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Transmittal

Date: December 1, 2015 Reference No.: 240724

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

Subject: Shell-branded Service Station, 8999 San Ramon Road, Dublin, California

No. of Copies	Description/Title	Drawing No./ Document Ref.	Issue
1	Groundwater Monitoring Report - Third Quarter 2015		

Issued for: ☐ Your information ☒ As requested ☐ Construction ☐ Quotation
☐ Your approval/comments ☐ Returned to you ☐ For re-submission

Sent by: ☐ Overnight courier ☐ Same day courier ☐ Mailed under separate cover ☒ Mail enclosed
☒ Other: GeoTracker and Alameda County FTP

Remarks:
If you have any questions regarding the contents of this document, please call the GHD project manager Peter Schaefer at (510) 420-3319 or the Shell program manager Deborah Pryor at (323) 291-9595.

Copy to: Deborah Pryor, Shell Oil Products US

Colleen Winey, Zone 7 Water Agency

Carl Cox, C and J Cox Corporation
(property owner)

Completed by: Peter Schaefer [Please Print] Signed: Peter Schaefer

Filing: Correspondence File

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Shell Oil Products US
Soil and Groundwater Focus Delivery Group
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Tel (323) 291 9595
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Email deborah.pryor@shell.com
Internet http://www.shell.com

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

Re: **8999 San Ramon Road, Dublin, California**
PlaNet Site ID 10007871
PlaNet Project ID 33028
ACEH Case No. RO0002774

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 (323) 291-9595 with any questions or concerns.

Sincerely,
Shell Oil Products US

Deborah R. Pryor
Senior Program Manager

Groundwater Monitoring Report – Third Quarter 2015

Shell-branded Service Station
8999 San Ramon Road
Dublin, California

PlaNet Site ID	10007871
PlaNet Project ID	33028
Agency No.	RO0002744

Shell Oil Products US

5900 Hollis Street Suite A Emeryville California 94608 USA

240724 | 15.03 | Report No 19 | December 1, 2015

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Appendices

1. Introduction

GHD Services Inc. (GHD) 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	Deborah Pryor
GHD Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0002744
Shell PlaNet Site ID	10007871
Shell PlaNet Project ID	33028

Date of most recent agency correspondence was March 24, 2014.

2. Site Activities, Findings, and Discussion

2.1 Current Quarter's Activities

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

GHD prepared a vicinity map (Figure 1); shallow, intermediate, and deeper groundwater contour and chemical concentration maps (Figures 2, 3, and 4, respectively); and a groundwater data table (Table 1). Blaine's field notes are presented in Appendix A, and the laboratory report is presented in Appendix B.

2.2 Current Quarter's Findings

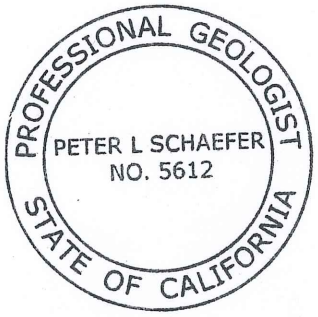
Shallow Groundwater Flow Direction	Easterly to southeasterly
Intermediate Groundwater Flow Direction	Easterly to southerly
Deeper Groundwater Flow Direction	Southwesterly to southeasterly
Shallow Hydraulic Gradient	0.07
Intermediate Hydraulic Gradient	Variable
Deeper Hydraulic Gradient	0.02
Depth to Water	26.63 to 38.82 feet below top of well casing

2.3 Proposed Activities

Blaine will gauge and sample wells according to the established monitoring program for this site. This site will be monitored semiannually during the first and third quarters, and Shell will issue groundwater monitoring reports semiannually following the sampling events.

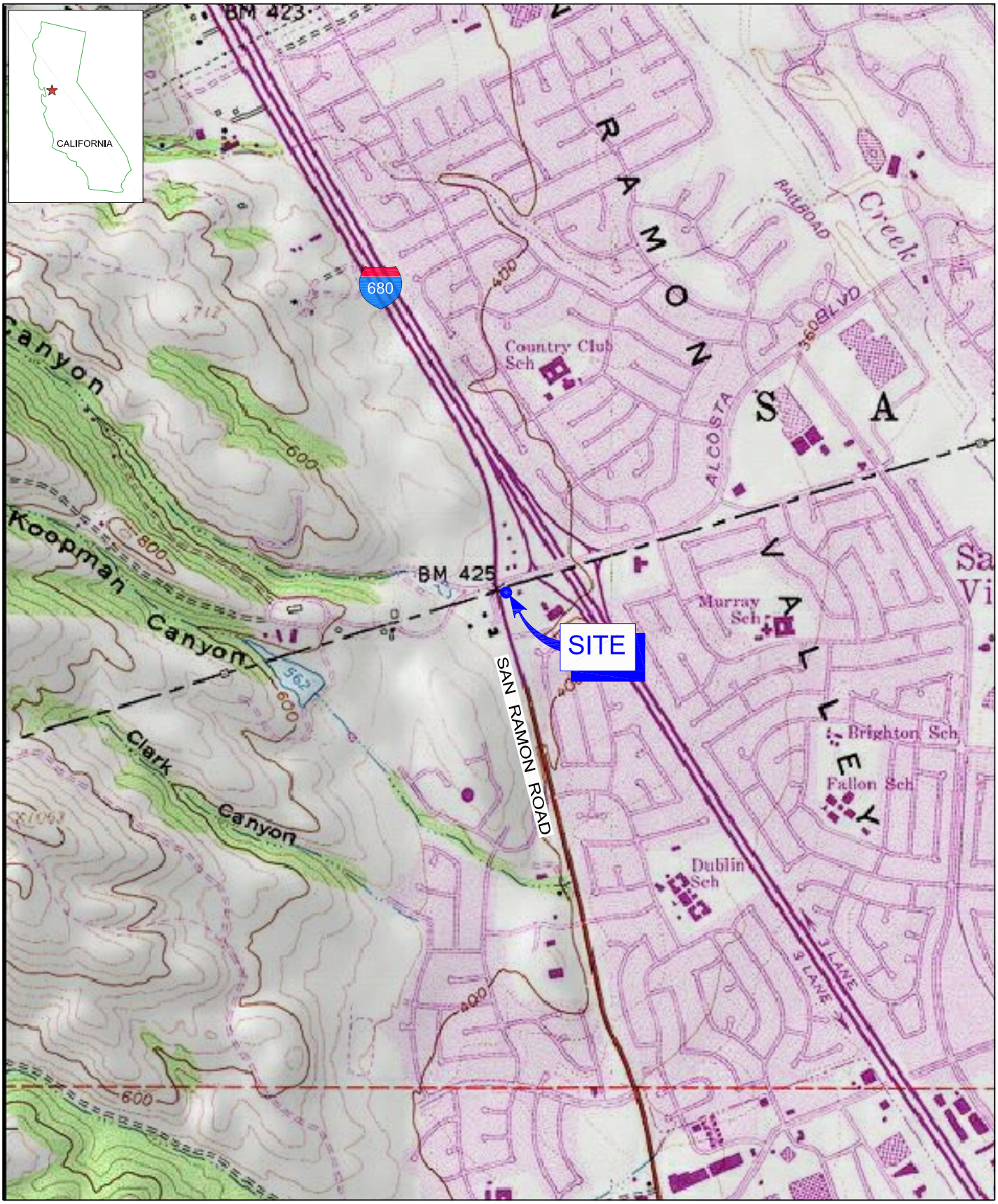
All of Which is Respectfully Submitted,

GHD



Peter Schaefer, CEG, CHG

Diane M. Lundquist, P.E.



Source: TOPO! MAPS

0 660 1320ft

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

240724-15.03

Sep 22, 2015

VICINITY MAP

FIGURE 1

CAD File: I:\Shell\6-chars\2407--\240724-Dublin 8999 San Ramon Rd\240724-FIGURES\240724-19-FIGURES\240724-15.03(019)GN-EM001.DWG

ALCOSTA BOULEVARD

I-680 ON-RAMP

SAN RAMON ROAD

Planter

MW-4

MW-3R
390.55
<0.50
<0.50
<10

Dispenser Islands

Canopy

Kiosk

MW-6

MW-10

MW-3

USTs

MW-1R
388.93
<0.50
1.6
290

MW-2

MW-1

Shell Station
8999 San Ramon Rd.

MW-2R
385.16
<0.50
<0.50
29

MW-2RB

MW-2RC

Store

Car Wash

MW-5
DRY
NS

MW-5C

MW-5B

Parking Lot

MW-7

MW-8
DRY
NS

MW-8B

MW-12
375.90
<0.50
<0.50
<10

MW-11

MW-11B

Parking Lot

MW-9

Restaurant & Stores

MW-14C

MW-14B

Condos

Condos

Condos

Parking Lot

MW-13
378.07
<0.50
<0.50
<10

MW-13C

MW-13B

387.00

383.00

379.00

0.07

EXPLANATION

- **MW-5** — Shallow monitoring well location
- **MW-5B** — Intermediate monitoring well location (not used in contouring)
- **MW-5C** — Deeper 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 (ft MSL)

Well
ELEV.
Benzene
MTBE
TBA

- Well designation
- Groundwater elevation, in ft MSL
- Benzene, MTBE, and TBA concentrations are in micrograms per liter

Notes:
<X = Not detected at reporting limit X
NS = Not sampled

0 20 40ft

N

GHD

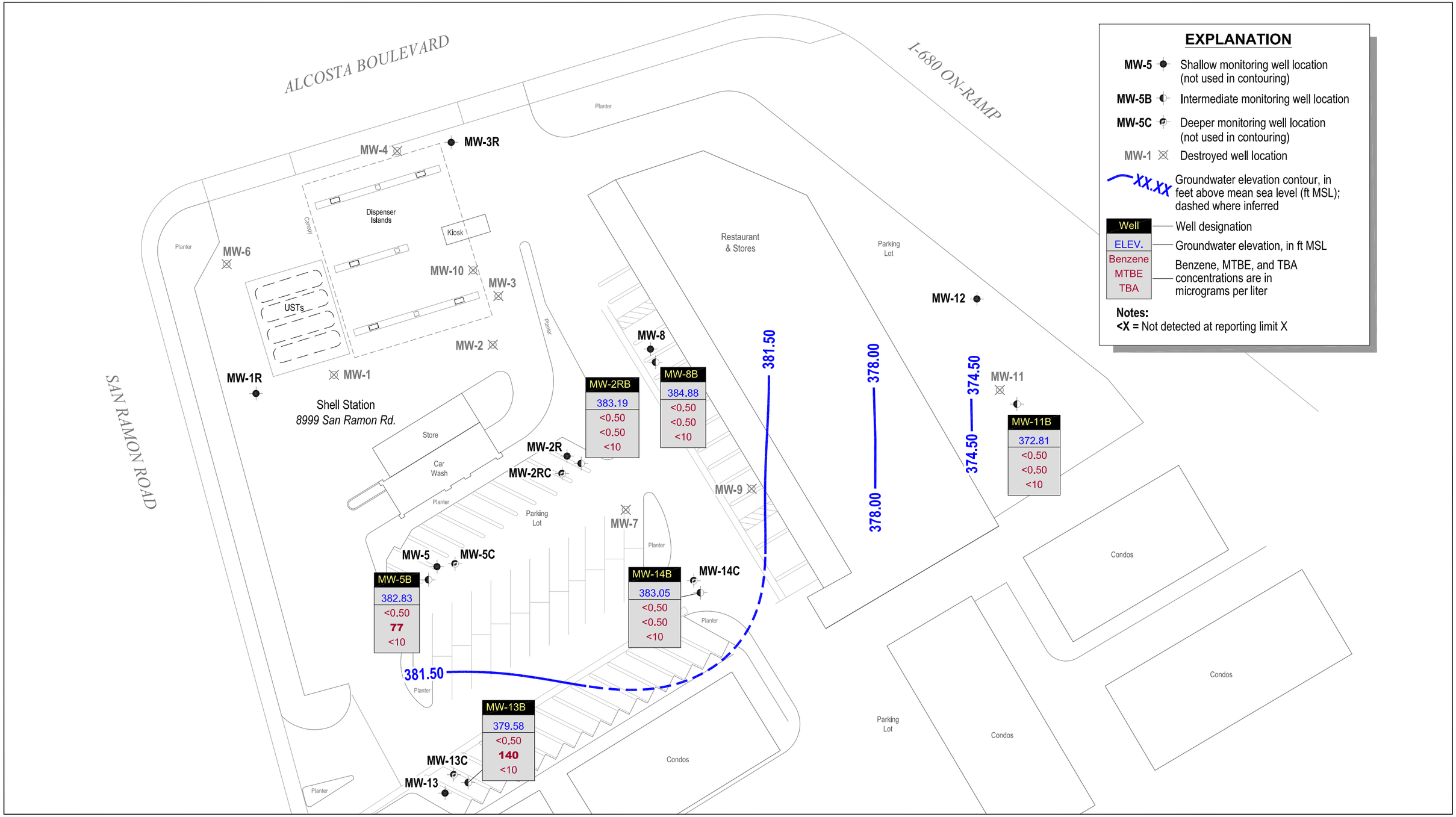
SHELL-BRANDED SERVICE STATION
8999 SAN RAMON ROAD
DUBLIN, CALIFORNIA

SHALLOW GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - JULY 30, 2015

240724-15.03
Sep 23, 2015

FIGURE 2

CAD File: I:\Shell\6-chars\2407-\240724-Dublin 8999 San Ramon Rd\240724-FIGURES\240724-19-FIGURES\240724-15.03(019)GN-EM002.dwg



