylbenzene	27.1	0.50	ug/l	25.0		109	75-125			
Toluene	26.0	0.50	ug/l	25.0		104	70-120			
m,p-Xylenes	58.0	1.0	ug/l	50.0		116	75-125			
o-Xylene	28.8	0.50	ug/l	25.0		115	75-125			
Xylenes, Total	86.8	1.0	ug/l	75.0		116	70-125			
Di-isopropyl Ether (DIPE)	25.9	1.0	ug/l	25.0		104	60-135			
Ethyl tert-Butyl Ether (ETBE)	29.0	1.0	ug/l	25.0		116	65-135			
Methyl-tert-butyl Ether (MTBE)	26.4	1.0	ug/l	25.0		106	60-135			
tert-Amyl Methyl Ether (TAME)	28.8	1.0	ug/l	25.0		115	60-135			
tert-Butanol (TBA)	152	10	ug/l	125		122	70-135			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0186 Extracted: 08/02/11										
Matrix Spike Analyzed: 08/02/2011 (11H0186-MS1)					**Source: IUG2623-08**					
Benzene	22.4	0.50	ug/l	25.0	0.550	88	65-125			
Ethylbenzene	24.9	0.50	ug/l	25.0	ND	100	65-130			
Toluene	24.1	0.50	ug/l	25.0	ND	96	70-125			
m,p-Xylenes	53.3	1.0	ug/l	50.0	ND	107	65-130			
o-Xylene	26.5	0.50	ug/l	25.0	ND	106	65-125			
Xylenes, Total	79.8	1.0	ug/l	75.0	ND	106	60-130			
Di-isopropyl Ether (DIPE)	23.5	1.0	ug/l	25.0	ND	94	60-140			
Ethyl tert-Butyl Ether (ETBE)	25.8	1.0	ug/l	25.0	ND	103	60-135			
Methyl-tert-butyl Ether (MTBE)	24.4	1.0	ug/l	25.0	0.320	96	55-145			
tert-Amyl Methyl Ether (TAME)	25.7	1.0	ug/l	25.0	ND	103	60-140			
tert-Butanol (TBA)	130	10	ug/l	125	ND	104	65-140			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*25.4*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 08/02/2011 (11H0186-MSD1)					**Source: IUG2623-08**					
Benzene	24.2	0.50	ug/l	25.0	0.550	95	65-125	8	20	
Ethylbenzene	26.6	0.50	ug/l	25.0	ND	106	65-130	7	20	
Toluene	25.5	0.50	ug/l	25.0	ND	102	70-125	6	20	
m,p-Xylenes	56.5	1.0	ug/l	50.0	ND	113	65-130	6	25	
o-Xylene	27.8	0.50	ug/l	25.0	ND	111	65-125	5	20	
Xylenes, Total	84.3	1.0	ug/l	75.0	ND	112	60-130	5	20	
Di-isopropyl Ether (DIPE)	25.6	1.0	ug/l	25.0	ND	102	60-140	9	25	
Ethyl tert-Butyl Ether (ETBE)	28.6	1.0	ug/l	25.0	ND	114	60-135	10	25	
Methyl-tert-butyl Ether (MTBE)	26.5	1.0	ug/l	25.0	0.320	105	55-145	8	25	
tert-Amyl Methyl Ether (TAME)	28.3	1.0	ug/l	25.0	ND	113	60-140	10	30	
tert-Butanol (TBA)	141	10	ug/l	125	ND	113	65-140	8	25	
Surrogate: 4-Bromofluorobenzene	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

