Equilon Enterprises LLC dba Shell Oil Products US
DS Soil & Groundwater Focus Delivery Group
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Carson, CA 90810
Tel (323) 291 9595
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Email Deborah.Pryor@shell.com
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Ms. Anne Jurek
Alameda County Environmental Health
1131 Harbor Parkway, Suite 250
Alameda, CA 94502-6577

May 2, 2017

RE: 8999 San Ramon Road, Dublin, California
PlaNet Site ID 10007871
PlaNet Project ID 33028
ACEH Case No. RO0002744

RECEIVED
By Alameda County Environmental Health 9:27 am, May 15, 2017

Dear Ms. Jurek:

I am informed and believe that, based on a reasonably diligent inquiry undertaken by AECOM on behalf of Equilon Enterprises LLC dba Shell Oil Products US, the information and/or recommendations contained in the attached document is true, and on that ground I declare under penalty of perjury in accordance with Water Code section 13267 that this statement is true and correct.

As always, please feel free to contact me directly at (323) 291-9595 with any questions or concerns.

Sincerely,
Equilon Enterprises LLC dba Shell Oil Products US

Deborah R. Pryor

Deborah Pryor
Senior Program Manager

AECOM
300 Lakeside Drive
Suite 400
Oakland, CA 94612
www.aecom.com

510-894-3600 tel
510-874-3268 fax

May 2, 2017

Anne Jurek
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: First Semiannual 2017 Groundwater Monitoring Report
Shell-Branded Service Station
8999 San Ramon Road, Dublin, California
Shell PlaNet Site ID: 10007871
Shell PlaNet Project ID: 33028
Agency No. RO0002744

Dear Ms Jurek:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US, AECOM Technical Services, Inc. is pleased to submit this report for groundwater monitoring performed during the first quarter of 2017 at the Shell-Branded Service Station located at 8999 San Ramon Road in Dublin, California.

If you have any questions regarding this submittal, please contact Shane Olton at (916) 414-5849 or Shane.Olton@AECOM.com.

Sincerely,

Hunter Snyder
Geologist

Shane Olton, P.G.
Project Manager

Enclosures: First Semiannual 2017 Groundwater Monitoring Report

cc: Deborah Pryor, Equilon Enterprises LLC dba Shell Oil Products US
Colleen Winey, Zone 7 Water Agency
Carl Cox, C and J Cox Corporation (Property Owner)

AECOM

First Semiannual 2017 Groundwater Monitoring Report

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

May 2017

AECOM

First Semiannual 2017 Groundwater Monitoring Report

Shell-Branded Service Station
8999 San Ramon Road
Dublin California

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

Submitted to:

Anne Jurek
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Submitted by:

AECOM Technical Services, Inc.
300 Lakeside Drive, Suite 400
Oakland, California 94612

On Behalf of

Equilon Enterprises LLC dba Shell Oil Products US

May 2, 2017

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1 Introduction

AECOM Technical Services, Inc. (AECOM) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Equilon).

1.1 Site Information

Site Name:	Shell-Branded Service Station
Site Address:	8999 San Ramon Road, Dublin, California
Equilon Environmental Services Program Manager:	Deborah Pryor
Consulting Company / Contact Person:	AECOM / Shane Olton
Primary Agency:	Alameda County Department of Environmental Health (ACDEH)

1.2 Site Summary

Frequency of Groundwater Monitoring:	Semiannual
Wells Water Level Gauged:	17
Wells Sampled:	17
Is there any Free Product Present in On-Site Monitoring Wells:	No
Current Remediation Activity:	None

2 Site Activities

2.1 Current Activities

On January 19, 2017, Blaine Tech Services, Inc. (Blaine Tech) of San Jose, California gauged and sampled the wells according to the established monitoring program for this site. TestAmerica Laboratories, Inc. of Pleasanton, California, a certified California laboratory, completed the analyses of the groundwater samples.

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

The third quarter 2014 groundwater monitoring report indicated that diesel was detected in select wells due partially to an individual peak in the quantitation range. Per the request of the ACDEH semi-volatile organic compounds (SVOCs) with tentatively identified compounds (TICs) are analyzed if total petroleum hydrocarbons as diesel (TPHd) are detected above the laboratory method reporting limit in wells MW-2RC, MW-13C, and MW-14C.

2.2 Current Findings

Shallow Groundwater Elevation:	377.34 to 394.50 feet above mean sea level (amsl)
Shallow Groundwater Gradient (direction):	Southeast
Shallow Groundwater Gradient (magnitude):	0.06 feet per foot
Intermediate Groundwater Elevation:	384.94 to 388.78 feet amsl
Intermediate Groundwater Gradient (direction):	Southwest
Intermediate Groundwater Gradient (magnitude):	0.02 feet per foot
Deeper Groundwater Elevation:	380.69 to 383.58 feet amsl
Deeper Groundwater Gradient (direction):	East
Deeper Groundwater Gradient (magnitude):	0.03 feet per foot

2.3 Proposed Activities

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

AECOM is working on deliverables requested by the ACDEH in a directive dated August 9, 2016, an email dated August 22, 2016, and during a meeting on September 22, 2016. The directive was in response to GHDs *Closure Request*, dated June 10, 2016.

3 Conclusions and Recommendations

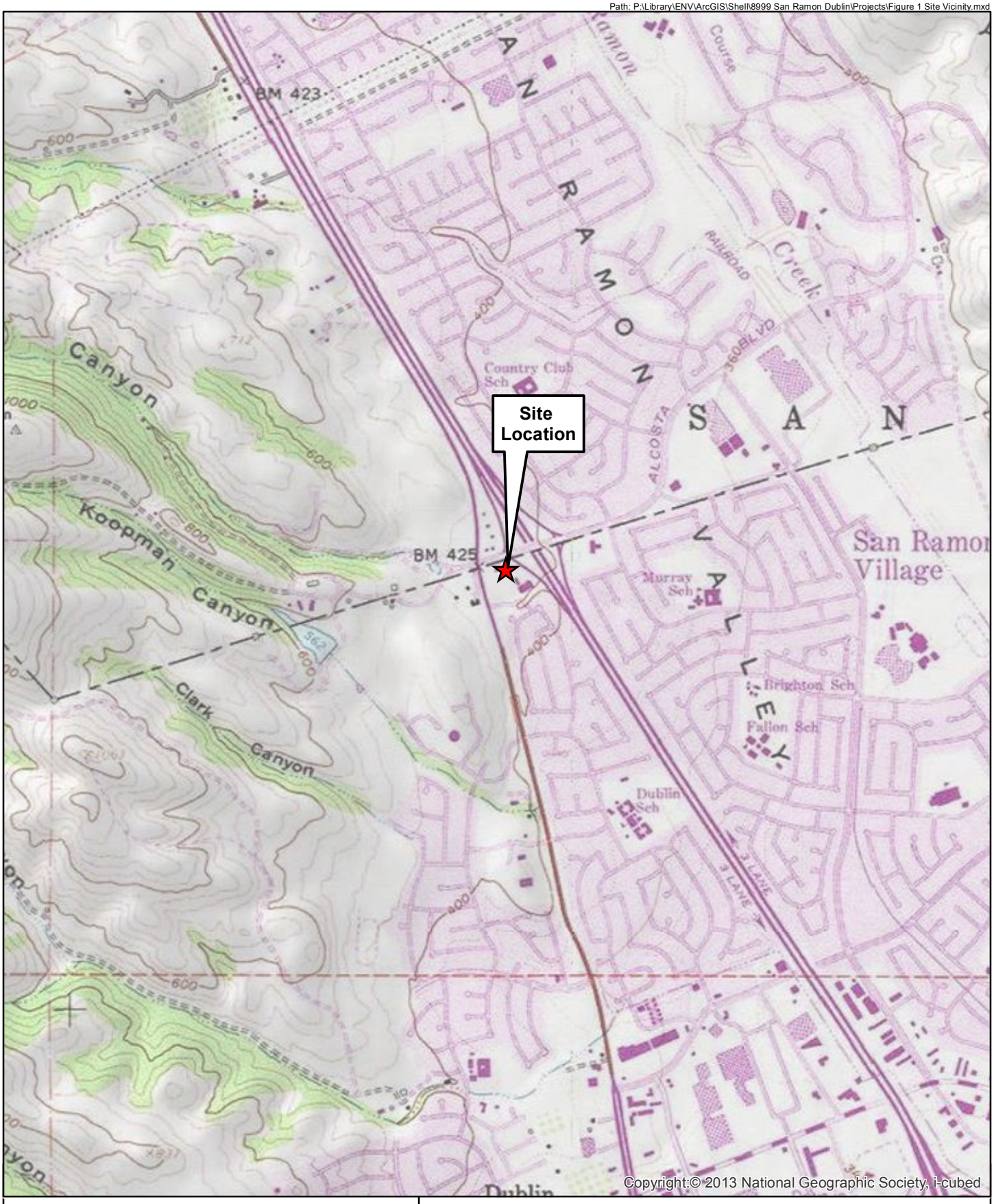
Seventeen wells were gauged, sampled, and analyzed for TPHd, total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates: methyl tertiary-butyl ether (MTBE), tertiary-butyl alcohol (TBA), di-isopropyl ether, ethyl tertiary-butyl ether, and tertiary-amyl methyl ether. No BTEX or fuel oxygenates other than MTBE and TBA were detected. MW-13C and MW-14C were additionally analyzed for SVOCs with TICs. SVOCs with TICs were not analyzed in the sample collected from MW-2RC as TPHd was not detected.