0 20 40ft

GHD

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

INTERMEDIATE GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - JULY 30, 2015

240724-15.03
Oct 1, 2015

FIGURE 3

CAD File: I:\Shell\6-chars\2407--\240724-Dublin 8999 San Ramon Rd\240724-FIGURES\240724-19-FIGURES\240724-15.03(019)GN-EM003.dwg

ALCOSTA BOULEVARD

I-680 ON-RAMP

SAN RAMON ROAD

Planter

MW-4

MW-3R

Dispenser Islands

Canopy

Kiosk

MW-6

MW-10

MW-3

USTs

MW-2

MW-1R

MW-1

Shell Station
8999 San Ramon Rd.

Store

Car Wash

MW-2RC
379.94
<0.50
19
<10

MW-2R

MW-2RB

379.50

379.50

379.00

MW-7

379.00

378.50

378.50

MW-5

MW-5B

MW-5C
378.28
<0.50
130
<10

MW-13C
378.20
<0.50
130
17

MW-13

MW-13B

Parking Lot

Restaurant & Stores

Parking Lot

MW-12

MW-8

MW-8B

MW-9

MW-11

MW-11B

MW-14C
378.10
<0.50
53
<10

MW-14B

Condos

Condos

Condos

Parking Lot

Condos

EXPLANATION

- **MW-5** — Shallow monitoring well location (not used in contouring)
- **MW-5B** — Intermediate monitoring well location (not used in contouring)
- **MW-5C** — Deeper monitoring well location
- **MW-1** — Destroyed well location
- x.xx — Groundwater flow direction and gradient
- xx.xx — Groundwater elevation contour, in feet above mean sea level (ft MSL); dashed where inferred
- Well — Well designation
- ELEV. — Groundwater elevation, in ft MSL
- Benzene / MTBE / TBA — Benzene, MTBE, and TBA concentrations are in micrograms per liter

Notes:
<X = Not detected at reporting limit X

0 20 40ft

N

GHD

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

DEEPER GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - JULY 30, 2015

240724-15.03

Sep 23, 2015

FIGURE 4

CAD File: I:\Shell\6-chars\2407-\240724-Dublin 8999 San Ramon Rd\240724-FIGURES\240724-19-FIGURES\240724-15.03(019)GN-EM004.dwg

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 a,b	<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 a	<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 a	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 e	<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-1R	11/03/2011	---	---	---	---	---	---	---	---	---	---	---	421.41	31.30	390.11
MW-1R	11/04/2011	<47	<250	<2.5	<2.5	<2.5	<5.0	5.5	5,600	<5.0	<5.0	<5.0	421.41	---	---
MW-1R	01/26/2012	<49	<50	<0.50	<0.50	<0.50	3.2	2.9	770	<0.50	<0.50	<0.50	421.41	31.60	389.81
MW-1R	05/11/2012	140	<50	<0.50	<0.50	<0.50	<1.0	0.87	610	<0.50	<0.50	<0.50	421.41	25.71	395.70
MW-1R	08/02/2012	<48	<130	<1.3	<1.3	<1.3	<2.5	1.3	2,100	<1.3	<1.3	<1.3	421.41	31.32	390.09

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-1R	01/17/2013	61	<100	1.0	1.0	<1.0	5.5	<1.0	1,600	<1.0	<1.0	<1.0	421.41	29.36	392.05
MW-1R	08/09/2013	<48	<50	<0.50	0.75	0.84	3.9	0.78	67	<0.50	<0.50	<0.50	421.41	33.03	388.38
MW-1R	02/10/2014	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	421.41	33.74	387.67
MW-1R	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	421.41	33.92	387.49
MW-1R	07/30/2014	76	<50	<0.50	<0.50	<0.50	<1.0	0.60	<10	<0.50	<0.50	<0.50	421.41	---	---
MW-1R	02/02/2015	<48	100 j	<0.50	<0.50	<0.50	<1.0	1.5	1,400	<0.50	<0.50	<0.50	421.41	29.73	391.68
MW-1R	**07/30/2015**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.6**	**290**	**<0.50**	**<0.50**	**<0.50**	**421.41**	**32.48**	**388.93**
MW-2	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	20.72	385.86
MW-2	05/19/2005	<50 a	<500	<5.0	<5.0	<5.0	<10	11	4,200	<20	<20	<20	418.88	21.26	381.17
MW-2	08/15/2005	<50 a	<1,000	<10	<10	<10	<20	<10	7,500	<40	<40	<40	418.88	25.33	392.60
MW-2	11/08/2005	Well dry	---	---	---	---	---	---	---	---	---	---	418.88	---	---
MW-2	01/30/2006	401 a	<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
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	05/15/2008	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-2R	11/03/2011	---	---	---	---	---	---	---	---	---	---	---	415.82	28.92	386.90
MW-2R	11/04/2011	51	610	<0.50 h	<0.50 h	<0.50 h	<1.0 h	1.8 h	220 h	<1.0 h	<1.0 h	<1.0 h	415.82	---	---

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-2R	01/26/2012	100	1,700	<1.0	<1.0	<1.0	<2.0	2.2	460	<1.0	<1.0	<1.0	415.82	29.63	386.19
MW-2R	05/11/2012	64	1,200	<0.50	<0.50	<0.50	<1.0	1.1	310	<0.50	<0.50	<0.50	415.82	25.05	390.77
MW-2R	08/02/2012	90 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.82	28.04	387.78
MW-2R	01/17/2013	160 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.82	28.80	387.02
MW-2R	08/09/2013	53	780	<1.0	<1.0	<1.0	<2.0	<1.0	59	<1.0	<1.0	<1.0	415.82	31.01	384.81
MW-2R	02/10/2014	99	1,000	<1.0	<1.0	<1.0	<2.0	<1.0	41 f	<1.0	<1.0	<1.0	415.82	31.19	384.63
MW-2R	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	415.82	31.52	384.30
MW-2R	07/30/2014	57	110	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.82	---	---
MW-2R	02/02/2015	62	530	<0.50	<0.50	<0.50	<1.0	<0.50	20	<0.50	<0.50	<0.50	415.82	28.53	387.29
MW-2R	**07/30/2015**	**48 e**	**650**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**29**	**<0.50**	**<0.50**	**<0.50**	**415.82**	**30.66**	**385.16**
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-2RB	11/03/2011	88	110	<0.50	<0.50	<0.50	<1.0	18	<10	<1.0	<1.0	<1.0	415.66	30.72	384.94
MW-2RB	01/26/2012	150	<50	<0.50	<0.50	<0.50	<1.0	10	<10	<0.50	<0.50	<0.50	415.66	31.42	384.24
MW-2RB	05/11/2012	<48	490	<0.50	<0.50	<0.50	<1.0	1.1	<10	<0.50	<0.50	<0.50	415.66	26.83	388.83
MW-2RB	08/02/2012	250 e	350 e	<0.50	<0.50	<0.50	<1.0	0.75	<10	<0.50	<0.50	<0.50	415.66	30.57	385.09
MW-2RB	01/17/2013	180 e	300 e	<0.50	<0.50	<0.50	<1.0	0.50	<10	<0.50	<0.50	<0.50	415.66	29.80	385.86
MW-2RB	08/09/2013	<48	200	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.66	32.70	382.96
MW-2RB	02/10/2014	92	110	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.66	33.36	382.30
MW-2RB	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	415.66	33.26	382.40
MW-2RB	07/30/2014	52	76	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.66	---	---
MW-2RB	02/02/2015	120	<50	<0.50	<0.50	<0.50	<1.0	3.3	<10	<0.50	<0.50	<0.50	415.66	30.69	384.97
MW-2RB	**07/30/2015**	**160 e**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.66**	**32.47**	**383.19**
MW-2RC	05/11/2011	---	---	---	---	---	---	---	---	---	---	---	415.97	27.01	388.96
MW-2RC	05/13/2011	---	---	---	---	---	---	---	---	---	---	---	415.97	29.95	386.02

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-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-2RC	11/03/2011	---	---	---	---	---	---	---	---	---	---	---	415.97	35.65	380.32
MW-2RC	11/04/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	46	<10	<1.0	<1.0	<1.0	415.97	---	---
MW-2RC	01/26/2012	47	<50	<0.50	<0.50	<0.50	<1.0	35	<10	<1.0	<1.0	<1.0	415.97	36.82	379.15
MW-2RC	05/11/2012	<47	<50	<0.50	<0.50	<0.50	<1.0	20	<10	<0.50	<0.50	<0.50	415.97	32.71	383.26
MW-2RC	08/02/2012	95 e	54	<0.50	<0.50	<0.50	<1.0	42	<10	<0.50	<0.50	<0.50	415.97	34.27	381.70
MW-2RC	01/17/2013	290 e	83 i	<0.50	<0.50	<0.50	<1.0	67	<10	<0.50	<0.50	<0.50	415.97	34.80	381.17
MW-2RC	08/09/2013	<48	<50	<0.50	<0.50	<0.50	<1.0	42	14	<0.50	<0.50	<0.50	415.97	37.81	378.16
MW-2RC	02/10/2014	68	63	<0.50	<0.50	<0.50	<1.0	77	<10	<0.50	<0.50	<0.50	415.97	39.04	376.93
MW-2RC	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	415.97	38.68	377.29
MW-2RC	07/30/2014	320 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.97	---	---
MW-2RC	02/02/2015	100	98 i	<0.50	<0.50	<0.50	<1.0	52	<10	<0.50	<0.50	<0.50	415.97	35.91	380.06
MW-2RC	**07/30/2015**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**19**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.97**	**36.03**	**379.94**
MW-3	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	19.08	---
MW-3	05/19/2005	120 b	<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 a	<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 a	<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 c	<0.50	<1.0	<1.0	<1.0	0.38 d	<10	<2.0	<2.0	<2.0	417.24	23.80	393.44
MW-3	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	417.24	---	---
MW-3	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	417.24	---	---
MW-3	02/15/2008	Insufficient water		---	---	---	---	---	---	---	---	---	417.24	23.60	393.64

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-3	05/15/2008	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-3R	11/03/2011	---	---	---	---	---	---	---	---	---	---	---	417.18	25.59	391.59
MW-3R	11/04/2011	77	<50 g	<0.50 g	<0.50 g	<0.50 g	<1.0 g	<1.0 g	<10 g	<1.0 g	<1.0 g	<1.0 g	417.18	---	---
MW-3R	01/26/2012	110	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.18	26.14	391.04
MW-3R	05/11/2012	55	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.18	22.25	394.93
MW-3R	08/02/2012	60 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.18	25.50	391.68
MW-3R	01/17/2013	78 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.18	24.58	392.60
MW-3R	08/09/2013	120	57	<0.50	1.4	1.7	7.9	<0.50	<10	<0.50	<0.50	<0.50	417.18	27.21	389.97
MW-3R	02/10/2014	<51	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.18	27.50	389.68
MW-3R	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	417.18	27.94	389.24
MW-3R	07/30/2014	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.18	---	---
MW-3R	02/02/2015	77	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.18	24.68	392.50
MW-3R	**07/30/2015**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**417.18**	**26.63**	**390.55**
MW-4	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	19.77	---
MW-4	05/19/2005	59 b	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 a	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 a	<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