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Received: 07/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0355 Extracted: 08/03/11										
Blank Analyzed: 08/03/2011 (11H0355-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	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
LCS Analyzed: 08/03/2011 (11H0355-BS1)										
Benzene	25.9	0.50	ug/l	25.0		104	70-120			
Ethylbenzene	28.9	0.50	ug/l	25.0		116	75-125			
Toluene	27.2	0.50	ug/l	25.0		109	70-120			
m,p-Xylenes	53.1	1.0	ug/l	50.0		106	75-125			
o-Xylene	27.2	0.50	ug/l	25.0		109	75-125			
Xylenes, Total	80.3	1.0	ug/l	75.0		107	70-125			
Di-isopropyl Ether (DIPE)	25.1	1.0	ug/l	25.0		100	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.8	1.0	ug/l	25.0		91	65-135			
Methyl-tert-butyl Ether (MTBE)	21.5	1.0	ug/l	25.0		86	60-135			
tert-Amyl Methyl Ether (TAME)	22.5	1.0	ug/l	25.0		90	60-135			
tert-Butanol (TBA)	134	10	ug/l	125		107	70-135			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*22.4*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11H0355 Extracted: 08/03/11										
Matrix Spike Analyzed: 08/03/2011 (11H0355-MS1)					**Source: IUG2706-01**					
Benzene	25.3	0.50	ug/l	25.0	ND	101	65-125			
Ethylbenzene	26.2	0.50	ug/l	25.0	0.410	103	65-130			
Toluene	26.0	0.50	ug/l	25.0	ND	104	70-125			
m,p-Xylenes	46.7	1.0	ug/l	50.0	ND	93	65-130			
o-Xylene	25.1	0.50	ug/l	25.0	ND	100	65-125			
Xylenes, Total	71.8	1.0	ug/l	75.0	ND	96	60-130			
Di-isopropyl Ether (DIPE)	28.1	1.0	ug/l	25.0	ND	113	60-140			
Ethyl tert-Butyl Ether (ETBE)	26.3	1.0	ug/l	25.0	ND	105	60-135			
Methyl-tert-butyl Ether (MTBE)	25.5	1.0	ug/l	25.0	ND	102	55-145			
tert-Amyl Methyl Ether (TAME)	26.9	1.0	ug/l	25.0	ND	108	60-140			
tert-Butanol (TBA)	125	10	ug/l	125	ND	100	65-140			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Matrix Spike Dup Analyzed: 08/03/2011 (11H0355-MSD1)					**Source: IUG2706-01**					
Benzene	24.7	0.50	ug/l	25.0	ND	99	65-125	2	20	
Ethylbenzene	26.2	0.50	ug/l	25.0	0.410	103	65-130	0	20	
Toluene	25.8	0.50	ug/l	25.0	ND	103	70-125	1	20	
m,p-Xylenes	47.1	1.0	ug/l	50.0	ND	94	65-130	0.9	25	
o-Xylene	25.1	0.50	ug/l	25.0	ND	100	65-125	0.04	20	
Xylenes, Total	72.2	1.0	ug/l	75.0	ND	96	60-130	0.6	20	
Di-isopropyl Ether (DIPE)	26.2	1.0	ug/l	25.0	ND	105	60-140	7	25	
Ethyl tert-Butyl Ether (ETBE)	24.6	1.0	ug/l	25.0	ND	98	60-135	7	25	
Methyl-tert-butyl Ether (MTBE)	23.0	1.0	ug/l	25.0	ND	92	55-145	10	25	
tert-Amyl Methyl Ether (TAME)	24.8	1.0	ug/l	25.0	ND	99	60-140	8	30	
tert-Butanol (TBA)	131	10	ug/l	125	ND	105	65-140	4	25	
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			

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DATA QUALIFIERS AND DEFINITIONS

ID Due to the low levels of analyte found in the sample, the analyte was qualitatively identified based on the compound's retention time and the presence of a single mass ion.

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

QP1 Hydrocarbon result partly due to individual peak(s) in quantitation range.

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.

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: IUG2682

Sampled: 07/26/11
Received: 07/28/11

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 Houston (_____)
- ☐ 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: 135244 Peter Schaefer
PO #: 40-40373973
INCIDENT # (ENV SERVICES): 97565995
☐ CHECK IF NO INCIDENT # APPLIES
SAP #:
DATE: 7/26/11
PAGE: 1 of 2

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, CA
PHONE NO.: 510-420-3343
E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com
CONSULTANT PROJECT NO.: 110726-IW1
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King
TELEPHONE: (310) 885-4466 x 108
FAX: (310) 637-5802
E-MAIL: lking@blainetech.com
SAMPLER NAME(S) (Print): IAN WILLIAMS, COREY KILPATRICK
LAB USE ONLY: I0626502

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:
1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website http://cralabedduplod.craworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell.Lab.Billing@craworld.com, ShellEDF@craworld.com,Shell-US-LabDataManagement@CRAworld.com, and esyrstad@CRAWorld.com

Email invoice 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

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG	110726-IW1	072611	IW	MW-1R	1040	WG	3			2		5	X	X				X							
				IW	MW-2R	1545	WG	3			2		5	X	X				X							
				IW	MW-2RB	1250	WG	3			2		5	X	X				X							
				IW	MW-2RC	1535	WG	3			2		5	X	X				X							
				IW	MW-3R	1125	WG	3			2		5	X	X				X							
				CK	MW-5	1138	WG	3			2		5	X	X				X							
				CK	MW-5B	1122	WG	3			2		5	X	X				X							
				CK	MW-5C	1540	WG	3			2		5	X	X				X							
				CK	MW-8	1025	WG	3			2		5	X	X				X							
				CK	MW-8B	1444	WG	3			2		5	X	X				X							