- TPHd was detected in ten wells at concentrations ranging from 63 micrograms per liter (µg/L) (MW-8) to 2,000 µg/L (MW-5).
- TPHg was detected in six wells at concentrations ranging from 53 µg/L (MW-5B) to 570 µg/L (MW-2R).
- MTBE was detected in eight wells at concentrations ranging from 0.93 µg/L (MW-1R) to 170 µg/L (MW-13C).
- TBA was detected two wells at concentrations ranging from 80 µg/L (MW-2R) to 370 µg/L (MW-1R).
- SVOCs were not detected in any of the sampled wells (MW-13C and MW-14C). One unknown TIC was detected from MW-13C at a concentration of 12 µg/L. Di-2-Ethylhexyl chloroformate and 3 unknown TICs were detected in MW-14C at concentrations ranging from 100 µg/L to 2,200 µg/L.

AECOM recommends continuing with the established groundwater monitoring program for this site.

Figures

Path: P:\Library\ENV\ArcGIS\Shell\8999 San Ramon Dublin\Projects\Figure 1 Site Vicinity.mxd



N

0 2,000 4,000

Feet

Figure 1
Site Vicinity Map

AECOM

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

ALCOSTA BOULEVARD

I-680 ON-RAMP

SAN RAMON ROAD

MW-3R
394.50
<0.50
<0.50
<10

MW-8
390.86
<0.50
<0.50
<10

MW-12
379.99
<0.50
<0.50
<10

MW-1R
394.46
<0.50
0.93
370

MW-2R
390.19
<0.50
<0.50
80

MW-5
389.60
<0.50
<0.50
<10

MW-13
383.81
<0.50
0.79
<10

MW-11B
377.34
<0.50
<0.50
<10

MW-3R, MW-4, MW-12, GP-12, GP-11, GP-13, GP-9, GP-10, Canopy, Dispenser Islands, Kiosk, GP-7, GP-8, MW-6, MW-10, CPT-1, GP-6, GP-5, MW-3, USTs, GP-3, GP-2, GP-14, MW-2, CPT-2, MW-1, MW-1R, GP-1, Planter, Shell Station, 8999 San Ramon Rd., Store, Car Wash, MW-2R, MW-2RB, MW-2RC, MW-8, MW-8B, 390.00, 385.00, 0.06, Restaurant & Stores, MW-9, MW-7, Parking Lot, CPT-3, MW-5C, MW-5, MW-5B, MW-14C, MW-14B, MW-13C, MW-13B, MW-13, MW-12, 380.00, MW-11, MW-11B, Condos

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
- **CPT-1** — CPT sampling location (Delta)
- **GP-8** — Direct push boring location (Delta)
- **0.06** — Groundwater flow direction and gradient in feet per foot
- **380.00** — Groundwater elevation contour, in feet above mean sea level (ft amsl)

WELL	Well designation
ELEV	Groundwater elevation, in ft amsl
BENZ	BENZ = Benzene
MTBE	MTBE = Methyl tertiary-butyl ether
TBA	TBA = Tertiary-butyl alcohol

Concentrations are in micrograms per liter

Notes:

<X.XX = Not detected at or above laboratory reporting limit X.XX

N

0 20 40

Feet

SOURCE: GHD BASE MAP

Figure 2

Shallow Groundwater Contour and Chemical Concentration Map

January 19, 2017

AECOM

Shell-Branded Service Station

8999 San Ramon Road, Dublin, California

L:\ENV\ARCGIS\SHELL\8999 SAN RAMON DUBLIN\PROJECTS\102017\FIGURE 2 SHALLOW GROUNDWATER AND CHEMICAL CONCENTRATION MAP UPDATED.DWG - 21 Apr 2017

ALCOSTA BOULEVARD

I-680 ON-RAMP

SAN RAMON ROAD

Planter

MW-4

MW-3R

GP-12

GP-11

Canopy

GP-13

GP-9

GP-10

Dispenser Islands

Kiosk

GP-8

MW-6

GP-7

MW-10

CPT-1

GP-6

GP-5

USTs

MW-3

GP-3

GP-2

GP-14

MW-2

CPT-2

MW-1

MW-1R

GP-1

Shell Station

8999 San Ramon Rd.

Store

Car Wash

MW-2R

MW-2RB

MW-2RC

MW-8B

388.50

<0.50

<0.50

<10

MW-8

MW-8B

Restaurant & Stores

MW-12

MW-11

MW-11B

Parking Lot

MW-9

MW-7

388.00

Parking Lot

CPT-3

MW-5B

MW-5C

MW-5

MW-14C

MW-14B

0.02

387.00

386.00

385.00

MW-13C

MW-13

MW-13B

Condos

MW-2RB

388.41

<0.50

<0.50

<10

MW-5B

388.78

<0.50

27

<10

MW-13B

384.94

<0.50

110

<10

MW-14B

387.62

<0.50

<0.50

<10

EXPLANATION

MW-5	Shallow monitoring well location (not used in contouring)
MW-5B	Intermediate monitoring well location
MW-5C	Deeper monitoring well location (not used in contouring)
MW-1	Destroyed well location
CPT-1	CPT sampling location (Delta)
GP-8	Direct push boring location (Delta)
0.02	Groundwater flow direction and gradient in feet per foot
386.00	Groundwater elevation contour, in feet above mean sea level (ft amsl)

WELL	Well designation
ELEV	Groundwater elevation, in ft amsl
BENZ	BENZ = Benzene
MTBE	MTBE = Methyl tertiary-butyl ether
TBA	TBA = Tertiary-butyl alcohol

Concentrations are in micrograms per liter

Notes:

<X.XX = Not detected at or above laboratory reporting limit X.XX

N

0 20 40

Feet

SOURCE: GHD BASE MAP

Figure 3

Intermediate Groundwater Contour and Chemical Concentration Map

January 19, 2017

Shell-Branded Service Station

8999 San Ramon Road, Dublin, California

AECOM

L:\ENVARCGIS\SHELL\8999 SAN RAMON DUBLIN\PROJECTS\1Q2017\FIGURE 3 INTERMEDIATE GROUNDWATER AND CHEMICAL CONCENTRATION MAP UPDATED.DWG - 21 Apr 2017