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-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 c	<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 c	<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	05/15/2008	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
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 b	<50 c	<0.50	<1.0	<1.0	<1.0	0.56 d	<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

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Shell-branded Service Station
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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	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-5	11/03/2011	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	01/26/2012	Insufficient water		---	---	---	---	---	---	---	---	---	416.88	28.23	388.65
MW-5	05/11/2012	65	<50	<0.50	<0.50	<0.50	<1.0	0.56	<10	<0.50	<0.50	<0.50	416.88	25.93	390.95
MW-5	08/02/2012	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	01/17/2013	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	08/09/2013	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	02/10/2014	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	07/29/2014	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	02/02/2015	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	**07/30/2015**	**Well dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**416.88**	**---**	**---**
MW-5B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	417.66	29.74	387.92
MW-5B	02/15/2008	<50	110 b,c	<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
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

Groundwater Data
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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	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 e	<50	0.70	0.84	0.61	2.0	26	<10	<1.0	<1.0	<1.0	417.66	24.17	393.49
MW-5B	11/03/2011	---	---	---	---	---	---	---	---	---	---	---	417.66	31.59	386.07
MW-5B	11/04/2011	<47	250	<0.50	<0.50	<0.50	<1.0	290	12 f	<1.0	<1.0	<1.0	417.66	---	---
MW-5B	01/26/2012	120	<50	<0.50	<0.50	<0.50	<1.0	8.8	<10	<0.50	<0.50	<0.50	417.66	33.58	384.08
MW-5B	05/11/2012	81	<50	<0.50	<0.50	<0.50	<1.0	34	<10	<0.50	<0.50	<0.50	417.66	27.19	390.47
MW-5B	08/02/2012	<48	290 i	<1.0	<1.0	<1.0	<2.0	260	<20	<1.0	<1.0	<1.0	417.66	32.30	385.36
MW-5B	01/17/2013	110 e	<50	<0.50	<0.50	<0.50	<1.0	12	<10	<0.50	<0.50	<0.50	417.66	30.82	386.84
MW-5B	08/09/2013	69 e	190	<0.50	<0.50	<0.50	2.0	180	<10	<0.50	<0.50	<0.50	417.66	33.94	383.72
MW-5B	02/10/2014	73	140 i	<0.50	<0.50	<0.50	<1.0	190	<10	<0.50	<0.50	<0.50	417.66	35.90	381.76
MW-5B	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	417.66	35.13	382.53
MW-5B	07/30/2014	180 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.66	---	---
MW-5B	02/02/2015	51	<50	<0.50	<0.50	<0.50	<1.0	8.6	<10	<0.50	<0.50	<0.50	417.66	31.97	385.69
MW-5B	**07/30/2015**	**110 e**	**83 i**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**77**	**<10**	**<0.50**	**<0.50**	**<0.50**	**417.66**	**34.83**	**382.83**
MW-5C	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	417.10	33.97	383.13
MW-5C	02/15/2008	<50	<50 c	<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

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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-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 b	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 e	<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 e	210 e	<0.50	0.59	<0.50	1.7	190	14 f	<1.0	<1.0	<1.0	417.10	28.64	388.46
MW-5C	11/03/2011	---	---	---	---	---	---	---	---	---	---	---	417.10	36.92	380.18
MW-5C	11/04/2011	<47	170	<0.50	<0.50	<0.50	<1.0	200	<10	<1.0	<1.0	<1.0	417.10	---	---
MW-5C	01/26/2012	53	150	<0.50	0.54	0.82	6.0	160	<10	<0.50	<0.50	<0.50	417.10	37.77	379.33
MW-5C	05/11/2012	<48	120	<0.50	<0.50	<0.50	<1.0	180	<10	<0.50	<0.50	<0.50	417.10	32.45	384.65
MW-5C	08/02/2012	<48	180 i	<0.50	<0.50	<0.50	<1.0	190	<10	<0.50	<0.50	<0.50	417.10	36.81	380.29
MW-5C	01/17/2013	<55	140 i	0.85	0.74	0.75	5.6	130	55	<0.50	<0.50	<0.50	417.10	35.31	381.79
MW-5C	08/09/2013	78 e	150	<0.50	0.60	0.57	2.5	140	<10	<0.50	<0.50	<0.50	417.10	39.40	377.70
MW-5C	02/10/2014	<48	150 i	<0.50	<0.50	<0.50	<1.0	200	<10	<0.50	<0.50	<0.50	417.10	40.60	376.50
MW-5C	07/29/2014	<48	110 i	<0.50	<0.50	<0.50	<1.0	130	<10	<0.50	<0.50	<0.50	417.10	39.67	377.43
MW-5C	02/02/2015	120	170 i	<0.50	<0.50	<0.50	<1.0	130	<10	<0.50	<0.50	<0.50	417.10	36.63	380.47
MW-5C	**07/30/2015**	**<50**	**140 i**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**130**	**<10**	**<0.50**	**<0.50**	**<0.50**	**417.10**	**38.82**	**378.28**
MW-6	02/28/2006	---	---	---	---	---	---	---	---	---	---	---	422.50	23.55	398.95
MW-6	03/03/2006	104 a	<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 a	<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
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 c	<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	---	---

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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	02/15/2008	<50 a	<50 c	<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	05/15/2008	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		---	---	---	---	---	---	---	---	---	---	---	---
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

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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	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 c	<0.50	<1.0	<1.0	<1.0	0.48 d	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 c	<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-8	11/03/2011	---	---	---	---	---	---	---	---	---	---	---	414.54	27.15	387.39
MW-8	11/04/2011	940	<50	<0.50	<0.50	<0.50	<1.0	1.3	210	<1.0	<1.0	<1.0	414.54	---	---
MW-8	01/26/2012	270	<50	<0.50	<0.50	<0.50	<1.0	0.95	<10	<0.50	<0.50	<0.50	414.54	27.82	386.72
MW-8	05/11/2012	170	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	414.54	23.40	391.14
MW-8	08/02/2012	250 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	414.54	27.06	387.48
MW-8	01/17/2013	180	150	7.7	5.5	3.9	32	1.1	180	<0.50	<0.50	<0.50	414.54	26.15	388.39
MW-8	08/09/2013	Well dry	---	---	---	---	---	---	---	---	---	---	414.54	---	---

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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	02/10/2014	Well dry	---	---	---	---	---	---	---	---	---	---	414.54	---	---
MW-8	07/29/2014	Well dry	---	---	---	---	---	---	---	---	---	---	414.54	---	---
MW-8	02/02/2015	Well dry	---	---	---	---	---	---	---	---	---	---	414.54	---	---
MW-8	**07/30/2015**	**Well dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**414.54**	**---**	**---**
MW-8B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	414.81	26.81	388.00
MW-8B	02/15/2008	<50	<50 c	<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
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 b	<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-8B	11/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	414.81	28.83	385.98
MW-8B	01/26/2012	62	<50	<0.50	<0.50	<0.50	<1.0	1.3	<10	<0.50	<0.50	<0.50	414.81	29.30	385.51
MW-8B	05/11/2012	<48	<50	<0.50	<0.50	<0.50	<1.0	0.79	<10	<0.50	<0.50	<0.50	414.81	25.10	389.71
MW-8B	08/02/2012	66 e	<50	<0.50	<0.50	<0.50	<1.0	0.78	<10	<0.50	<0.50	<0.50	414.81	27.96	386.85
MW-8B	01/17/2013	<51	<50	<0.50	<0.50	<0.50	<1.0	0.63	<10	<0.50	<0.50	<0.50	414.81	28.40	386.41
MW-8B	08/09/2013	150 e	<50	<0.50	<0.50	0.59	2.6	0.59	<10	<0.50	<0.50	<0.50	414.81	30.49	384.32

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	02/10/2014	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	414.81	30.92	383.89
MW-8B	07/29/2014	68	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	414.81	31.80	383.01
MW-8B	02/02/2015	<47	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	414.81	28.67	386.14
MW-8B	**07/30/2015**	**68 e**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**414.81**	**29.93**	**384.88**
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 b	<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 b	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	412.69	28.50	384.19
MW-9	01/25/2011	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	02/16/2011	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---

Groundwater Data
Shell-branded Service Station
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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-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 c	<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 c	<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	---	---

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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 c	<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-11B	11/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	409.03	33.50	375.53
MW-11B	01/26/2012	<47	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	34.95	374.08
MW-11B	05/11/2012	77	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	30.70	378.33
MW-11B	08/02/2012	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	33.20	375.83
MW-11B	01/17/2013	49	67	3.3	2.6	1.7	13	<0.50	<10	<0.50	<0.50	<0.50	409.03	33.30	375.73
MW-11B	08/09/2013	Insufficient water		---	---	---	---	---	---	---	---	---	409.03	37.50	371.53

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-11B	02/10/2014	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	36.83	372.20
MW-11B	07/29/2014	Insufficient water		---	---	---	---	---	---	---	---	---	409.03	37.47	371.56
MW-11B	02/02/2015	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	34.65	374.38
MW-11B	**07/30/2015**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**409.03**	**36.22**	**372.81**
MW-12	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	411.18	31.10	380.08
MW-12	02/15/2008	<50	<50 c	<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
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-12	11/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	411.18	33.39	377.79
MW-12	01/26/2012	<47	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	34.30	376.88
MW-12	05/11/2012	<47	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	30.35	380.83
MW-12	08/02/2012	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	33.00	378.18
MW-12	01/17/2013	57	84	3.9	3.1	2.3	18	<0.50	<10	<0.50	<0.50	<0.50	411.18	34.79	376.39
MW-12	08/09/2013	56	85	0.57	1.6	2.2	10	<0.50	<10	<0.50	<0.50	<0.50	411.18	35.51	375.67

Groundwater Data
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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	02/10/2014	<49	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	35.52	375.66
MW-12	07/29/2014	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	36.14	375.04
MW-12	02/02/2015	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	33.92	377.26
MW-12	**07/30/2015**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**411.18**	**35.28**	**375.90**
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-13	11/03/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	<1.0	57	<1.0	<1.0	<1.0	415.77	34.62	381.15
MW-13	01/26/2012	<49	<50	<0.50	<0.50	<0.50	<1.0	2.0	490	<0.50	<0.50	<0.50	415.77	36.25	379.52
MW-13	05/11/2012	<47	<50	<0.50	<0.50	<0.50	<1.0	0.76	<10	<0.50	<0.50	<0.50	415.77	30.22	385.55
MW-13	08/02/2012	57 e	<50	<0.50	<0.50	<0.50	<1.0	0.98	<10	<0.50	<0.50	<0.50	415.77	35.32	380.45
MW-13	01/17/2013	57	<50	<0.50	<0.50	<0.50	<1.0	1.3	<10	<0.50	<0.50	<0.50	415.77	33.30	382.47
MW-13	08/09/2013	<50	<50	<0.50	<0.50	<0.50	<1.0	1.3	<10	<0.50	<0.50	<0.50	415.77	38.48	377.29
MW-13	02/10/2014	<48	<50	<0.50	<0.50	<0.50	<1.0	2.2	<10	<0.50	<0.50	<0.50	415.77	39.49	376.28
MW-13	07/29/2014	<48	<50	<0.50	<0.50	<0.50	<1.0	1.5	<10	<0.50	<0.50	<0.50	415.77	39.80	375.97
MW-13	02/02/2015	<54	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.77	35.24	380.53
MW-13	**07/30/2015**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.77**	**37.70**	**378.07**
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-13B	11/03/2011	80	<50	<0.50	<0.50	<0.50	<1.0	2.0	<10	<1.0	<1.0	<1.0	415.39	31.49	383.90
MW-13B	01/26/2012	99	66	<0.50	<0.50	<0.50	<1.0	56	<10	<0.50	<0.50	<0.50	415.39	36.08	379.31
MW-13B	05/11/2012	320	<50	<0.50	<0.50	<0.50	<1.0	24	<10	<0.50	<0.50	<0.50	415.39	31.83	383.56
MW-13B	08/02/2012	1,200	140	<0.50	<0.50	<0.50	<1.0	1.7	<10	<0.50	<0.50	<0.50	415.39	33.73	381.66
MW-13B	01/17/2013	470	66 i	<0.50	<0.50	<0.50	<1.0	63	24	<0.50	<0.50	<0.50	415.39	31.70	383.69
MW-13B	08/09/2013	<48	180	<0.50	<0.50	<0.50	<1.0	180	<10	<0.50	<0.50	<0.50	415.39	36.51	378.88