TEMPERATURE ON RECEIPT C°: (C5) 3.1

0.0 7/28/11 14:10

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		7/26/11	1720
		7/27/11	1415
Relinquished by: (Signature) 7-27-11 19:00	Received by: (Signature)	7/28/11	9:30

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL Houston (_____)
- ☐ 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: 135244 Peter Schaefer
PO #: 40-40973
INCIDENT # (ENV SERVICES): 97565995 ☐ CHECK IF NO INCIDENT # APPLIES
SAP #:
DATE: 7/26/11
PAGE: 2 of 2

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, CA
PHONE NO.: 510-420-3343
E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com
CONSULTANT PROJECT NO.: 110726-IW1
PROJECT CONTACT (Hardcopy or PDF Report to): Corin King
SAMPLER NAME(S) (Print): IAN WILLIAMS, CORBY KILPATRICK
LAB USE ONLY: 14G2682
TELEPHONE: (310) 885-4455 x 108
FAX: (310) 637-5802
E-MAIL: lking@blainetech.com

TURNAROUND TIME (CALENDAR DAYS):
☒ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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Copy final report to Shell.Lab.Billing@craworld.com, ShellEDF@craworld.com,Shell-US-LabDataManagement@CRAworld.com, and esyrstad@CRAWorld.com

Email invoice 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

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

TEMPERATURE ON RECEIPT C°: CS 3.1

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG	110726-IW1	072611	IW	MW-11B	0940	WG	3			2		5	X	X				X							
				IW	MW-12	1010	WG	3			2		5	X	X				X							
				IW	MW-13	1155	WG	3			2		5	X	X				X							
				IW	MW-13B	1350	WG	3			2		5	X	X				X							
				IW	MW-13C	1505	WG	3			2		5	X	X				X							
				CK	MW-14B	1244	WG	3			2		5	X	X				X							
				CK	MW-14C	1500	WG	3			2		5	X	X				X							

Relinquished by: (Signature)	Received by: (Signature)	Date: 7/26/11	Time: 1720
Relinquished by: (Signature)	Received by: (Signature)	Date: 7/27/11	Time: 1415
Relinquished by: (Signature) 7-27-11 19:00	Received by: (Signature)	Date: 7/28/11	Time: 9:30

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: 09/09/11
Received: 09/13/11
Issued: 09/26/11 16:57

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
IUI1052-01	MW-14C	Water

Reviewed By:

Philip Sanelle

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: IUI1052

Sampled: 09/09/11
Received: 09/13/11

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: IUI1052-01 (MW-14C - Water)								
Reporting Units: ug/l								
DRO (C10-C28)	EPA 8015B	11I1785	47	**120**	0.948	9/15/2011	9/16/2011	
Surrogate: n-Octacosane (45-120%)				*53 %*				

TestAmerica Irvine

Philip Sanelle
Project Manager

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Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUI1052

Sampled: 09/09/11
Received: 09/13/11

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: IUI1052-01 (MW-14C - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	11I1329	50	ND	1	9/13/2011	9/14/2011	
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				

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Report Number: IUI1052

Sampled: 09/09/11
Received: 09/13/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI1052-01 (MW-14C - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	11I1329	0.50	ND	1	9/13/2011	9/14/2011	
Ethylbenzene	EPA 8260B	11I1329	0.50	ND	1	9/13/2011	9/14/2011	
Toluene	EPA 8260B	11I1329	0.50	ND	1	9/13/2011	9/14/2011	
Xylenes, Total	EPA 8260B	11I1329	1.0	ND	1	9/13/2011	9/14/2011	
Di-isopropyl Ether (DIPE)	EPA 8260B	11I1329	1.0	ND	1	9/13/2011	9/14/2011	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	11I1329	1.0	ND	1	9/13/2011	9/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11I1329	1.0	**30**	1	9/13/2011	9/14/2011	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	11I1329	1.0	ND	1	9/13/2011	9/14/2011	
tert-Butanol (TBA)	EPA 8260B	11I1329	10	ND	1	9/13/2011	9/14/2011	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*94 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				

TestAmerica Irvine

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Project Manager

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San Jose, CA 95112-1105
Attention: Lorin King