ALCOSTA BOULEVARD

SAN RAMON ROAD

I-680 ON-RAMP

Planter

MW-4

MW-3R

GP-12

GP-11

Canopy

GP-13

GP-9

GP-10

Dispenser Islands

Kiosk

GP-8

MW-6

GP-7

MW-10

CPT-1

GP-6

GP-5

USTs

MW-3

GP-3

GP-2

GP-14

MW-2

CPT-2

MW-1

MW-1R

GP-1

Shell Station

8999 San Ramon Rd.

Store

Car Wash

MW-2R

MW-2RB

MW-2RC

MW-8

MW-8B

Restaurant & Stores

MW-12

MW-11

MW-11B

Parking Lot

MW-9

MW-7

MW-5C

CPT-3

MW-5

MW-5B

Parking Lot

0.03

383.00

382.00

381.00

MW-14C

MW-14B

Condos

MW-13C

MW-13B

MW-13

Condos

Parking Lot

Condos

MW-2RC
383.54
<0.50
28
<10

MW-5C
383.58
<0.50
81
<10

MW-13C
382.85
<0.50
170
<10

MW-14C
380.69
<0.50
40
<10

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
- CPT-1 — CPT sampling location (Delta)
- GP-8 — Direct push boring location (Delta)
- 0.03 — Groundwater flow direction and gradient in feet per foot
- 383.00 — Groundwater elevation contour, in feet above mean sea level (ft amsl)

WELL	Well designation
ELEV	Groundwater elevation, in ft amsl
BENZ	BENZ = Benzene
MTBE	MTBE = Methyl tertiary-butyl ether
TBA	TBA = Tertiary-butyl alcohol

Concentrations are in micrograms per liter

Notes:

<X.XX = Not detected at or above laboratory reporting limit X.XX

N

0 20 40

Feet

SOURCE: GHD BASE MAP

Figure 4

Deeper Groundwater Contour and Chemical Concentration Map

January 19, 2017

Shell-Branded Service Station

8999 San Ramon Road, Dublin, California

AECOM

L:\ENV\ARCGIS\SHELL\8999 SAN RAMON DUBLIN\PROJECTS\1Q2017\FIGURE 4 DEEP GROUNDWATER AND CHEMICAL CONCENTRATION MAP.DWG - 21 Apr 2017

Table

Table 1
Groundwater Data
Shell-branded Service Station, 8999 San Ramon Road, Dublin, California

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-1	05/09/2005	---	---	---	---	---	---	---	---	---	---	---	---	20.93	---
MW-1	05/19/2005	160 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
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

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-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-1R	03/17/2016	100	<50	<1.0	<1.0	<1.0	<1.0	<2.0	950	<2.0	<2.0	<2.0	421.41	25.51	395.90
MW-1R	08/23/2016	79	230	<0.50	<0.50	<0.50	<1.0	1.9	3,900	<0.50	<0.50	<0.50	421.41	31.99	389.42
MW-1R	**01/19/2017**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.93**	**370**	**<0.50**	**<0.50**	**<0.50**	**421.41**	**26.95**	**394.46**
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	---	---
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

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-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-2R	03/17/2016	98	430	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	415.82	24.45	391.37
MW-2R	08/23/2016	430	170	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.82	30.20	385.62
MW-2R	**01/19/2017**	**170**	**570**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**80**	**<0.50**	**<0.50**	**<0.50**	**415.82**	**25.63**	**390.19**
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-2RB	03/17/2016	96	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	415.66	26.53	389.13
MW-2RB	08/23/2016	160	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.66	30.67	384.99
MW-2RB	**01/19/2017**	**70**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.66**	**27.25**	**388.41**
MW-2RC	05/11/2011	---	---	---	---	---	---	---	---	---	---	---	415.97	27.01	388.96
MW-2RC	05/13/2011	---	---	---	---	---	---	---	---	---	---	---	415.97	29.95	386.02
MW-2RC	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	31	14	<1.0	<1.0	<1.0	415.97	27.01	388.96
MW-2RC	07/26/2011	<49	69	<0.50	<0.50	<0.50	<1.0	32	<10	<1.0	<1.0	<1.0	415.97	28.22	387.75
MW-2RC	11/03/2011	---	---	---	---	---	---	---	---	---	---	---	415.97	35.65	380.32

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-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-2RC	03/17/2016	99	180 l	<1.0	<1.0	<1.0	<1.0	33	<50 k	<2.0	<2.0	<2.0	415.97	31.33	384.64
MW-2RC	08/23/2016	2,100	54	<0.50	<0.50	<0.50	<1.0	8.9	<10	<0.50	<0.50	<0.50	415.97	36.00	379.97
MW-2RC	**01/19/2017**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**28**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.97**	**32.43**	**383.54**
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
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	---

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-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-3R	03/17/2016	50	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	417.18	21.23	395.95
MW-3R	08/23/2016	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	417.18	26.33	390.85
MW-3R	**01/19/2017**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**417.18**	**22.68**	**394.50**
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
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

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-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
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	---	---

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-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-5	03/17/2016	69	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	416.88	25.96	390.92
MW-5	08/23/2016	Well dry	---	---	---	---	---	---	---	---	---	---	416.88	---	---
MW-5	**01/19/2017**	**2,000**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**416.88**	**27.28**	**389.60**
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
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

Table 1
Groundwater Data
Shell-branded Service Station, 8999 San Ramon Road, Dublin, California

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-5B	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-5B	03/17/2016	160	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	417.66	27.44	390.22
MW-5B	08/23/2016	100	<50	<0.50	<0.50	<0.50	<1.0	10	<10	<0.50	<0.50	<0.50	417.66	33.61	384.05
MW-5B	**01/19/2017**	**140**	**53**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**27**	**<10**	**<0.50**	**<0.50**	**<0.50**	**417.66**	**28.88**	**388.78**
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
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

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-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-5C	03/17/2016	92	<250	<5.0	<5.0	<5.0	<5.0	210	<250	<10	<10	<10	417.10	32.39	384.71
MW-5C	08/23/2016	71	120	<1.0	<1.0	<1.0	<2.0	100	<20	<1.0	<1.0	<1.0	417.10	38.02	379.08
MW-5C	**01/19/2017**	**<47**	**120**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**81**	**<10**	**<0.50**	**<0.50**	**<0.50**	**417.10**	**33.52**	**383.58**
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	---	---
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

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-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
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

Table 1
Groundwater Data
Shell-branded Service Station, 8999 San Ramon Road, Dublin, California

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-8	08/09/2010	<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	---	---
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-8	03/17/2016	54	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	414.54	22.86	391.68
MW-8	08/23/2016	Insufficient water		---	---	---	---	---	---	---	---	---	414.54	28.59	385.95
MW-8	**01/19/2017**	**63**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**414.54**	**23.68**	**390.86**
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

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-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
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-8B	03/17/2016	<48	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	414.81	25.56	389.25
MW-8B	08/23/2016	53	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	414.81	29.29	385.52
MW-8B	**01/19/2017**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**414.81**	**26.31**	**388.50**
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

Table 1
Groundwater Data
Shell-branded Service Station, 8999 San Ramon Road, Dublin, California

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-9	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		---	---	---	---	---	---	---	---	---	---	---	---
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	---	---

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-11	05/07/2009	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	08/20/2009	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	11/10/2009	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	02/15/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	03/19/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	05/07/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	08/09/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	11/08/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	01/25/2011	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	02/17/2011	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-11B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	409.03	31.47	377.56
MW-11B	02/15/2008	<50	<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

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	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
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-11B	03/17/2016	<49	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	409.03	30.87	378.16
MW-11B	08/23/2016	<49	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	35.19	373.84
MW-11B	**01/19/2017**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**409.03**	**31.69**	**377.34**
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

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-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
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-12	03/17/2016	<49	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	411.18	30.34	380.84
MW-12	08/23/2016	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	34.61	376.57
MW-12	**01/19/2017**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**411.18**	**31.19**	**379.99**
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-13	03/17/2016	260	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	415.77	30.82	384.95
MW-13	08/23/2016	51	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.77	36.41	379.36
MW-13	**01/19/2017**	**290**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.79**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.77**	**31.96**	**383.81**
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

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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	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
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-13B	03/17/2016	110	<50	<1.0	<1.0	<1.0	<1.0	26	<50	<2.0	<2.0	<2.0	415.39	27.38	388.01
MW-13B	08/23/2016	540	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.39	36.77	378.62
MW-13B	**01/19/2017**	**120**	**150**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**110**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.39**	**30.45**	**384.94**
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-13C	03/17/2016	350	<100	<2.0	<2.0	<2.0	<2.0	160	<100	<4.0	<4.0	<4.0	415.73	31.16	384.57
MW-13C	08/23/2016	520	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	415.73	34.70	381.03
MW-13C	**01/19/2017**	**210**	**200**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**170**	**<10**	**<0.50**	**<0.50**	**<0.50**	**415.73**	**32.88**	**382.85**
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