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-13B	02/10/2014	51	180 i	<0.50	<0.50	<0.50	<1.0	230	<10	<0.50	<0.50	<0.50	415.39	37.47	377.92
MW-13B	07/29/2014	79	<50	<0.50	<0.50	<0.50	<1.0	1.5	<10	<0.50	<0.50	<0.50	415.39	37.11	378.28
MW-13B	02/02/2015	120	50	<0.50	<0.50	<0.50	<1.0	13	<10	<0.50	<0.50	<0.50	415.39	33.34	382.05
MW-13B	**07/30/2015**	**1,600 e**	**140 i**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**140**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.39**	**35.81**	**379.58**
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-13C	11/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	5.7	<10	<1.0	<1.0	<1.0	415.73	33.62	382.11
MW-13C	01/26/2012	48	<50	<0.50	<0.50	<0.50	<1.0	13	<10	<0.50	<0.50	<0.50	415.73	43.24	372.49
MW-13C	05/11/2012	1,000	140	<0.50	<0.50	<0.50	<1.0	160	<10	<0.50	<0.50	<0.50	415.73	35.62	380.11
MW-13C	08/02/2012	450 e	100 e	<0.50	<0.50	<0.50	<1.0	80	<10	<0.50	<0.50	<0.50	415.73	34.54	381.19
MW-13C	01/17/2013	92	130 i	<0.50	<0.50	<0.50	<1.0	140	49	<0.50	<0.50	<0.50	415.73	36.20	379.53
MW-13C	08/09/2013	<48	140	<0.50	<0.50	<0.50	<1.0	150	<10	<0.50	<0.50	<0.50	415.73	38.50	377.23
MW-13C	02/10/2014	<47	150 i	<0.50	<0.50	<0.50	<1.0	180	<10	<0.50	<0.50	<0.50	415.73	38.52	377.21
MW-13C	07/29/2014	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.73	42.58	373.15
MW-13C	02/02/2015	53	270 i	<0.50	<0.50	<0.50	<1.0	240	<10	<0.50	<0.50	<0.50	415.73	36.68	379.05
MW-13C	**07/30/2015**	**330 e**	**140 i**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**130**	**17**	**<0.50**	**<0.50**	**<0.50**	**415.73**	**37.53**	**378.20**
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-14B	11/03/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	413.33	28.18	385.15
MW-14B	01/26/2012	2,500	<50	<0.50	<0.50	<0.50	<1.0	2.5	<10	<0.50	<0.50	<0.50	413.33	29.74	383.59
MW-14B	05/11/2012	63	<50	<0.50	<0.50	<0.50	<1.0	1.1	<10	<0.50	<0.50	<0.50	413.33	26.00	387.33
MW-14B	08/02/2012	650 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	413.33	28.86	384.47
MW-14B	01/17/2013	130	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	413.33	28.10	385.23
MW-14B	08/09/2013	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	413.33	35.49	377.84

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-14B	02/10/2014	98	<50	<0.50	<0.50	<0.50	<1.0	0.70	<10	<0.50	<0.50	<0.50	413.33	31.35	381.98
MW-14B	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	413.33	31.73	381.60
MW-14B	07/30/2014	<48	<50	<0.50	<0.50	<0.50	<1.0	0.92	<10	<0.50	<0.50	<0.50	413.33	---	---
MW-14B	02/02/2015	160	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	413.33	28.54	384.79
MW-14B	**07/30/2015**	**320 e**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**413.33**	**30.28**	**383.05**
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	413.48	21.51	391.97
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
MW-14C	11/03/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	413.10	33.89	379.21
MW-14C	01/26/2012	600	<50	<0.50	<0.50	<0.50	<1.0	3.2	<10	<0.50	<0.50	<0.50	413.10	33.80	379.30
MW-14C	05/11/2012	85	<50	<0.50	<0.50	<0.50	<1.0	12	<10	<0.50	<0.50	<0.50	413.10	31.94	381.16
MW-14C	08/02/2012	890 e	<50	<0.50	<0.50	<0.50	<1.0	19	<10	<0.50	<0.50	<0.50	413.10	33.02	380.08
MW-14C	01/17/2013	200	<50	<0.50	<0.50	<0.50	<1.0	31	<10	<0.50	<0.50	<0.50	413.10	32.60	380.50
MW-14C	08/09/2013	<48	61	<0.50	<0.50	<0.50	<1.0	47	<10	<0.50	<0.50	<0.50	413.10	31.43	381.67
MW-14C	02/10/2014	<49	<50	<0.50	<0.50	<0.50	<1.0	25	<10	<0.50	<0.50	<0.50	413.10	36.02	377.08
MW-14C	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	413.10	37.60	375.50
MW-14C	07/30/2014	180 e	<50	<0.50	<0.50	<0.50	<1.0	37	<10	<0.50	<0.50	<0.50	413.10	---	---
MW-14C	02/02/2015	100	93 i	<0.50	<0.50	<0.50	<1.0	59	<10	<0.50	<0.50	<0.50	413.10	33.61	379.49
MW-14C	**07/30/2015**	**63 e**	**83 i**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**53**	**<10**	**<0.50**	**<0.50**	**<0.50**	**413.10**	**35.00**	**378.10**

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

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)

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

a = TPHd analyzed without silica gel clean-up.
b = 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.
c = Analyzed by EPA Method 8015B (M)
d = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
e = Hydrocarbon result partly due to discrete peak(s) in quantitation range
f = 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.
g = Sample received and analyzed without chemical preservation
h = Sample container contained headspace
i = Concentration reported is due to the presence of discrete peak of MTBE.
j = Concentration reported is due to the presence of discrete peak of 2-Methyl-2-propanol.

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 – Field Notes

WELL GAUGING DATA

Project # 150730-MS1 Date 7/30/15 Client Shell

Site 6999 San Ramon, 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					37.48	39.73	TOC	
MW-2R	0734	2					30.66	45.29		
MW-2RB	0900	2					32.47	68.32		
MW-2RC	0817	2					36.03	101.30		
MW-3R	0710	4					26.63	34.66		
MW-5	0703	4					Dry	28.48		
MW-5B	0720	4					34.83	66.62		
MW-5C	0846	4					38.82	98.29		
MW-6	0853	4					Dry	25.78		
MW-8B	0645	4					~~36.22~~ 29.93	~~38.34~~ 68.38		
MW-11B	0810	4					~~36.22~~ 36.22	~~38.34~~ 38.34		
MW-12	~~0825~~ 0657	4					~~35.28~~ 27.70	~~44.61~~ 34.34		
MW-13	0657	2					~~37.90~~ 35.71	~~49.61~~ 68.27		
MW-13B	0805	2					~~35.81~~ 27.53	68.33		
MW-13C	0840	2					37.53	95.25		
MW-14B	0724	2					30.28	65.11		
MW-14C	0745	2					35.00	100.29		

SHELL WELL MONITORING DATA SHEET

BTS #: 150730-MT1	Site: 8999 San Ramon Blvd. Dublin, CA
Sampler: WW DS	Date: 7/30/15
Well I.D.: MW-1R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.73	Depth to Water (DTW): 32.48
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]: 33.93	

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

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

4.7 (Gals.) X	3	=	14.1 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
1222	78.0	7.39	691	>1000	4.7	
Well Dewatered @ 6 Gallons						
1423	74.5	7.80	688	>1000	—	

Did well dewater? (Yes) No Gallons actually evacuated: 6

Sampling Date: 7-30-15 Sampling Time: 1425 Depth to Water: 32.52

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): ~~See~~ (DUP)

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 #: 135730-M31	Site: 8999 San Ramon RD, DUBLIN, CA
Sampler: MG	Date: 7/30/15
Well I.D.: MW-2R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 45.29	Depth to Water (DTW): 30.66
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]: 33.58	

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: ____

23.5 (Gals.) X	3	= 70.5 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
1106	72.9	6.50	771	19	2.5	odor/clear
1108	70.9	6.16	795	19	5	↓
1110	70.9	6.15	808	32	7.5	↓

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

Sampling Date: 7/30/15 Sampling Time: 1220 Depth to Water: 32.80

Sample I.D.: MW-2R Laboratory: Test America Other ____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: Sec 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 #: 150730-MJ1	Site: 8989 San Ramon RD, DUBLIN, CA
Sampler: MJ	Date: 7/30/15
Well I.D.: MW-2RB	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 68.32	Depth to Water (DTW): 32.47
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]: 39.64	

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: _____

5.75 (Gals.) X 3 = 17.25 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
1459	73.1	7.11	770	252	5.75	
1502	71.9	6.86	774	35	11.50	
1505	72.0	6.80	776	19	17.25	

Did well dewater? Yes (No) Gallons actually evacuated: 17.25

Sampling Date: 7/30/15 Sampling Time: 1517 Depth to Water: 34.57

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 #: 150730-MD1	Site: 6949 San Ramon RD, DUBLIN, CA
Sampler: AJ	Date: 7/30/15
Well I.D.: MW-2RC	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 106.30	Depth to Water (DTW): 36.03
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]: 50.08	

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:_____

11.25 (Gals.) X	3	= 33.75 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1416	76.5	7.68	1192	92	11.25	
—	Dewatered @			12 gals	—	
1620						
1620	74.5	7.71	1215	91	—	

Did well dewater? (Yes) No Gallons actually evacuated: 12

Sampling Date: 7/30/15 Sampling Time: 1620 Depth to Water: 85.58 (24HR)

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 #: 150730-MS1	Site: 8999 San Ramon Rd. Dublin, CA
Sampler: WW DS	Date: 7/30/15
Well I.D.: MW-3R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.66	Depth to Water (DTW): ~~34.66~~ 26.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.23	

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: _____

5.3 (Gals.) X	3	=	16 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
0950	72.7	7.68	635	120	5.3	Dirty/Brown
* well Dewatered @ 7.0 gallons						
1330	73.2	7.91	631	111	—	

Did well dewater? (Yes) No Gallons actually evacuated: 7.0

Sampling Date: 7-30-15 Sampling Time: 1330 Depth to Water: ~~26.66~~ 26.66

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

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

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

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 #: 150730-MT1	Site: 8999 San Ramon Rd. Dublin, CA
Sampler: WW DS	Date: 7/30/15
Well I.D.: ~~MW-5R~~ MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 28.43	Depth to Water (DTW): DRY
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

_____(Gals.) X _____ = _____ Gals.
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
* WELL DRY						
	NO SAMPLE TAKEN					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 150730-MS-1	Site: 6999 SAN RAMON RD, DUBLIN, CA
Sampler: WW DS	Date: 7-30-15
Well I.D.: MW-5B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): ~~66.82~~ 66.62	Depth to Water (DTW): 34.83
Depth to Free Product: ~~66.82~~	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]: 41.23	

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
20.8 (Gals.) X	3	= 62.4 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1007	73.1	7.59	908	56.2	20.8	cloudy
1010	70.9	7.51	940	28.7	41.6	cloudy
1013	71.2	7.47	943	23.7	62.4	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 62.4

Sampling Date: 7-30-15 Sampling Time: 1345 Depth to Water: 34.92

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 #: 150730-MJ1	Site: 6999 San Ramon Rd. Dublin CA
Sampler: MW DS	Date: 7-30-15
Well I.D.: MW-5C	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 98.29	Depth to Water (DTW): 38.82
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]: 50.71	

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: ____

39 (Gals.) X 3 = 117 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
1241	72.6	7.82	1207	280	39	
* Dewatered @ 57 gallons						
1355	72.2	7.72	1214	421	—	