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

Report Number: IUI1052

Sampled: 09/09/11
Received: 09/13/11

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: 11I1785 Extracted: 09/15/11										
Blank Analyzed: 09/16/2011 (11I1785-BLK1)										
DRO (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	*152*		*ug/l*	*200*		*76*	*45-120*			
LCS Analyzed: 09/16/2011 (11I1785-BS1)										**MNR1**
DRO (C10-C28)	507	50	ug/l	1000		51	40-115			
Surrogate: n-Octacosane	*148*		*ug/l*	*200*		*74*	*45-120*			
LCS Dup Analyzed: 09/16/2011 (11I1785-BSD1)										
DRO (C10-C28)	596	50	ug/l	1000		60	40-115	16	25	
Surrogate: n-Octacosane	*150*		*ug/l*	*200*		*75*	*45-120*			

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Report Number: IUI1052

Sampled: 09/09/11
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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: 11I1329 Extracted: 09/13/11										
Blank Analyzed: 09/13/2011 (11I1329-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
LCS Analyzed: 09/13/2011 (11I1329-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	410	50	ug/l	500		82	55-130			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*		*ug/l*	*25.0*		*95*	*80-120*			
Matrix Spike Analyzed: 09/13/2011 (11I1329-MS1)					**Source: IUI0857-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1350	50	ug/l	1720	735	35	50-145			*M2*
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 09/13/2011 (11I1329-MSD1)					**Source: IUI0857-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1410	50	ug/l	1720	735	39	50-145	5	20	*M2*
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			

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1680 Rogers Avenue
San Jose, CA 95112-1105
Attention: Lorin King

Project ID: 8999 San Ramon Rd., Dublin, CA
Report Number: IUI1052

Sampled: 09/09/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I1329 Extracted: 09/13/11										
Blank Analyzed: 09/13/2011 (11I1329-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	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
LCS Analyzed: 09/13/2011 (11I1329-BS1)										
Benzene	24.3	0.50	ug/l	25.0		97	70-120			
Ethylbenzene	27.3	0.50	ug/l	25.0		109	75-125			
Toluene	25.6	0.50	ug/l	25.0		102	70-120			
m,p-Xylenes	55.2	1.0	ug/l	50.0		110	75-125			
o-Xylene	26.3	0.50	ug/l	25.0		105	75-125			
Xylenes, Total	81.6	1.0	ug/l	75.0		109	70-125			
Di-isopropyl Ether (DIPE)	23.8	1.0	ug/l	25.0		95	60-135			
Ethyl tert-Butyl Ether (ETBE)	24.1	1.0	ug/l	25.0		97	65-135			
Methyl-tert-butyl Ether (MTBE)	23.1	1.0	ug/l	25.0		92	60-135			
tert-Amyl Methyl Ether (TAME)	24.9	1.0	ug/l	25.0		99	60-135			
tert-Butanol (TBA)	138	10	ug/l	125		110	70-135			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			

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Report Number: IUI1052

Sampled: 09/09/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I1329 Extracted: 09/13/11										
Matrix Spike Analyzed: 09/13/2011 (11I1329-MS1)					**Source: IUI0857-01**					
Benzene	23.2	0.50	ug/l	25.0	ND	93	65-125			
Ethylbenzene	26.2	0.50	ug/l	25.0	ND	105	65-130			
Toluene	25.4	0.50	ug/l	25.0	ND	102	70-125			
m,p-Xylenes	52.5	1.0	ug/l	50.0	ND	105	65-130			
o-Xylene	25.9	0.50	ug/l	25.0	ND	103	65-125			
Xylenes, Total	78.4	1.0	ug/l	75.0	ND	105	60-130			
Di-isopropyl Ether (DIPE)	22.2	1.0	ug/l	25.0	ND	89	60-140			
Ethyl tert-Butyl Ether (ETBE)	24.1	1.0	ug/l	25.0	ND	96	60-135			
Methyl-tert-butyl Ether (MTBE)	22.8	1.0	ug/l	25.0	ND	91	55-145			
tert-Amyl Methyl Ether (TAME)	25.0	1.0	ug/l	25.0	ND	100	60-140			
tert-Butanol (TBA)	136	10	ug/l	125	ND	109	65-140			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 09/13/2011 (11I1329-MSD1)					**Source: IUI0857-01**					
Benzene	22.9	0.50	ug/l	25.0	ND	92	65-125	1	20	
Ethylbenzene	26.3	0.50	ug/l	25.0	ND	105	65-130	0.3	20	
Toluene	24.8	0.50	ug/l	25.0	ND	99	70-125	2	20	
m,p-Xylenes	53.4	1.0	ug/l	50.0	ND	107	65-130	2	25	
o-Xylene	26.6	0.50	ug/l	25.0	ND	107	65-125	3	20	
Xylenes, Total	80.1	1.0	ug/l	75.0	ND	107	60-130	2	20	
Di-isopropyl Ether (DIPE)	22.2	1.0	ug/l	25.0	ND	89	60-140	0.2	25	
Ethyl tert-Butyl Ether (ETBE)	23.7	1.0	ug/l	25.0	ND	95	60-135	1	25	
Methyl-tert-butyl Ether (MTBE)	21.9	1.0	ug/l	25.0	ND	87	55-145	4	25	
tert-Amyl Methyl Ether (TAME)	24.0	1.0	ug/l	25.0	ND	96	60-140	4	30	
tert-Butanol (TBA)	132	10	ug/l	125	ND	105	65-140	4	25	
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*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: IUI1052