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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-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
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-14B	03/17/2016	480	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<50	<2.0	<2.0	<2.0	413.33	24.28	389.05
MW-14B	08/23/2016	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	413.33	28.96	384.37
MW-14B	**01/19/2017**	**120**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**413.33**	**25.71**	**387.62**
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
MW-14C	03/17/2016	740	<50	<1.0	<1.0	<1.0	<1.0	45	<50	<2.0	<2.0	<2.0	413.10	31.61	381.49
MW-14C	8/23/2016	210	76	<0.50	<0.50	<0.50	<1.0	60	<10	<0.50	<0.50	<0.50	413.10	33.94	379.16
MW-14C	**01/19/2017**	**1,500**	**73**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**40**	**<10**	**<0.50**	**<0.50**	**<0.50**	**413.10**	**32.41**	**380.69**

Table 1
Groundwater Data
Shell-branded Service Station, 8999 San Ramon Road, Dublin, California

Notes:

TPHd	=	Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015 with silica gel clean-up unless otherwise noted
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B unless otherwise noted
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B
MTBE	=	Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA	=	Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE	=	Di-isopropyl ether analyzed by EPA Method 8260B
ETBE	=	Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME	=	Tertiary-amyl methyl ether analyzed by EPA Method 8260B
TOC	=	Top of casing elevation, in feet relative to mean sea level
GW	=	Groundwater
µg/L	=	Micrograms per liter
ft	=	Feet
MSL	=	Mean sea level
<X.XX	=	Not detected at or above reporting limit X.XX
---	=	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.
k	=	Internal standard (ISTD) response for the following sample was outside control limits. The sample was re-analyzed with concurring results, and the original set of data has been reported.
l	=	The gasoline range organics concentration reported for the sample is due to the presence of a discrete peak of 2-Ethyl-1-hexanol
m	=	Sample was prepared or analyzed beyond the specific holding time

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

Field Notes
(Blaine Tech Services, Inc.)

WELL GAUGING DATA

Project # 170119-GR1 Date 01/19/2017 Client SHELL

Site 8999 SAN RAMON RD. - DUBLIN, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1R	0845	4					26.95	39.79		
MW-2R	0852	2					25.63	45.23		
MW-2RB	0855	2					27.25	68.20		
MW-2RC	0900	2					32.43	106.16		
MW-3R	0850	4					22.68	34.72		
MW-5	0828	4					27.28	28.45		
MW-5B	0843	4					28.89	66.58		
MW-5C	0847	4					33.52	98.28		
MW-8	0858	4					23.68	28.83		
MW-8B	0835	4					26.31	68.55		
MW-11B	0825	4					31.69	38.35		
MW-12	0840	4					31.19	38.87		
MW-13	0832	2					31.96	44.70		
MW-13B	0906	2					30.45	68.35		
MW-13C	0835	2					32.88	95.29		
MW-14B	0855	2					25.71	68.02		
MW-14C	0905	2					32.41	100.50		

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: KK	Date: 1-19-17
Well I.D.: MW-1R	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 39.79	Depth to Water (DTW): 26.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.52	

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: ____

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

8.5 (Gals.) X 3 = 25.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1105	65.7	6.91	589	306	8.5	light brown
1109	66.3	6.77	664	130	17.0	cloudy
1113	67.8	6.82	757	154	(6) X 25.5	cloudy
	waited for		80% recharge			

Did well dewater? Yes (No) Gallons actually evacuated: 25.5

Sampling Date: 1-19-17 Sampling Time: 1115 Depth to Water: 29.47 (5 hours unit)

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

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

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

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

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-2R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 45.23	Depth to Water (DTW): 25.63
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]: 29.55	

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

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

3.1 (Gals.) X	3	=	9.3 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
1252	65.4	6.70	708	16	3.5	ODOR
1254	66.8	6.67	773	30	7.0	
1255	——	WELL	DEWATERED	@	8.5	
1350	66.3	6.82	798	12	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 8.5

Sampling Date: 01/19/17 Sampling Time: 1350 Depth to Water: 28.91

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

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

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

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

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-2RB	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 68.20	Depth to Water (DTW): 27.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.44	

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: _____

6.5 (Gals.) X 3 = 19.5 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
1303	65.9	6.95	753	964	6.5	
1306	66.5	6.87	747	386	13.0	
1308	66.8	6.85	756	226	19.5	DTW - 30.93

Did well dewater? Yes (No) Gallons actually evacuated: 19.5

Sampling Date: 01/19/17 Sampling Time: 1315 Depth to Water: 30.93

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-2RC	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 106.16	Depth to Water (DTW): 32.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 47.18	

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: _____

11.8 (Gals.) X	3	=	35.4 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1329	66.1	7.27	958	104	12.0	
1329	———	WELL	DEWATERED	(0)	13.0	
1530	65.2	7.34	1197	293	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 13.0

Sampling Date: 01/19/17 Sampling Time: 1530 Depth to Water: 82.97 (>2 HRS)

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-6M1	Site: 97564995
Sampler: ISK	Date: 1-19-17
Well I.D.: MW-3R	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.74	Depth to Water (DTW): 22.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.09	

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

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

7.75 (Gals.) X 3 = 23.25 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
1144	65.3	7.25	669	57	7.75	clear
1147	67.5	6.88	647	23	15.5	
	well dewater at 21 gallons					
1420	66.7	6.96	658	19	(W) 19 Gal	

Did well dewater? (Yes) No Gallons actually evacuated: 21

Sampling Date: 1-19-17 Sampling Time: 1420 Depth to Water: 22.81

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

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

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

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

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.45	Depth to Water (DTW): 27.28
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]: 27.51	

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: _____

0.8 (Gals.) X 3 = 2.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1005	65.0	5.81	699	220	0.8	
1007	———	WELL	DEWATERED	@	1.2	
1105	67.2	6.31	706	461	GRAB	LARGE SEDIMENT DOWN WELL

Did well dewater? (Yes) No Gallons actually evacuated: 1.2

Sampling Date: 01/19/17 Sampling Time: 1105 Depth to Water: 27.67

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

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

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

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

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-5B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 66.58	Depth to Water (DTW): 28.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.42	

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

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

24.5 (Gals.) X 3 = 73.5 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
1016	64.8	6.61	932	26	24.5	
1021	66.2	6.81	924	8	49.0	
1026	66.9	6.88	922	7	73.5	DTW - 46.21

Did well dewater? Yes (No) Gallons actually evacuated: 73.5

Sampling Date: 01/19/17 Sampling Time: 1115 Depth to Water: 30.66

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-5C	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 98.28	Depth to Water (DTW): 33.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 46.47	

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: _____

42.0 (Gals.) X 3 = 126.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1048	66.1	7.01	1175	257	42.0	
1054	——	WELL	DEWATERED		66.0	
1410	66.4	7.01	1128	261	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 66.0

Sampling Date: 01/19/17 Sampling Time: 1410 Depth to Water: 34.94

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: ISIS	Date: 1-19-17
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 28.83	Depth to Water (DTW): 23.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.71	

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: ___

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1234	66.3	7.11	591	19	3.5	clear
	well dewatered at 7 gallons					
1320	65.9	7.04	603	22	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 7

Sampling Date: 1-19-17 Sampling Time: ~~1320~~ (1310) 1320 Depth to Water: 24.66

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

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

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

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

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-6R1	Site: 97565595
Sampler: ISIS	Date: 1-19-17
Well I.D.: MW-8B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 68.55	Depth to Water (DTW): 26.31
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]: 37.76	

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

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

27.5 (Gals.) X	3	= 82.5 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
1009	62.5	6.89	679	31	27.5	clear
1017	64.8	6.94	691	6	55	↓
1024	65.3	6.96	690	5	82.5	↓
	waited for 80% recharge					