Did well dewater? (Yes) No Gallons actually evacuated: 57

Sampling Date: 7/30/15 Sampling Time: 1355 Depth to Water: 45.82

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 #: 150730-MJ1	Site: 8999 San Ramon Rd. Dublin, CA
Sampler: MW DS	Date: 7-30-15
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.28	Depth to Water (DTW): Dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

_____(Gals.) X _____ = _____ Gals.
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
	* Well Dry *					
	- No sample taken -					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 150730-JM-MJ1	Site: 8999 San Ramon Rd. Dublin CA
Sampler: MW DS	Date: 7/30/15
Well I.D.: MW-8B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 68.38	Depth to Water (DTW): 29.93
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]: 37.62	

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: _____

25 (Gals.) X	3	=	75 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	72.4	8.51	727	98.7	25	
* well	Dewatered	@ 39	Gallons			
1315	71.8	7.98	706	~~288~~ (81) 24	—	

Did well dewater? (Yes) No Gallons actually evacuated: 39

Sampling Date: 7/30/15 Sampling Time: 1315 Depth to Water: 30.96

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 #: 150730-JMJ1	Site: 8999 SAN RAMON RD, DUBLIN, CA
Sampler: MW DS	Date: 7-30-15
Well I.D.: MW-11B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 38.34	Depth to Water (DTW): 36.22
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]: 36.64	

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:_____

1.4 (Gals.) X	3	=	4.2 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
1034	69.9	8.40	603	>1000	1.4	
WELL	DEWATERED	@	1.4	GALS	~~2.0~~ @	
1415	75.2	8.41	638	>1000	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1.4

Sampling Date: 7-30-15 Sampling Time: 1415 Depth to Water: 36.22

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 #: 150730-MT1	Site: 8999 San Ramon Rd Dublin, CA
Sampler: WW DS	Date: 7-30-15
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 38.74	Depth to Water (DTW): 35.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.97	

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

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

2.3 (Gals.) X 3 = 6.9 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
1054	70.0	8.0	502	71000	2.3	
1101	69.5	7.45	560	>1000	4.6	
1106	69.4	7.41	563	>1000	6.9	

Did well dewater? Yes (No) Gallons actually evacuated: 6.9

Sampling Date: 7-30-15 Sampling Time: 1110 Depth to Water: 35.74

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

4

SHELL WELL MONITORING DATA SHEET

BTS #: 150730-MS1	Site: 6949 San Ramon RD, DUBLIN, CA
Sampler: MJ	Date: 7/30/15
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 44.61	Depth to Water (DTW): 37.70
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]: 39.08	

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: _____

1.1 (Gals.) X	3 =	3.3 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0940	75.1	5.43	920	71000	1.1	Brown cloudy
0941	72.4	5.65	908	1000	2.2	cloudy
0942	72.1	5.66	892	430	3.3	

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

Sampling Date: 7/30/15 Sampling Time: 0957 Depth to Water: 37.87

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: 5 LL 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 #: 150730-MJ1	Site: Gragg San Ramon Rd, Dublin, CA
Sampler: MJ	Date: 7/30/15
Well I.D.: ~~MW~~ MW-13B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 68.33	Depth to Water (DTW): 35.81
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]: 42.91	

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: ___

5.2 (Gals.) X	3	=	15.6 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
1318	72.7	7.28	876	31	5.2	Clear
1321	72.3	7.09	1024	14	10.4	
1324	72.2	7.01	1102	17	15.6	

Did well dewater? Yes (No) Gallons actually evacuated: 15.6

Sampling Date: 7/30/15 Sampling Time: 1335 Depth to Water: 42.90

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 #: 150730-MW1	Site: 8999 San Ramon Rd, Dublin, CA
Sampler: MJ	Date: 7/30/15
Well I.D.: MW-13C	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 95.25	Depth to Water (DTW): 37.53
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 49.05	

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: ___

9.25 (Gals.) X 3 = 27.75 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
1437	74.9	7.16	1257	72	9.25	
— Dewatered @ 13 gal					—	
1605	77.8	7.80	1220	69.6	—	

Did well dewater? (Yes) No Gallons actually evacuated: 13

Sampling Date: 7/30/15 Sampling Time: 1605 Depth to Water: 39.70

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 #: 150730-MS1	Site: 6969 San Ramon RD, DUBLIN, CA
Sampler: MD	Date: 7/30/15
Well I.D.: MW-14B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 68.11	Depth to Water (DTW): 30.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.84	

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 (Gals.) X	3	=	18 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
1025	72.0	6.72	738	95	6	odor/clear
1030	72.4	6.52	758	27	12	↓
1034	73.8	6.60	748	20	18	↓

Did well dewater? Yes (No) Gallons actually evacuated: 18

Sampling Date: 7/30/15 Sampling Time: 1045 Depth to Water: 35.22

Sample I.D.: MW-14B Laboratory: (TestAmerica) 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 #: 150730-MJ1	Site: 6949 San Ramon RD, DUBLIN, CA
Sampler: MJ	Date: 7/30/15
Well I.D.: MW-14C	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 100.29	Depth to Water (DTW): 35.00
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]: 48.05	

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:_____

10.4 (Gals.) X 3 = 31.2 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
1246	72.0	6.86	1209	77	10.5	
1251	71.3	6.79	1217	57	21	
1255	71.5	6.89	1216	1000	32.5 MJ 31.5	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: 31.5

Sampling Date: 7/30/15 Sampling Time: 1500 Depth to Water: 36.59

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

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 97565995

ADDRESS 6699 San Ramon

DATE: 7/30/15

CITY & STATE Dublin, CA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size						Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-1R	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2R	Standpipe	Flush	G	P	Size (inch) 10		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2RD	Standpipe	Flush	G	P	Size (inch) 10		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2R	Standpipe	Flush	G	P	Size (inch) 10		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3R	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 10		Y	N	G	R	G	R	NL	G	P	water removed from wellbox	Y	N	
MW-5B	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	2/2 tabs stripped	Y	N	
MW-5C	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	water removed	Y	N	
MW-9	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P	2/2 bolts broken in tubs	Y	N	
MW-6B	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
MW-11B	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
TOTAL # CAPS REPLACED = 0												0		= TOTAL # OF LOCKS REPLACED					

Condition of Soil Boring Patches or Abandoned Monitoring Wells:	G	P	N/A	If POOR, Borings/Well IDs or Location Description:	Y	N	
	G						

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA	X	G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
0	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

WILLIAM WONG / BLAINE TECH SERVICES

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 97565995

ADDRESS 6999 Gun Ramon

DATE: 7/20/15

CITY & STATE Dublin, CA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-12	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-13	Standpipe	Flush	G	P	Size (inch) 16	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-13B	Standpipe	Flush	G	P	Size (inch) 10	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-18C	Standpipe	Flush	G	P	Size (inch) 10	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-14B	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-14C	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	2/2 tabs stripped	Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = 0 | 0 = TOTAL # OF LOCKS REPLACED

Condition of Soil Boring Patches or Abandoned Monitoring Wells:	G	P	N/A	If POOR, Borings/Well IDs or Location Description:		Y	N	
						Y	N	

Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted	Photos of Condition		Repair Date and PM Initials
NA		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

Number of Drums On-site	Does the Label Reveal the Source of the Contents			Labeled Correctly and Writing Legible		Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved	Photos of Drum Condition		Date Drums Removed from Site and PM Initials
	Y	N	N/A	Y	N	N/A	G	P	N/A	Y	N	Y	N	N/A		Y	N	

G = Good (Acceptable) R = Replaced

P = Poor (needs attention) NL = No Lock Required

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

* = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Version 2.4, March 2008

All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

JACOB MATHWIG / BLAINE TECH SERVICES

Print or type Name of Field Personnel & Consultant Company

SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Job Number 150824-JDS-8999 San Ramon Rd. Page 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair
					Check Indicates deficiency														
MW-5C							✓		✓								X		
MW-14C							✓										X		

MW-5C
Notes: Retapped 2 tabs minor cracked Apron (SECURE)
Well box type / size: 12" MW Materials used: 2 Bolts

MW-14C
Notes: Retapped 2 tabs
Well box type / size: 8" emco Materials used: 2 bolts

Inspection Point																			

Notes:
Well box type / size: Materials used:

Inspection Point																			

Notes:
Well box type / size: Materials used:

Inspection Point																			

Notes:
Well box type / size: Materials used:

Inspection Point																			

Notes:
Well box type / size: Materials used:

Inspection Point																			

Notes:
Well box type / size: Materials used:

Inspection Point																			

Notes:
Well box type / size: Materials used:

Appendix B
TestAmerica Laboratories, Inc. – Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-116710-1
Client Project/Site: 8999 San Ramon Rd., Dublin, CA

For:
GHD Services Inc.
5900 Hollis Street
Suite A
Emeryville, California 94608

Attn: Peter Schaefer

Heather Clark

Authorized for release by:
8/19/2015 10:13:50 AM

Heather Clark, Project Manager I
(949)261-1022
heather.clark@testamericainc.com

Table of Contents

Sample Summary

Client: GHD Services Inc.
Project/Site: 8999 San Ramon Rd., Dublin, CA

TestAmerica Job ID: 440-116710-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-116710-1	MW-1R	Ground Water	07/30/15 14:25	08/01/15 09:35
440-116710-2	MW-2R	Ground Water	07/30/15 12:25	08/01/15 09:35
440-116710-3	MW-2RB	Ground Water	07/30/15 15:11	08/01/15 09:35
440-116710-4	MW-2RC	Ground Water	07/30/15 16:20	08/01/15 09:35
440-116710-5	MW-3R	Ground Water	07/30/15 13:30	08/01/15 09:35
440-116710-6	MW-5B	Ground Water	07/30/15 13:45	08/01/15 09:35
440-116710-7	MW-5C	Ground Water	07/30/15 13:55	08/01/15 09:35
440-116710-8	MW-8B	Ground Water	07/30/15 13:15	08/01/15 09:35
440-116710-9	MW-11B	Ground Water	07/30/15 14:15	08/01/15 09:35
440-116710-10	MW-12	Ground Water	07/30/15 11:10	08/01/15 09:35
440-116710-11	MW-13	Ground Water	07/30/15 09:57	08/01/15 09:35
440-116710-12	MW-13B	Ground Water	07/30/15 13:35	08/01/15 09:35
440-116710-13	MW-13C	Ground Water	07/30/15 16:05	08/01/15 09:35
440-116710-14	MW-14B	Ground Water	07/30/15 15:00	08/01/15 09:35
440-116710-15	MW-14C	Ground Water	07/30/15 15:00	08/01/15 09:35

Job ID: 440-116710-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-116710-1

Comments
No additional comments.

Receipt
The samples were received on 8/1/2015 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.5º C, 0.7º C, 1.0º C and 2.1º C.

GC/MS VOA
Method(s) 8260B/CA_LUFTMS: The Gasoline Range Organics (GRO) concentration reported for the following samples is due to the presence of discrete peaks: MW-13B (440-116710-12), MW-13C (440-116710-13) and MW-14C (440-116710-15), MW-5B (440-116710-6) and MW-5C (440-116710-7). Methyl tert-butyl ether.

Method(s) 8260B/CA_LUFTMS: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: pH = 7.(440-116504-A-25 MS) and (440-116504-A-25 MSD).

Method(s) 8260B: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, pH of 7 was outside the required criteria when verified by the laboratory, and corrective action was not possible: (440-116504-A-25 MS) and (440-116504-A-25 MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) 8015B: Hydrocarbon result partly due to individual peak in quantitation range: MW-2RB (440-116710-3), MW-5B (440-116710-6), MW-8B (440-116710-8), MW-13B (440-116710-12), MW-13C (440-116710-13), MW-14B (440-116710-14) and MW-14C (440-116710-15)

Method(s) 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-270841 and analytical batch 440-270898. The laboratory control sample (LCS) was performed in duplicate to provide precision data for that batch.

Method(s) 8015B: Surrogate recovery for the following sample was outside control limits (43% with recovery limits 45-120%: MW-2R (440-116710-2). Re-extraction and re-analysis was performed and both sets of results were reported.