Sampled: 09/09/11
Received: 09/13/11

DATA QUALIFIERS AND DEFINITIONS

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

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.

TestAmerica Irvine

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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

IUI1052

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL Houston (_____)
- ☐ 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: 135244 Peter Schaefer
PO # 40-40934973
INCIDENT # (ENV SERVICES): 97565975
SAP #
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 9/9/11
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, CA
PHONE NO.: 510-420-3343
E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com
CONSULTANT PROJECT NO.: 110909-WW
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King
SAMPLER NAME(S) (Print): Will Hall Work
TELEPHONE: (310) 885-4455 x 108
FAX: (310) 637-5802
E-MAIL: lking@blainetech.com
LAB USE ONLY

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:
1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabedduploadcraworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell.Lab.Billing@craworld.com; ShellEDF@craworld.com;Shell-US-LabDataManagement@CRAworld.com, and esyrstad@CRAWorld.com.

Email invoice 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

Matrix Codes: WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	TEMPERATURE ON RECEIPT	Container PID Readings or Laboratory Notes
	WG	110909-WW2	090911	WW	MW-11C	12:40	WG	3			2		5	X	X				X							5.2	0.0 ppm 9/13/11 14:10

	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
1	Will Hall	SAMPLE CUSTODIAN	9/9/11	1353
2	(Sample Custodian)	Brent Mayfield	9/12/11	1200
3	Brent Mayfield 9-12-11 16:00		9/13/11	0445

APPENDIX C

CASCADE DRILLING, L.P. –
WELL DEVELOPMENT NOTES

WELL NUMBER MW14 | PROJECT NUMBER 51033.02

DEPTH TO BOTTOM (DB): | DATE 8-26-11

INITIAL 100.2 | DATE(S) INSTALLED

FINAL 100.65 | DATE(S) DEVELOPED

STATIC WATER LEVEL: | PUMP TYPE

INITIAL 28.5 | PUMP CAPACITY

FINAL 52.1 | BAILER TYPE 2"

MEASURING POINT TOC | BAILER CAPACITY 1 gals

FIELD PERSONNEL D. DAVIDSON

WELL MEASURMENT:
2-INCH I.D. = 0.16 gal/ft.
4-INCH I.D. = 0.65 gal/ft.
6-INCH I.D. = 1.47 gal/ft.
8-INCH I.D. = 2.51 gal/ft.

MEASURED DEPTH TO BOTTOM (DB)

DEPTH TO FLUID (DTW)

HEIGHT OF WATER COLUMN (H) = DB-DTW

ONE CASING VOUME (CV) = X gal/ft. x H

TIME	VOLUME REMOVED	pH	CONDUCTIVITY	TEMP (F)	TURBIDITY	OTHER PHYSICAL CHARACTERISTICS
9:30	10	6.41	1281	20.0	~~BEH~~	Light Brown
9:41	20	6.89	1225	19.7		"
9:51	30	6.97	1237	18.8		"
10:02	40	7.23	904	19.4		"
10:13	50	7.26	911	19.1		Lighter Brown
10:24	60	7.23	1030	19.2		"
10:35	70	7.20	1111	19.0		"
10:46	80	7.20	1016	19.2		Cloudy Clear
10:57	90	7.08	1211	19.0		"
11:10	100	7.11	1268	19.1		"

TOTAL VOLUME REMOVED DRUMS

COMMENTS