Did well dewater? Yes (No) Gallons actually evacuated: 82.5

Sampling Date: 1-19-17 Sampling Time: 1240 Depth to Water: 27.02

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: RS	Date: 1-19-17
Well I.D.: MW-11B	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 38.35	Depth to Water (DTW): 31.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.02	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Waterra / Peristaltic / Extraction Pump / Other ____

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

4.5 (Gals.) X	3 =	13.5 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
0933	63.8	6.23	551	104	4.5	light brown
0935	64.6	6.47	568	187	9.0	↓
0937	65.1	6.53	564	105	13.5	↓

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

Sampling Date: 1-19-17 Sampling Time: 0942 Depth to Water: 32.24

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: BK	Date: 1-19-17
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 38.87	Depth to Water (DTW): 31.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.71	

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: _____

5 (Gals.) X (3) X 3 = 15 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
1041	64.9	7.17	617	171	5	light cloudy
1043	66.7	6.78	635	135	10	↓
1045	67.1	6.72	636	127	15	↓

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Date: 1-19-17 Sampling Time: 1050 Depth to Water: 32.47

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 44.70	Depth to Water (DTW): 31.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.51	

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: _____

2.0 (Gals.) X	3	= 6.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1147	65.1	6.80	866	>1000	2.0	
1148	66.4	6.65	858	797	4.0	
1149	67.1	6.65	859	338	6.0	DTW - 32.15

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 01/19/17 Sampling Time: 1200 Depth to Water: 32.15

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

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

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

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

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-13B	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 68.35	Depth to Water (DTW): 30.45
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]: 38.03	

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: _____

6.0 (Gals.) X 3 = 18.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1231	65.1	7.27	675	355	6.0	
1233	66.5	7.01	833	431	12.0	
1235	66.8	6.98	1022	>1000	18.0	
1237	66.8	7.02	1064	>1000	24.0	DTW - 62.04

Did well dewater? Yes (No) Gallons actually evacuated: 24.0

Sampling Date: 01/19/17 Sampling Time: 1435 Depth to Water: 30.45

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: GR	Date: 01/19/2017
Well I.D.: MW-13C	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 95.29	Depth to Water (DTW): 32.88
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]: 45.36	

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

Sampling Method: ~~Bailer~~, Disposable Bailer, Extraction Port, Dedicated Tubing, Other:____

10.0 (Gals.) X 3 = 30.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1220	64.8	7.07	1243	125	10.0	
1222	——	WELL	DEWATERED	@	18.0	
1420	65.2	7.11	1240	157	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 18.0

Sampling Date: 01/19/17 Sampling Time: 1420 Depth to Water: 33.63

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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-LR1	Site: 9756595
Sampler: ISK	Date: 1-19-17
Well I.D.: MW-19B	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 68.02	Depth to Water (DTW): 25.71
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]: 37.17	

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: _____

6.75 (Gals.) X	3	=	20.25 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
1207	62.8	7.31	711	184	6.75	light brown, odor
1209	66.1	7.18	739	54	13.50	clear, odor
1211	66.3	7.27	744	27	20.25	clear, odor

Did well dewater? Yes (No) Gallons actually evacuated: 20.25

Sampling Date: 1-19-17 Sampling Time: 1216 Depth to Water: 32.01

Sample I.D.: MW-19B 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

Equilon Enterprises LLC dba Shell Oil Products US (Equilon) Field Data Sheet

BTS #: 170119-GR1	Site: 97565995
Sampler: KK	Date: 1-19-17
Well I.D.: MW-14C	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 100.50	Depth to Water (DTW): 32.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 46.02	

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 (Gals.) X	3	=	33 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
1337	65.8	6.93	1128	33	11	clear
1342	67.1	7.09	1161	17	22	
1347	67.4	7.13	1176	11	33	

Did well dewater? Yes (No) Gallons actually evacuated: 33

Sampling Date: 1-19-17 Sampling Time: 1352 Depth to Water: 33.17

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

LAB (LOCATION)
☐ACCUTEST (_____)
☐CALSCIENCE (_____)
☑TESTAMERICA (_____)
☐Other (_____)
Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:
☐GW FDG ☐PIPELINE ☐RETAIL
☐CHEMICALS ☑CONSULTANT ☐LUBES
☐TRANSPORTATION ☐OTHER

Print Bill To Contact Name: Shane Olton
PO #:
PlaNet Site or Project ID: 33028
GSAP Project ID: USPC/00258,USRT/00572
☐CHECK IF NO INCIDENT # APPLIES
DATE: 01/19/17
PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services, Inc.
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave., San Jose, CA, 95112
PROJECT CONTACT (Hardcopy or PDF Report to): Bart Gebbie
TELEPHONE: 310-885-4455 Ext. 103
FAX: 310-637-5802
BILL TO Contact E-MAIL: shane.olton@aecom.com

SITE ADDRESS: Street and City: 8999 San Ramon Rd., Dublin
State: CA
AECOM Project / Task Number:
EDF DELIVERABLE TO (Name, Company, Office Location): Margaret Baber, AECOM, Oakland, CA
PHONE NO.: 510-893-3600
E-MAIL: margaret.baber@aecom.com
AECOM Other ID: 10007871
SAMPLER NAME(S) (Print): GREG ROBERTS, KRIS KUBOTA
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:
DELIVERABLES: ☑LEVEL 1 ☐LEVEL 2 ☐LEVEL 3 ☐LEVEL 4 ☐OTHER (SPECIFY) _____
TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
Run TPH-D w/ Silica Gel Clean Up
If TPH-D is detected in MW-2RC, MW-13C, and/or MW-14C, analyze samples for SVOCs by 8270 for TICs
Email invoice to USAPimaging@aecom.com

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST: TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M0	BTEX (8260B)	5 OXYS (8260B)	NON-UNIT COST: SVOCs for TICs (Only if TPH-D is detected)	FIELD NOTES: Container PID Readings or Laboratory Notes
	MW-1R	1/19/17	1125	WG	X			X		5	X	X	X	X		
	MW-2R		1350		X			X		5	X	X	X	X		
	MW-2RB		1315		X			X		5	X	X	X	X		
	MW-2RC		1530		X			X		9	X	X	X	X	X	
	MW-3R		1420		X			X		5	X	X	X	X		
	MW-5		1105		X			X		5	X	X	X	X		
	MW-5B		1115		X			X		5	X	X	X	X		
	MW-5C		1410		X			X		5	X	X	X	X		
	MW-9		1320		X			X		5	X	X	X	X		
	MW-8B	↓	1240	↓	X			X		5	X	X	X	X		

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)
Received by: (Signature) (SAMPLE CUSTODIAN)
Date: 01/19/17 Time: 1700

Relinquished by: (Signature)
Received by: (Signature)
Date: Time:

Relinquished by: (Signature)
Received by: (Signature)
Date: Time:

Version: 14Dec15

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ ALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:

☐ GW PDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☑ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☐ OTHER _____

Print Bill To Contact Name: Shane Olton
PO #:
PlaNet Site or Project ID: 33028
GSAP Project ID: USPC/00258;USRT/00572
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 01/19/17
PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services, Inc.
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave., San Jose, CA, 95112
PROJECT CONTACT (Hardcopy or PDF Report to): Bart Gebbie
TELEPHONE: 310-885-4455 Ext. 103
FAX: 310-637-5802
Bill To Contact E-MAIL: shane.olton@aecom.com

SITE ADDRESS: Street and City: 8999 San Ramon Rd., Dublin
State: CA
AECOM Project / Task Number:
EDF DELIVERABLE TO (Name, Company, Office Location): Margaret Baber, AECOM, Oakland, CA
PHONE NO.: 510-893-3600
E-MAIL: margaret.baber@aecom.com
AECOM Other ID: 10007871
SAMPLER NAME(S) (Print): GREG ROBERTS, KRIS KUBOTA
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:

DELIVERABLES: ☑ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Run TPH-D w/ Silica Gel Clean Up
If TPH-D is detected in MW-2RC, MW-13C, and/or MW-14C,
analyze samples for SVOCs by 8270 for TICs
Email invoice to USAPImaging@aecom.com

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

REQUESTED ANALYSIS

UNIT COST: TPH-GRO, Purgeable (8260B); TPH-DRO, Extractable (8015M); BTEX (8260B); 5 OXYS (8260B)
NON-UNIT COST: SVOCs for TICs (Only if TPH-D is detected)

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	5 OXYS (8260B)	SVOCs for TICs (Only if TPH-D is detected)
	MW-11B	1/19/17	0942	WG	X			X		5	X	X	X	X	
	MW-12		1050		X			X		5	X	X	X	X	
	MW-13		1200		X			X		5	X	X	X	X	
	MW-13B		1435		X			X		5	X	X	X	X	
	MW-13C		1420		X			X		9	X	X	X	X	X
	MW-14B		1216		X			X		5	X	X	X	X	
	MW-14C		1352		X			X		9	X	X	X	X	X

Relinquished by: (Signature)
Received by: (Signature) (SAMPLE CUSTODIAN)
Date: 01/19/17
Time: 1700

Relinquished by: (Signature)
Received by: (Signature)
Date:
Time:

Relinquished by: (Signature)
Received by: (Signature)
Date:
Time:

Version: 14Dec15

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 97565995

DATE: 01/19/2017

ADDRESS 8999 SAN RAMON RD.