Method(s) 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 271419. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.(LCS 440-271419/2-A)

Method(s) 8015B: Hydrocarbon result partly due to individual peak in quantitation range. MW-2R (440-116710-2)

Method(s) 8015B: Surrogate recovery was outside control limits for the following sample either from double surrogate added at extraction or due to a single peak at the same retention time with the Surrogate. : MW-2R (440-116710-2). This was a re-extract and there was no more sample for a new extraction.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3510C SGC: Possibly surrogated twice on the sample.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

Job ID: 440-116710-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample ID: MW-1R

Date Collected: 07/30/15 14:25
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-1

Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 132*		*08/03/15 11:43*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/15 11:43*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*08/03/15 11:43*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 11:43	1
Toluene	ND		0.50		ug/L			08/03/15 11:43	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 11:43	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 11:43	1
Methyl-t-Butyl Ether (MTBE)	**1.6**		0.50		ug/L			08/03/15 11:43	1
tert-Butyl alcohol (TBA)	**290**		10		ug/L			08/03/15 11:43	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 11:43	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 11:43	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/15 11:43*	*1*
Dibromofluoromethane (Surr)	*101*		*76 - 132*		*08/03/15 11:43*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*08/03/15 11:43*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48		ug/L		08/04/15 06:53	08/04/15 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*46*		*45 - 120*	*08/04/15 06:53*	*08/04/15 20:30*	*1*

Client Sample ID: MW-2R

Date Collected: 07/30/15 12:25
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-2

Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**650**		50		ug/L			08/03/15 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 132*		*08/03/15 13:14*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/03/15 13:14*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*08/03/15 13:14*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 13:14	1
Toluene	ND		0.50		ug/L			08/03/15 13:14	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 13:14	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 13:14	1

Client Sample ID: MW-2R

Date Collected: 07/30/15 12:25
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-2

Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 13:14	1
tert-Butyl alcohol (TBA)	**29**		10		ug/L			08/03/15 13:14	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 13:14	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 13:14	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/03/15 13:14*	*1*
Dibromofluoromethane (Surr)	*102*		*76 - 132*		*08/03/15 13:14*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*08/03/15 13:14*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**48**		48		ug/L		08/04/15 06:53	08/07/15 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*43*	*X*	*45 - 120*	*08/04/15 06:53*	*08/07/15 14:22*	*1*

Client Sample ID: MW-2RB

Date Collected: 07/30/15 15:11
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-3

Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*76 - 132*		*08/03/15 13:44*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/15 13:44*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 13:44*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 13:44	1
Toluene	ND		0.50		ug/L			08/03/15 13:44	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 13:44	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 13:44	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 13:44	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 13:44	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 13:44	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 13:44	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/15 13:44*	*1*
Dibromofluoromethane (Surr)	*102*		*76 - 132*		*08/03/15 13:44*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 13:44*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**160**		49		ug/L		08/04/15 06:53	08/04/15 21:09	1

Client Sample ID: MW-2RB

Date Collected: 07/30/15 15:11
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-3
Matrix: Ground Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*45*		*45 - 120*	*08/04/15 06:53*	*08/04/15 21:09*	*1*

Client Sample ID: MW-2RC

Date Collected: 07/30/15 16:20
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-4
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 132*		*08/03/15 14:14*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/15 14:14*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 14:14*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 14:14	1
Toluene	ND		0.50		ug/L			08/03/15 14:14	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 14:14	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 14:14	1
Methyl-t-Butyl Ether (MTBE)	**19**		0.50		ug/L			08/03/15 14:14	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 14:14	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 14:14	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 14:14	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/15 14:14*	*1*
Dibromofluoromethane (Surr)	*104*		*76 - 132*		*08/03/15 14:14*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 14:14*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48		ug/L		08/04/15 06:53	08/04/15 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*56*		*45 - 120*	*08/04/15 06:53*	*08/04/15 21:28*	*1*

Client Sample ID: MW-3R

Date Collected: 07/30/15 13:30
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-5
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*76 - 132*		*08/03/15 14:44*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/03/15 14:44*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*08/03/15 14:44*	*1*

Client Sample ID: MW-3R

Date Collected: 07/30/15 13:30
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-5
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 14:44	1
Toluene	ND		0.50		ug/L			08/03/15 14:44	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 14:44	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 14:44	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 14:44	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 14:44	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 14:44	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 14:44	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/03/15 14:44*	*1*
Dibromofluoromethane (Surr)	*105*		*76 - 132*		*08/03/15 14:44*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*08/03/15 14:44*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48		ug/L		08/04/15 06:53	08/04/15 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*68*		*45 - 120*	*08/04/15 06:53*	*08/04/15 21:48*	*1*

Client Sample ID: MW-5B

Date Collected: 07/30/15 13:45
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-6
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	83		50		ug/L			08/03/15 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 132*		*08/03/15 15:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/15 15:15*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 15:15*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 15:15	1
Toluene	ND		0.50		ug/L			08/03/15 15:15	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 15:15	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 15:15	1
Methyl-t-Butyl Ether (MTBE)	77		0.50		ug/L			08/03/15 15:15	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 15:15	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 15:15	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 15:15	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/15 15:15*	*1*
Dibromofluoromethane (Surr)	*104*		*76 - 132*		*08/03/15 15:15*	*1*

Client Sample ID: MW-5B

Date Collected: 07/30/15 13:45
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-6
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 15:15*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		50		ug/L		08/04/15 06:53	08/04/15 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*66*		*45 - 120*	*08/04/15 06:53*	*08/04/15 22:08*	*1*

Client Sample ID: MW-5C

Date Collected: 07/30/15 13:55
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-7
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**140**		50		ug/L			08/03/15 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*106*		*76 - 132*		*08/03/15 15:45*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/03/15 15:45*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 15:45*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 15:45	1
Toluene	ND		0.50		ug/L			08/03/15 15:45	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 15:45	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 15:45	1
Methyl-t-Butyl Ether (MTBE)	**130**		0.50		ug/L			08/03/15 15:45	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 15:45	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 15:45	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 15:45	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*08/03/15 15:45*	*1*
Dibromofluoromethane (Surr)	*106*		*76 - 132*		*08/03/15 15:45*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 15:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		08/04/15 06:53	08/04/15 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*65*		*45 - 120*	*08/04/15 06:53*	*08/04/15 22:27*	*1*

Client Sample ID: MW-8B

Date Collected: 07/30/15 13:15
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-8

Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*76 - 132*		*08/03/15 16:15*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/15 16:15*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*08/03/15 16:15*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 16:15	1
Toluene	ND		0.50		ug/L			08/03/15 16:15	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 16:15	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 16:15	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 16:15	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 16:15	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 16:15	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 16:15	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/15 16:15*	*1*
Dibromofluoromethane (Surr)	*107*		*76 - 132*		*08/03/15 16:15*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*08/03/15 16:15*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**68**		51		ug/L		08/04/15 06:53	08/04/15 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*69*		*45 - 120*	*08/04/15 06:53*	*08/04/15 22:47*	*1*

Client Sample ID: MW-11B

Date Collected: 07/30/15 14:15
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-9

Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*76 - 132*		*08/03/15 16:45*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/15 16:45*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 16:45*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 16:45	1
Toluene	ND		0.50		ug/L			08/03/15 16:45	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 16:45	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 16:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 16:45	1

Client Sample ID: MW-11B

Date Collected: 07/30/15 14:15
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-9
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 16:45	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 16:45	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 16:45	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/03/15 16:45*	*1*
Dibromofluoromethane (Surr)	*105*		*76 - 132*		*08/03/15 16:45*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 16:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		08/04/15 06:53	08/04/15 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*57*		*45 - 120*	*08/04/15 06:53*	*08/04/15 23:06*	*1*

Client Sample ID: MW-12

Date Collected: 07/30/15 11:10
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-10
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*76 - 132*		*08/03/15 17:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/15 17:15*	*1*
Toluene-d8 (Surr)	*108*		*80 - 128*		*08/03/15 17:15*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 17:15	1
Toluene	ND		0.50		ug/L			08/03/15 17:15	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 17:15	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 17:15	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 17:15	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 17:15	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 17:15	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 17:15	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/15 17:15*	*1*
Dibromofluoromethane (Surr)	*108*		*76 - 132*		*08/03/15 17:15*	*1*
Toluene-d8 (Surr)	*108*		*80 - 128*		*08/03/15 17:15*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48		ug/L		08/04/15 06:53	08/05/15 00:45	1

Client Sample ID: MW-12

Date Collected: 07/30/15 11:10
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-10
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*62*		*45 - 120*	*08/04/15 06:53*	*08/05/15 00:45*	*1*

Client Sample ID: MW-13

Date Collected: 07/30/15 09:57
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-11
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*107*		*76 - 132*		*08/03/15 17:45*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/03/15 17:45*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 17:45*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 17:45	1
Toluene	ND		0.50		ug/L			08/03/15 17:45	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 17:45	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 17:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 17:45	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 17:45	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 17:45	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 17:45	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/03/15 17:45*	*1*
Dibromofluoromethane (Surr)	*107*		*76 - 132*		*08/03/15 17:45*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*08/03/15 17:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48		ug/L		08/04/15 06:53	08/04/15 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*60*		*45 - 120*	*08/04/15 06:53*	*08/04/15 23:26*	*1*

Client Sample ID: MW-13B

Date Collected: 07/30/15 13:35
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-12
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**140**		50		ug/L			08/04/15 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*108*		*76 - 132*		*08/04/15 00:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/04/15 00:12*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*08/04/15 00:12*	*1*

Client Sample ID: MW-13B

Date Collected: 07/30/15 13:35
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-12
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/04/15 00:12	1
Toluene	ND		0.50		ug/L			08/04/15 00:12	1
Ethylbenzene	ND		0.50		ug/L			08/04/15 00:12	1
Xylenes, Total	ND		1.0		ug/L			08/04/15 00:12	1
Methyl-t-Butyl Ether (MTBE)	**140**		0.50		ug/L			08/04/15 00:12	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/04/15 00:12	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/04/15 00:12	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/04/15 00:12	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/04/15 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/04/15 00:12*	*1*
Dibromofluoromethane (Surr)	*108*		*76 - 132*		*08/04/15 00:12*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*08/04/15 00:12*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1600**		48		ug/L		08/04/15 06:53	08/04/15 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*70*		*45 - 120*	*08/04/15 06:53*	*08/04/15 23:46*	*1*

Client Sample ID: MW-13C

Date Collected: 07/30/15 16:05
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-13
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**140**		50		ug/L			08/04/15 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*76 - 132*		*08/04/15 00:41*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/04/15 00:41*	*1*
Toluene-d8 (Surr)	*112*		*80 - 128*		*08/04/15 00:41*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/04/15 00:41	1
Toluene	ND		0.50		ug/L			08/04/15 00:41	1
Ethylbenzene	ND		0.50		ug/L			08/04/15 00:41	1
Xylenes, Total	ND		1.0		ug/L			08/04/15 00:41	1
Methyl-t-Butyl Ether (MTBE)	**130**		0.50		ug/L			08/04/15 00:41	1
tert-Butyl alcohol (TBA)	**17**		10		ug/L			08/04/15 00:41	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/04/15 00:41	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/04/15 00:41	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/04/15 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/04/15 00:41*	*1*
Dibromofluoromethane (Surr)	*107*		*76 - 132*		*08/04/15 00:41*	*1*

Client Sample ID: MW-13C

Date Collected: 07/30/15 16:05
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-13
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*80 - 128*		*08/04/15 00:41*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**330**		48		ug/L		08/04/15 06:53	08/05/15 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*71*		*45 - 120*	*08/04/15 06:53*	*08/05/15 00:06*	*1*

Client Sample ID: MW-14B

Date Collected: 07/30/15 15:00
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-14
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/04/15 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*112*		*76 - 132*		*08/04/15 01:11*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/04/15 01:11*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*08/04/15 01:11*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/04/15 01:11	1
Toluene	ND		0.50		ug/L			08/04/15 01:11	1
Ethylbenzene	ND		0.50		ug/L			08/04/15 01:11	1
Xylenes, Total	ND		1.0		ug/L			08/04/15 01:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/04/15 01:11	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/04/15 01:11	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/04/15 01:11	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/04/15 01:11	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/04/15 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/04/15 01:11*	*1*
Dibromofluoromethane (Surr)	*112*		*76 - 132*		*08/04/15 01:11*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*08/04/15 01:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**320**		48		ug/L		08/04/15 06:53	08/05/15 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*63*		*45 - 120*	*08/04/15 06:53*	*08/05/15 01:04*	*1*