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-2RB	Standpipe	Flush	G	P	Size (inch) 10	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2RC	Standpipe	Flush	G	P	Size (inch) 10	Y	N	G	R	G	R	NL	G	P	- WATER BAILED	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) 8	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5B	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5C	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	- WATER BAILED	Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	- 1/2 BOLTS MISSING / - 1/2 TABS STRIPPED / - WATER BAILED	Y	N	
MW-8B	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	- WATER BAILED	Y	N	
MW-11B	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	- WATER BAILED	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	

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).

GREGORY ROBERTS (BTS)

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 97565995

DATE: 01/19/2017

ADDRESS 8999 SANRAMON RD.

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	- 1/2 TABS STRIPPED - WATER BAILED	Y	(N)	
MW-13	Standpipe	(Flush)	(G)	P	Size (inch) 10	(Y)	N	(G)	R	(G)	R	NL	(G)	P	- WATER BAILED	Y	(N)	
MW-13B	Standpipe	(Flush)	(G)	P	Size (inch) 10	(Y)	N	(G)	R	(G)	R	NL	(G)	P	- WATER BAILED	Y	(N)	
MW-13C	Standpipe	(Flush)	(G)	P	Size (inch) 10	(Y)	N	(G)	R	(G)	R	NL	(G)	P	- WATER BAILED	Y	(N)	
MW-14B	Standpipe	(Flush)	(G)	P	Size (inch) 10	(Y)	N	(G)	R	(G)	R	NL	(G)	P	- WATER BAILED	Y	(N)	
MW-14C	Standpipe	(Flush)	(G)	P	Size (inch) 10	(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	
	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)	

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).

GREGORY ROBERTS (BTS)

Print or type Name of Field Personnel & Consultant Company

721731

NON-HAZARDOUS WASTE DATA FORM

BEST #

GENERATOR

Generator's Name and Mailing Address

SHELL OIL PRODUCTS US
C/O AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CA 94612

Generator's Site Address (if different than mailing address)

SHELL OIL 10007871
8999 SAN RAMON RD.
DUBLIN, CA 94568

Generator's Phone: 510-874-3255

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☒ Other TANK TRUCK

Quantity 240 GAL.

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____

Quantity _____ Volume _____

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	3.		
2. TPH		<1%	4.		

Waste Profile _____ PROPERTIES: pH 7-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PERSONAL PROTECTIVE CLOTHING

Generator Printed/Typed Name: GREGORY ROBERTS | Signature | Month: 01 | Day: 19 | Year: 17

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BLAINE TECH SERVICES, INC. | Phone#: 408-573-0555

Transporter 1 Printed/Typed Name: GREGORY ROBERTS | Signature | Month: 01 | Day: 19 | Year: 17

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

DEMENNO KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222

Phone#: 310-537-7100

Printed/Typed Name | Signature | Month | Day | Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

O. 721732

NON-HAZARDOUS WASTE DATA FORM

BES! #

GENERATOR

Generator's Name and Mailing Address

SHELL OIL PRODUCTS US
C/O AECOM
1333 BROADWAY, SUITE 800
OAKLAND, CA 94612

Generator's Site Address (if different than mailing address)

SHELL OIL 10007871
8999 SAN RAMON RD.
DUBLIN, CA 94568

Generator's Phone: 510-874-3255

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck

☒ Other TANK TRUCK

Quantity 225 Gal

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck

☐ Other _____

Quantity _____ Volume _____

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	3.		
2. TPH		<1%	4.		

Waste Profile _____ PROPERTIES: pH 7-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PERSONAL PROTECTIVE CLOTHING

Generator Printed/Typed Name: Kris Kubota | Signature | Month 1 Day 19 Year 12

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BLAINE TECH SERVICES, INC. | Phone#: 408-573-0555

Transporter 1 Printed/Typed Name: Kris Kubota | Signature | Month 1 Day 19 Year 12

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

DEMENNO KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222

Phone#: 310-537-7100

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Appendix B

Analytical Report
(TestAmerica Laboratories, Inc.)

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: 440-174434-1
Client Project/Site: Shell - 8999 San Ramon Rd., Dublin

For:
AECOM Technical Services Inc.
300 Lakeside Drive
Suite 400
Oakland, California 94612

Attn: Christine Pilachowski

Authorized for release by:
2/2/2017 4:00:39 PM

Laura Turpen, Project Manager I
(916)374-4414
laura.turpen@testamericainc.com

Table of Contents

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-174434-1	MW-1R	Ground Water	01/19/17 11:25	01/24/17 09:40
440-174434-2	MW-2R	Ground Water	01/19/17 13:50	01/24/17 09:40
440-174434-3	MW-2RB	Ground Water	01/19/17 13:15	01/24/17 09:40
440-174434-4	MW-2RC	Ground Water	01/19/17 15:30	01/24/17 09:40
440-174434-5	MW-3R	Ground Water	01/19/17 14:20	01/24/17 09:40
440-174434-6	MW-5	Ground Water	01/19/17 11:05	01/24/17 09:40
440-174434-7	MW-5B	Ground Water	01/19/17 11:15	01/24/17 09:40
440-174434-8	MW-5C	Ground Water	01/19/17 14:10	01/24/17 09:40
440-174434-9	MW-8	Ground Water	01/19/17 13:20	01/24/17 09:40
440-174434-10	MW-8B	Ground Water	01/19/17 12:40	01/24/17 09:40
440-174434-11	MW-11B	Ground Water	01/19/17 09:42	01/24/17 09:40
440-174434-12	MW-12	Ground Water	01/19/17 10:50	01/24/17 09:40
440-174434-13	MW-13	Ground Water	01/19/17 12:00	01/24/17 09:40
440-174434-14	MW-13B	Ground Water	01/19/17 14:35	01/24/17 09:40
440-174434-15	MW-13C	Ground Water	01/19/17 14:20	01/24/17 09:40
440-174434-16	MW-14B	Ground Water	01/19/17 12:16	01/24/17 09:40
440-174434-17	MW-14C	Ground Water	01/19/17 13:52	01/24/17 09:40

Job ID: 440-174434-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-174434-1

Comments
No additional comments.

Receipt
The samples were received on 1/24/2017 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0º C.

Receipt Exceptions
One Voa Vial was received broken but two Voa remained for analysis for sample MW-5 (440-174434-6).

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-5C (440-174434-8), MW-13B (440-174434-14), MW-13C (440-174434-15) and MW-14C (440-174434-17). Methyl-tert-butyl ether.

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: The continuing calibration verification (CCV) associated with batch 440-385118 recovered above the upper control limit for C10-C28. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-2RC (440-174434-4), MW-3R (440-174434-5), MW-5C (440-174434-8), MW-8B (440-174434-10), MW-11B (440-174434-11) and (CCV 440-385118/48).

Method(s) 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 440-384359 The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.(LCS 440-384359/2-A)

Method(s) 8015B: Hydrocarbon result partly due to individual peak in quantitation range. MW-2R (440-174434-2), MW-2RB (440-174434-3), MW-3R (440-174434-5), MW-5 (440-174434-6), MW-5B (440-174434-7), MW-5C (440-174434-8), MW-8 (440-174434-9), MW-8B (440-174434-10), MW-13 (440-174434-13), MW-13B (440-174434-14), MW-13C (440-174434-15), MW-14B (440-174434-16), and MW-14C (440-174434-17)

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

GC/MS Semi VOA
Method(s) 8270C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-384048 and analytical batch 440-385222. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8270C: The following sample required a dilution due to the nature of the sample matrix: MW-14C (440-174434-17). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

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

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

Client Sample ID: MW-1R

Date Collected: 01/19/17 11:25
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-1

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			01/25/17 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*76 - 132*		*01/25/17 21:56*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*01/25/17 21:56*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*01/25/17 21:56*	*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			01/25/17 21:56	1
Toluene	ND		0.50		ug/L			01/25/17 21:56	1
Ethylbenzene	ND		0.50		ug/L			01/25/17 21:56	1
Xylenes, Total	ND		1.0		ug/L			01/25/17 21:56	1
Methyl-t-Butyl Ether (MTBE)	**0.93**		0.50		ug/L			01/25/17 21:56	1
tert-Butyl alcohol (TBA)	**370**		10		ug/L			01/25/17 21:56	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/25/17 21:56	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/25/17 21:56	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/25/17 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*01/25/17 21:56*	*1*
Dibromofluoromethane (Surr)	*97*		*76 - 132*		*01/25/17 21:56*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*01/25/17 21:56*	*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		47		ug/L		01/25/17 13:30	01/30/17 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*48*		*20 - 120*	*01/25/17 13:30*	*01/30/17 18:49*	*1*

Client Sample ID: MW-2R

Date Collected: 01/19/17 13:50
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-2

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)	**570**		50		ug/L			01/25/17 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*76 - 132*		*01/25/17 23:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*01/25/17 23:43*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/25/17 23:43*	*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			01/25/17 23:43	1
Toluene	ND		0.50		ug/L			01/25/17 23:43	1
Ethylbenzene	ND		0.50		ug/L			01/25/17 23:43	1
Xylenes, Total	ND		1.0		ug/L			01/25/17 23:43	1

Client Sample ID: MW-2R
Lab Sample ID: 440-174434-2
Date Collected: 01/19/17 13:50
Matrix: Ground Water
Date Received: 01/24/17 09:40

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			01/25/17 23:43	1
tert-Butyl alcohol (TBA)	**80**		10		ug/L			01/25/17 23:43	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/25/17 23:43	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/25/17 23:43	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/25/17 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*01/25/17 23:43*	*1*
Dibromofluoromethane (Surr)	*99*		*76 - 132*		*01/25/17 23:43*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/25/17 23:43*	*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]	**170**		47		ug/L		01/25/17 13:30	01/30/17 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*34*		*20 - 120*	*01/25/17 13:30*	*01/30/17 19:09*	*1*

Client Sample ID: MW-2RB
Lab Sample ID: 440-174434-3
Date Collected: 01/19/17 13:15
Matrix: Ground Water
Date Received: 01/24/17 09:40

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			01/26/17 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*76 - 132*		*01/26/17 00:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*01/26/17 00:42*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 00:42*	*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			01/26/17 00:42	1
Toluene	ND		0.50		ug/L			01/26/17 00:42	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 00:42	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 00:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 00:42	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 00:42	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 00:42	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 00:42	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*01/26/17 00:42*	*1*
Dibromofluoromethane (Surr)	*100*		*76 - 132*		*01/26/17 00:42*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 00:42*	*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]	**70**		47		ug/L		01/25/17 13:30	01/30/17 19:29	1

Client Sample ID: MW-2RB
Date Collected: 01/19/17 13:15
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-3
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	34		20 - 120	01/25/17 13:30	01/30/17 19:29	1

Client Sample ID: MW-2RC
Date Collected: 01/19/17 15:30
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-4
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			01/26/17 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		76 - 132		01/26/17 00:12	1
4-Bromofluorobenzene (Surr)	96		80 - 120		01/26/17 00:12	1
Toluene-d8 (Surr)	110		80 - 128		01/26/17 00:12	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			01/26/17 00:12	1
Toluene	ND		0.50		ug/L			01/26/17 00:12	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 00:12	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 00:12	1
Methyl-t-Butyl Ether (MTBE)	**28**		0.50		ug/L			01/26/17 00:12	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 00:12	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 00:12	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 00:12	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		01/26/17 00:12	1
Dibromofluoromethane (Surr)	99		76 - 132		01/26/17 00:12	1
Toluene-d8 (Surr)	110		80 - 128		01/26/17 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]	ND		47		ug/L		01/25/17 13:30	01/30/17 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	40		20 - 120	01/25/17 13:30	01/30/17 20:09	1

Client Sample ID: MW-3R
Date Collected: 01/19/17 14:20
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-5
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			01/26/17 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		76 - 132		01/26/17 01:11	1
4-Bromofluorobenzene (Surr)	97		80 - 120		01/26/17 01:11	1
Toluene-d8 (Surr)	111		80 - 128		01/26/17 01:11	1

Client Sample ID: MW-3R
Date Collected: 01/19/17 14:20
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-5
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			01/26/17 01:11	1
Toluene	ND		0.50		ug/L			01/26/17 01:11	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 01:11	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 01:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 01:11	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 01:11	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 01:11	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 01:11	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*01/26/17 01:11*	*1*
Dibromofluoromethane (Surr)	*99*		*76 - 132*		*01/26/17 01:11*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*01/26/17 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]	ND		47		ug/L		01/25/17 13:30	01/30/17 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*36*		*20 - 120*	*01/25/17 13:30*	*01/30/17 20:30*	*1*

Client Sample ID: MW-5
Date Collected: 01/19/17 11:05
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-6
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)	ND		50		ug/L			01/26/17 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*76 - 132*		*01/26/17 01:40*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/26/17 01:40*	*1*
Toluene-d8 (Surr)	*113*		*80 - 128*		*01/26/17 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			01/26/17 01:40	1
Toluene	ND		0.50		ug/L			01/26/17 01:40	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 01:40	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 01:40	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 01:40	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 01:40	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 01:40	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 01:40	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/26/17 01:40*	*1*
Dibromofluoromethane (Surr)	*99*		*76 - 132*		*01/26/17 01:40*	*1*
Toluene-d8 (Surr)	*113*		*80 - 128*		*01/26/17 01:40*	*1*

Client Sample ID: MW-5
Lab Sample ID: 440-174434-6
Date Collected: 01/19/17 11:05
Matrix: Ground Water
Date Received: 01/24/17 09:40

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]	2000		47		ug/L		01/25/17 13:30	01/27/17 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*52*		*20 - 120*	*01/25/17 13:30*	*01/27/17 23:33*	*1*

Client Sample ID: MW-5B
Lab Sample ID: 440-174434-7
Date Collected: 01/19/17 11:15
Matrix: Ground Water
Date Received: 01/24/17 09:40

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)	53		50		ug/L			01/26/17 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*76 - 132*		*01/26/17 10:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/26/17 10:03*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 10:03*	*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			01/26/17 10:03	1
Toluene	ND		0.50		ug/L			01/26/17 10:03	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 10:03	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 10:03	1
Methyl-t-Butyl Ether (MTBE)	27		0.50		ug/L			01/26/17 10:03	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 10:03	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 10:03	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 10:03	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/26/17 10:03*	*1*
Dibromofluoromethane (Surr)	*91*		*76 - 132*		*01/26/17 10:03*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 10:03*	*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]	140		47		ug/L		01/25/17 13:30	02/01/17 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*59*		*20 - 120*	*01/25/17 13:30*	*02/01/17 17:11*	*1*

Client Sample ID: MW-5C
Lab Sample ID: 440-174434-8
Date Collected: 01/19/17 14:10
Matrix: Ground Water
Date Received: 01/24/17 09:40

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)	120		50		ug/L			01/26/17 11:30	1