Client Sample ID: MW-14C
Date Collected: 07/30/15 15:00
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-15
Matrix: Ground Water

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	83		50		ug/L			08/04/15 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*111*		*76 - 132*		*08/04/15 01:40*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/04/15 01:40*	*1*
Toluene-d8 (Surr)	*112*		*80 - 128*		*08/04/15 01:40*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/04/15 01:40	1
Toluene	ND		0.50		ug/L			08/04/15 01:40	1
Ethylbenzene	ND		0.50		ug/L			08/04/15 01:40	1
Xylenes, Total	ND		1.0		ug/L			08/04/15 01:40	1
Methyl-t-Butyl Ether (MTBE)	53		0.50		ug/L			08/04/15 01:40	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/04/15 01:40	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/04/15 01:40	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/04/15 01:40	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/04/15 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/04/15 01:40*	*1*
Dibromofluoromethane (Surr)	*111*		*76 - 132*		*08/04/15 01:40*	*1*
Toluene-d8 (Surr)	*112*		*80 - 128*		*08/04/15 01:40*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	63		48		ug/L		08/04/15 06:53	08/05/15 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*68*		*45 - 120*	*08/04/15 06:53*	*08/05/15 00:25*	*1*

Method Summary

Client: GHD Services Inc.
Project/Site: 8999 San Ramon Rd., Dublin, CA

TestAmerica Job ID: 440-116710-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTMS	Volatile Organic Compounds by GC/MS	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	TAL IRV

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 8999 San Ramon Rd., Dublin, CA

TestAmerica Job ID: 440-116710-1

Client Sample ID: MW-1R

Lab Sample ID: 440-116710-1

Date Collected: 07/30/15 14:25

Matrix: Ground Water

Date Received: 08/01/15 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 11:43	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 11:43	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1035 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1035 mL	1 mL	270898	08/04/15 20:30	QCT	TAL IRV

Client Sample ID: MW-2R

Lab Sample ID: 440-116710-2

Date Collected: 07/30/15 12:25

Matrix: Ground Water

Date Received: 08/01/15 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 13:14	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 13:14	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1055 mL	1 mL	271419	08/06/15 07:16	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1055 mL	1 mL	271489	08/06/15 19:40	CN	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1045 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1045 mL	1 mL	271769	08/07/15 14:22	CN	TAL IRV

Client Sample ID: MW-2RB

Lab Sample ID: 440-116710-3

Date Collected: 07/30/15 15:11

Matrix: Ground Water

Date Received: 08/01/15 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 13:44	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 13:44	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1030 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1030 mL	1 mL	270898	08/04/15 21:09	QCT	TAL IRV

Client Sample ID: MW-2RC

Lab Sample ID: 440-116710-4

Date Collected: 07/30/15 16:20

Matrix: Ground Water

Date Received: 08/01/15 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 14:14	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 14:14	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1050 mL	1 mL	270898	08/04/15 21:28	QCT	TAL IRV

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 8999 San Ramon Rd., Dublin, CA

TestAmerica Job ID: 440-116710-1

Client Sample ID: MW-3R

Date Collected: 07/30/15 13:30
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 14:44	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 14:44	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1045 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1045 mL	1 mL	270898	08/04/15 21:48	QCT	TAL IRV

Client Sample ID: MW-5B

Date Collected: 07/30/15 13:45
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 15:15	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 15:15	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1010 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1010 mL	1 mL	270898	08/04/15 22:08	QCT	TAL IRV

Client Sample ID: MW-5C

Date Collected: 07/30/15 13:55
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 15:45	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 15:45	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			995 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	995 mL	1 mL	270898	08/04/15 22:27	QCT	TAL IRV

Client Sample ID: MW-8B

Date Collected: 07/30/15 13:15
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 16:15	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 16:15	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			985 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	985 mL	1 mL	270898	08/04/15 22:47	QCT	TAL IRV

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 8999 San Ramon Rd., Dublin, CA

TestAmerica Job ID: 440-116710-1

Client Sample ID: MW-11B

Date Collected: 07/30/15 14:15
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-9

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 16:45	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 16:45	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			995 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	995 mL	1 mL	270898	08/04/15 23:06	QCT	TAL IRV

Client Sample ID: MW-12

Date Collected: 07/30/15 11:10
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-10

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 17:15	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 17:15	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1035 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1035 mL	1 mL	270898	08/05/15 00:45	QCT	TAL IRV

Client Sample ID: MW-13

Date Collected: 07/30/15 09:57
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-11

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270611	08/03/15 17:45	HR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270612	08/03/15 17:45	HR	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1045 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1045 mL	1 mL	270898	08/04/15 23:26	QCT	TAL IRV

Client Sample ID: MW-13B

Date Collected: 07/30/15 13:35
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-12

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270730	08/04/15 00:12	MM1	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270731	08/04/15 00:12	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1050 mL	1 mL	270898	08/04/15 23:46	QCT	TAL IRV

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 8999 San Ramon Rd., Dublin, CA

TestAmerica Job ID: 440-116710-1

Client Sample ID: MW-13C

Date Collected: 07/30/15 16:05
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-13

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270730	08/04/15 00:41	MM1	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270731	08/04/15 00:41	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1035 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1035 mL	1 mL	270898	08/05/15 00:06	QCT	TAL IRV

Client Sample ID: MW-14B

Date Collected: 07/30/15 15:00
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-14

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270730	08/04/15 01:11	MM1	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270731	08/04/15 01:11	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1050 mL	1 mL	270898	08/05/15 01:04	QCT	TAL IRV

Client Sample ID: MW-14C

Date Collected: 07/30/15 15:00
Date Received: 08/01/15 09:35

Lab Sample ID: 440-116710-15

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	270730	08/04/15 01:40	MM1	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	270731	08/04/15 01:40	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	270841	08/04/15 06:53	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1	1050 mL	1 mL	270898	08/05/15 00:25	QCT	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-270611/4
Matrix: Water
Analysis Batch: 270611

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 08:10	1
Toluene	ND		0.50		ug/L			08/03/15 08:10	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 08:10	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 08:10	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 08:10	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 08:10	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 08:10	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 08:10	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 08:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/15 08:10*	*1*
Dibromofluoromethane (Surr)	*101*		*76 - 132*		*08/03/15 08:10*	*1*
Toluene-d8 (Surr)	*112*		*80 - 128*		*08/03/15 08:10*	*1*

Lab Sample ID: LCS 440-270611/5
Matrix: Water
Analysis Batch: 270611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.2		ug/L		93	68 - 130
Toluene	25.0	22.6		ug/L		90	70 - 130
Ethylbenzene	25.0	23.8		ug/L		95	70 - 130
m,p-Xylene	25.0	24.2		ug/L		97	70 - 130
o-Xylene	25.0	23.1		ug/L		92	70 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	23.4		ug/L		94	63 - 131
tert-Butyl alcohol (TBA)	250	281		ug/L		113	70 - 130
Isopropyl Ether (DIPE)	25.0	23.3		ug/L		93	58 - 139
Ethyl-t-butyl ether (ETBE)	25.0	23.2		ug/L		93	60 - 136
Tert-amyl-methyl ether (TAME)	25.0	22.7		ug/L		91	57 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*76 - 132*
Toluene-d8 (Surr)	*108*		*80 - 128*

Lab Sample ID: 440-116710-1 MS
Matrix: Ground Water
Analysis Batch: 270611

Client Sample ID: MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	24.1		ug/L		96	66 - 130
Toluene	ND		25.0	23.9		ug/L		96	70 - 130
Ethylbenzene	ND		25.0	25.4		ug/L		101	70 - 130
m,p-Xylene	ND		25.0	25.7		ug/L		103	70 - 133
o-Xylene	ND		25.0	24.5		ug/L		98	70 - 133
Methyl-t-Butyl Ether (MTBE)	1.6		25.0	26.4		ug/L		99	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-116710-1 MS
Matrix: Ground Water
Analysis Batch: 270611

Client Sample ID: MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butyl alcohol (TBA)	290		250	578		ug/L		114	70 - 130
Isopropyl Ether (DIPE)	ND		25.0	23.8		ug/L		95	64 - 138
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.1		ug/L		96	70 - 130
Tert-amyl-methyl ether (TAME)	ND		25.0	23.3		ug/L		93	68 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*76 - 132*
Toluene-d8 (Surr)	*107*		*80 - 128*

Lab Sample ID: 440-116710-1 MSD
Matrix: Ground Water
Analysis Batch: 270611

Client Sample ID: MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	24.8		ug/L		99	66 - 130	3	20
Toluene	ND		25.0	24.0		ug/L		96	70 - 130	0	20
Ethylbenzene	ND		25.0	25.6		ug/L		102	70 - 130	1	20
m,p-Xylene	ND		25.0	25.8		ug/L		103	70 - 133	0	25
o-Xylene	ND		25.0	25.1		ug/L		100	70 - 133	2	20
Methyl-t-Butyl Ether (MTBE)	1.6		25.0	27.2		ug/L		102	70 - 130	3	25
tert-Butyl alcohol (TBA)	290		250	598		ug/L		122	70 - 130	3	25
Isopropyl Ether (DIPE)	ND		25.0	25.1		ug/L		100	64 - 138	5	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.8		ug/L		99	70 - 130	3	25
Tert-amyl-methyl ether (TAME)	ND		25.0	24.2		ug/L		97	68 - 133	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*76 - 132*
Toluene-d8 (Surr)	*106*		*80 - 128*

Lab Sample ID: MB 440-270730/4
Matrix: Water
Analysis Batch: 270730

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/03/15 17:20	1
Toluene	ND		0.50		ug/L			08/03/15 17:20	1
Ethylbenzene	ND		0.50		ug/L			08/03/15 17:20	1
Xylenes, Total	ND		1.0		ug/L			08/03/15 17:20	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/03/15 17:20	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/03/15 17:20	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/03/15 17:20	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/03/15 17:20	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/03/15 17:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-270730/4
Matrix: Water
Analysis Batch: 270730

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		08/03/15 17:20	1
Dibromofluoromethane (Surr)	104		76 - 132		08/03/15 17:20	1
Toluene-d8 (Surr)	111		80 - 128		08/03/15 17:20	1

Lab Sample ID: LCS 440-270730/5
Matrix: Water
Analysis Batch: 270730

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.8		ug/L		103	68 - 130
Toluene	25.0	26.0		ug/L		104	70 - 130
Ethylbenzene	25.0	26.1		ug/L		104	70 - 130
m,p-Xylene	25.0	28.3		ug/L		113	70 - 130
o-Xylene	25.0	27.4		ug/L		110	70 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	25.5		ug/L		102	63 - 131
tert-Butyl alcohol (TBA)	250	290		ug/L		116	70 - 130
Isopropyl Ether (DIPE)	25.0	26.3		ug/L		105	58 - 139
Ethyl-t-butyl ether (ETBE)	25.0	26.5		ug/L		106	60 - 136
Tert-amyl-methyl ether (TAME)	25.0	24.6		ug/L		98	57 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	104		76 - 132
Toluene-d8 (Surr)	106		80 - 128

Lab Sample ID: 440-116504-A-25 MS
Matrix: Water
Analysis Batch: 270730

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	25.7		ug/L		103	66 - 130
Toluene	ND		25.0	26.3		ug/L		105	70 - 130
Ethylbenzene	ND		25.0	26.2		ug/L		105	70 - 130
m,p-Xylene	ND		25.0	28.5		ug/L		114	70 - 133
o-Xylene	ND		25.0	27.5		ug/L		110	70 - 133
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.3		ug/L		101	70 - 130
tert-Butyl alcohol (TBA)	ND		250	277		ug/L		111	70 - 130
Isopropyl Ether (DIPE)	ND		25.0	26.4		ug/L		105	64 - 138
Ethyl-t-butyl ether (ETBE)	ND		25.0	26.8		ug/L		107	70 - 130
Tert-amyl-methyl ether (TAME)	ND		25.0	24.6		ug/L		98	68 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	106		76 - 132
Toluene-d8 (Surr)	107		80 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-116504-A-25 MSD
Matrix: Water
Analysis Batch: 270730

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	25.8		ug/L		103	66 - 130	0	20
Toluene	ND		25.0	26.1		ug/L		104	70 - 130	1	20
Ethylbenzene	ND		25.0	26.4		ug/L		105	70 - 130	1	20
m,p-Xylene	ND		25.0	28.3		ug/L		113	70 - 133	0	25
o-Xylene	ND		25.0	27.5		ug/L		110	70 - 133	0	20
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.9		ug/L		104	70 - 130	2	25
tert-Butyl alcohol (TBA)	ND		250	285		ug/L		114	70 - 130	3	25
Isopropyl Ether (DIPE)	ND		25.0	26.4		ug/L		106	64 - 138	0	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	26.9		ug/L		108	70 - 130	1	25
Tert-amyl-methyl ether (TAME)	ND		25.0	24.9		ug/L		100	68 - 133	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*76 - 132*
Toluene-d8 (Surr)	*107*		*80 - 128*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 440-270612/4
Matrix: Water
Analysis Batch: 270612

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 08:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*76 - 132*		*08/03/15 08:10*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/03/15 08:10*	*1*
Toluene-d8 (Surr)	*112*		*80 - 128*		*08/03/15 08:10*	*1*

Lab Sample ID: LCS 440-270612/6
Matrix: Water
Analysis Batch: 270612

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	413		ug/L		83	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*76 - 132*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 128*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 440-116710-1 MS
Matrix: Ground Water
Analysis Batch: 270612

Client Sample ID: MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	2030		ug/L		117	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*76 - 132*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 128*

Lab Sample ID: 440-116710-1 MSD
Matrix: Ground Water
Analysis Batch: 270612

Client Sample ID: MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	2030		ug/L		118	50 - 145	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*103*		*76 - 132*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 128*

Lab Sample ID: MB 440-270731/4
Matrix: Water
Analysis Batch: 270731

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/03/15 17:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*76 - 132*		*08/03/15 17:20*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/03/15 17:20*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*08/03/15 17:20*	*1*

Lab Sample ID: LCS 440-270731/6
Matrix: Water
Analysis Batch: 270731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	573		ug/L		115	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*76 - 132*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*111*		*80 - 128*

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 440-116504-A-25 MS
Matrix: Water
Analysis Batch: 270731

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	330		1730	2750		ug/L		140	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*76 - 132*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 128*

Lab Sample ID: 440-116504-A-25 MSD
Matrix: Water
Analysis Batch: 270731

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	330		1730	2760		ug/L		141	50 - 145	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*76 - 132*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 128*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 440-270841/1-A
Matrix: Water
Analysis Batch: 270898

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 270841

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		08/04/15 06:53	08/04/15 19:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*58*		*45 - 120*	*08/04/15 06:53*	*08/04/15 19:31*	*1*

Lab Sample ID: LCS 440-270841/2-A
Matrix: Water
Analysis Batch: 270898

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 270841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	1000	471		ug/L		47	40 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*63*		*45 - 120*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: LCSD 440-270841/3-A
Matrix: Water
Analysis Batch: 270898

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 270841

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			1000	500		ug/L		50	40 - 115	6	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*62*		*45 - 120*

Lab Sample ID: MB 440-271419/1-A
Matrix: Water
Analysis Batch: 271489

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 271419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		08/06/15 07:16	08/06/15 18:41	1

Lab Sample ID: LCS 440-271419/2-A
Matrix: Water
Analysis Batch: 271489

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 271419

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			1000	483		ug/L		48	40 - 115

Lab Sample ID: LCSD 440-271419/3-A
Matrix: Water
Analysis Batch: 271489

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 271419

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			1000	428		ug/L		43	40 - 115	12	25

GC/MS VOA

Analysis Batch: 270611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-1	MW-1R	Total/NA	Ground Water	8260B	
440-116710-1 MS	MW-1R	Total/NA	Ground Water	8260B	
440-116710-1 MSD	MW-1R	Total/NA	Ground Water	8260B	
440-116710-2	MW-2R	Total/NA	Ground Water	8260B	
440-116710-3	MW-2RB	Total/NA	Ground Water	8260B	
440-116710-4	MW-2RC	Total/NA	Ground Water	8260B	
440-116710-5	MW-3R	Total/NA	Ground Water	8260B	
440-116710-6	MW-5B	Total/NA	Ground Water	8260B	
440-116710-7	MW-5C	Total/NA	Ground Water	8260B	
440-116710-8	MW-8B	Total/NA	Ground Water	8260B	
440-116710-9	MW-11B	Total/NA	Ground Water	8260B	
440-116710-10	MW-12	Total/NA	Ground Water	8260B	
440-116710-11	MW-13	Total/NA	Ground Water	8260B	
LCS 440-270611/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-270611/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 270612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-1	MW-1R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-1 MS	MW-1R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-1 MSD	MW-1R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-2	MW-2R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-3	MW-2RB	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-4	MW-2RC	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-5	MW-3R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-6	MW-5B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-7	MW-5C	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-8	MW-8B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-9	MW-11B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-10	MW-12	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-11	MW-13	Total/NA	Ground Water	8260B/CA_LUFT MS	
LCS 440-270612/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-270612/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 270730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116504-A-25 MS	Matrix Spike	Total/NA	Water	8260B	
440-116504-A-25 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
440-116710-12	MW-13B	Total/NA	Ground Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 270730 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-13	MW-13C	Total/NA	Ground Water	8260B	
440-116710-14	MW-14B	Total/NA	Ground Water	8260B	
440-116710-15	MW-14C	Total/NA	Ground Water	8260B	
LCS 440-270730/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-270730/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 270731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116504-A-25 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-116504-A-25 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
440-116710-12	MW-13B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-13	MW-13C	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-14	MW-14B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-116710-15	MW-14C	Total/NA	Ground Water	8260B/CA_LUFT MS	
LCS 440-270731/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-270731/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 270841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-1	MW-1R	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-2	MW-2R	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-3	MW-2RB	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-4	MW-2RC	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-5	MW-3R	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-6	MW-5B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-7	MW-5C	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-8	MW-8B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-9	MW-11B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-10	MW-12	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-11	MW-13	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-12	MW-13B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-13	MW-13C	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-14	MW-14B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-116710-15	MW-14C	Silica Gel Cleanup	Ground Water	3510C SGC	
LCS 440-270841/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 440-270841/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 440-270841/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 270898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-1	MW-1R	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-3	MW-2RB	Silica Gel Cleanup	Ground Water	8015B	270841

GC Semi VOA (Continued)

Analysis Batch: 270898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-4	MW-2RC	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-5	MW-3R	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-6	MW-5B	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-7	MW-5C	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-8	MW-8B	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-9	MW-11B	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-10	MW-12	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-11	MW-13	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-12	MW-13B	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-13	MW-13C	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-14	MW-14B	Silica Gel Cleanup	Ground Water	8015B	270841
440-116710-15	MW-14C	Silica Gel Cleanup	Ground Water	8015B	270841
LCS 440-270841/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	270841
LCSD 440-270841/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	270841
MB 440-270841/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	270841

Prep Batch: 271419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-2	MW-2R	Silica Gel Cleanup	Ground Water	3510C SGC	
LCS 440-271419/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 440-271419/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 440-271419/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 271489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-2	MW-2R	Silica Gel Cleanup	Ground Water	8015B	271419
LCS 440-271419/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	271419
LCSD 440-271419/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	271419
MB 440-271419/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	271419

Analysis Batch: 271769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-116710-2	MW-2R	Silica Gel Cleanup	Ground Water	8015B	270841

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: GHD Services Inc.
Project/Site: 8999 San Ramon Rd., Dublin, CA

TestAmerica Job ID: 440-116710-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-16
Arizona	State Program	9	AZ0671	10-13-15
California	LA Cty Sanitation Districts	9	10256	01-31-16 *
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-16
Hawaii	State Program	9	N/A	01-29-16
Nevada	State Program	9	CA015312007A	07-31-16 *
New Mexico	State Program	6	N/A	01-29-16
Northern Mariana Islands	State Program	9	MP0002	01-29-16
Oregon	NELAP	10	4005	01-29-16
USDA	Federal		P330-09-00080	07-08-18

* Certification renewal pending - certification considered valid.

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: 240724 Peter Schaefer

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

PO #:

SAP #: 1 3 5 2 4 4

DATE: 7-30-15

PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS
ADDRESS: 1680 Rogers Avenue, San Jose, CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Bart Gebbie	
TELEPHONE: (310) 885-4455 x 103	FAX: (310) 637-5802
E-MAIL: bgebbie@blainetech.com	

SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin	State: CA
GLOBAL ID NO.: T0600159797	
EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville, CA	PHONE NO.: 510-420-3335
E-MAIL: ShellEDF@CRAWorld.com Shell-US-LabDataManagement@CRAworld.co	CONSULTANT PROJECT NO.: 240724-95-11.05
SAMPLER NAME(S) (Print): Darren Suto, William Wong, Jacob Mathwig	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:

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

1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabeddupload.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 pschaefer@CRAWorld.com

Email invoice to Shell.Lab.Billing@craworld.com

Run TPH-D with Silica Gel Clean Up

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

REQUESTED ANALYSIS

440-116710 Chain of Custody

TEMPERATURE ON RECEIPT °C

LAB USE ONLY		PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	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	150730-MW-	07/30/15	DS	MW-1R	1425	WG	3			2		5	X	X				X							
	↓	↓	073015	MJ	MW-2R	1220	↓	3			2		5	X	X				X							
			↓	MJ	MW-2RB	1517		3			2		5	X	X				X							
				MJW	MW-2RC	1620		3			2		5	X	X				X							
				DS	MW-3R	1330		3			2		5	X	X				X							60 8/3/15 12:30
				DS	MW-5B	1345		3			2		5	X	X				X							
				DS	MW-5C	1355		3			2		5	X	X				X							
				DS	MW-8B	1315		3			2		5	X	X				X							
				DS	MW-11B	1415		3			2		5	X	X				X							
				DS	MW-12	1110		3			2		5	X	X				X							

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] Sample Custodian	7-30-15	1751
[signature] (Sample Custodian)	[signature]	7/31/15	1032
[signature]	[signature]	7-31-15	1400

RCD @ IRVINE: [initials] TAI 64236882 1323 08/01/15 09:35

0.3/0.5, 0.5/0.7, 0.8/1.0, 1.9/2.1°C IR-74

1.5, 2.0, 2.0°C

Page 34 of 36

8/19/2015

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: 240724 Peter Schaefer

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

PO #:

SAP #: 1 3 5 2 4 4

DATE: 7-30-15
PAGE: 2 of 2

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E-MAIL: bgebbie@blainetech.com	

SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin	State: CA
GLOBAL ID NO.: T0600159797	
EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville, CA	PHONE NO.: 510-420-3335
E-MAIL: ShellEDF@CRAWorld.com, Shell-US-LabDataManagement@CRAworld.co	CONSULTANT PROJECT NO.: 240724-65-11.05
SAMPLER NAME(S) (Print): William Wong / Darren Soto / Jacob Mathwig	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:

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

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	WG	150730-MJ1	073015	MJ	MW13	0957	WG	3			2		5	X	X				X							
	↓	↓	↓	MJ	MW13B	1335	↓	3			2		5	X	X				X							
	↓	↓	↓	WW	MW-13C	1605	↓	3			2		5	X	X				X							MW-13C
	↓	↓	↓	WW	MW-14B	1500	↓	3			2		5	X	X				X							MW-14B
	↓	↓	073015	DS	MW-14C	1500		3			2		5	X	X				X							

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature] SAMPLE CUSTODIAN	7-30-15	1751
[signature] (Sample Custodian)	[signature]	7/31/15	1032
[signature]	[signature]	7-31-15	1400

RCD @ IRVINE: NAL TA1 64256882 1323 0.3/0.5, 0.5/0.7, 0.8/1.0°C IR-74

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 440-116710-1

Login Number: 116710
List Number: 1
Creator: Kim, Guerry

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	