Client Sample ID: MW-5C
Lab Sample ID: 440-174434-8
Date Collected: 01/19/17 14:10
Matrix: Ground Water
Date Received: 01/24/17 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*76 - 132*		*01/26/17 11:30*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/26/17 11:30*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 11:30*	*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			01/26/17 11:30	1
Toluene	ND		0.50		ug/L			01/26/17 11:30	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 11:30	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 11:30	1
Methyl-t-Butyl Ether (MTBE)	**81**		0.50		ug/L			01/26/17 11:30	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 11:30	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 11:30	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 11:30	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/26/17 11:30*	*1*
Dibromofluoromethane (Surr)	*93*		*76 - 132*		*01/26/17 11:30*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 11:30*	*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		47		ug/L		01/25/17 13:30	01/30/17 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*37*		*20 - 120*	*01/25/17 13:30*	*01/30/17 21:10*	*1*

Client Sample ID: MW-8
Lab Sample ID: 440-174434-9
Date Collected: 01/19/17 13:20
Matrix: Ground Water
Date Received: 01/24/17 09:40

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			01/26/17 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*76 - 132*		*01/26/17 11:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/26/17 11:59*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 11:59*	*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			01/26/17 11:59	1
Toluene	ND		0.50		ug/L			01/26/17 11:59	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 11:59	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 11:59	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 11:59	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 11:59	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 11:59	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 11:59	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*01/26/17 11:59*	*1*
Dibromofluoromethane (Surr)	*94*		*76 - 132*		*01/26/17 11:59*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 11:59*	*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**		47		ug/L		01/25/17 13:30	01/30/17 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*42*		*20 - 120*	*01/25/17 13:30*	*01/30/17 16:00*	*1*

Client Sample ID: MW-8B
Date Collected: 01/19/17 12:40
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-10
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			01/26/17 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*93*		*76 - 132*		*01/26/17 12:28*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/26/17 12:28*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 12:28*	*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			01/26/17 12:28	1
Toluene	ND		0.50		ug/L			01/26/17 12:28	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 12:28	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 12:28	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 12:28	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 12:28	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 12:28	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 12:28	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/26/17 12:28*	*1*
Dibromofluoromethane (Surr)	*93*		*76 - 132*		*01/26/17 12:28*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 12:28*	*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		47		ug/L		01/25/17 13:30	01/30/17 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*30*		*20 - 120*	*01/25/17 13:30*	*01/30/17 22:30*	*1*

Client Sample ID: MW-11B
Date Collected: 01/19/17 09:42
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-11
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			01/26/17 12:57	1

Client Sample ID: MW-11B
Lab Sample ID: 440-174434-11
Date Collected: 01/19/17 09:42
Matrix: Ground Water
Date Received: 01/24/17 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*76 - 132*		*01/26/17 12:57*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*01/26/17 12:57*	*1*
Toluene-d8 (Surr)	*108*		*80 - 128*		*01/26/17 12:57*	*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			01/26/17 12:57	1
Toluene	ND		0.50		ug/L			01/26/17 12:57	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 12:57	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 12:57	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 12:57	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 12:57	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 12:57	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 12:57	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*01/26/17 12:57*	*1*
Dibromofluoromethane (Surr)	*96*		*76 - 132*		*01/26/17 12:57*	*1*
Toluene-d8 (Surr)	*108*		*80 - 128*		*01/26/17 12:57*	*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		47		ug/L		01/25/17 13:30	01/30/17 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*37*		*20 - 120*	*01/25/17 13:30*	*01/30/17 22:50*	*1*

Client Sample ID: MW-12
Lab Sample ID: 440-174434-12
Date Collected: 01/19/17 10:50
Matrix: Ground Water
Date Received: 01/24/17 09:40

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			01/26/17 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*01/26/17 13:26*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/26/17 13:26*	*1*
Toluene-d8 (Surr)	*106*		*80 - 128*		*01/26/17 13:26*	*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			01/26/17 13:26	1
Toluene	ND		0.50		ug/L			01/26/17 13:26	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 13:26	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 13:26	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 13:26	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 13:26	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 13:26	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 13:26	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/26/17 13:26*	*1*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*01/26/17 13:26*	*1*
Toluene-d8 (Surr)	*106*		*80 - 128*		*01/26/17 13:26*	*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		01/25/17 13:30	01/30/17 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*67*		*20 - 120*	*01/25/17 13:30*	*01/30/17 16:23*	*1*

Client Sample ID: MW-13 — Lab Sample ID: 440-174434-13

Date Collected: 01/19/17 12:00 — **Matrix: Ground Water**
Date Received: 01/24/17 09:40

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			01/26/17 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*100*		*76 - 132*		*01/26/17 13:55*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/26/17 13:55*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 13:55*	*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			01/26/17 13:55	1
Toluene	ND		0.50		ug/L			01/26/17 13:55	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 13:55	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 13:55	1
Methyl-t-Butyl Ether (MTBE)	**0.79**		0.50		ug/L			01/26/17 13:55	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 13:55	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 13:55	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 13:55	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*01/26/17 13:55*	*1*
Dibromofluoromethane (Surr)	*100*		*76 - 132*		*01/26/17 13:55*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 13:55*	*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]	**290**		47		ug/L		01/25/17 13:30	02/01/17 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*81*		*20 - 120*	*01/25/17 13:30*	*02/01/17 17:31*	*1*

Client Sample ID: MW-13B — Lab Sample ID: 440-174434-14

Date Collected: 01/19/17 14:35 — **Matrix: Ground Water**
Date Received: 01/24/17 09:40

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)	**150**		50		ug/L			01/26/17 14:24	1

Client Sample ID: MW-13B — Lab Sample ID: 440-174434-14

Date Collected: 01/19/17 14:35 — **Matrix: Ground Water**
Date Received: 01/24/17 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*01/26/17 14:24*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*01/26/17 14:24*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*01/26/17 14:24*	*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			01/26/17 14:24	1
Toluene	ND		0.50		ug/L			01/26/17 14:24	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 14:24	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 14:24	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 14:24	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 14:24	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 14:24	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*01/26/17 14:24*	*1*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*01/26/17 14:24*	*1*
Toluene-d8 (Surr)	*111*		*80 - 128*		*01/26/17 14:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	**110**		5.0		ug/L			01/26/17 22:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/26/17 22:52*	*10*
Dibromofluoromethane (Surr)	*95*		*76 - 132*		*01/26/17 22:52*	*10*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 22:52*	*10*

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]	**120**		47		ug/L		01/25/17 13:30	02/01/17 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*88*		*20 - 120*	*01/25/17 13:30*	*02/01/17 17:51*	*1*

Client Sample ID: MW-13C — Lab Sample ID: 440-174434-15

Date Collected: 01/19/17 14:20 — **Matrix: Ground Water**
Date Received: 01/24/17 09:40

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)	**200**		50		ug/L			01/26/17 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*01/26/17 14:53*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*01/26/17 14:53*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 14:53*	*1*

Client Sample ID: MW-13C
Date Collected: 01/19/17 14:20
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-15
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			01/26/17 14:53	1
Toluene	ND		0.50		ug/L			01/26/17 14:53	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 14:53	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 14:53	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 14:53	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 14:53	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 14:53	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*01/26/17 14:53*	*1*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*01/26/17 14:53*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 14:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	**170**		5.0		ug/L			01/26/17 23:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/26/17 23:22*	*10*
Dibromofluoromethane (Surr)	*95*		*76 - 132*		*01/26/17 23:22*	*10*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/26/17 23:22*	*10*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
1,2-Dichlorobenzene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
1,3-Dichlorobenzene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
1,4-Dichlorobenzene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
2,4,5-Trichlorophenol	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
2,4,6-Trichlorophenol	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
2,4-Dichlorophenol	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
2,4-Dimethylphenol	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
2,4-Dinitrophenol	ND		38		ug/L		01/25/17 11:55	01/30/17 18:49	1
2,4-Dinitrotoluene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
2,6-Dinitrotoluene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
2-Chloronaphthalene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
2-Chlorophenol	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
2-Methylnaphthalene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
2-Methylphenol	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
2-Nitroaniline	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
2-Nitrophenol	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
3,3'-Dichlorobenzidine	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
3-Nitroaniline	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
4,6-Dinitro-2-methylphenol	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
4-Bromophenyl phenyl ether	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
4-Chloro-3-methylphenol	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
4-Chloroaniline	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
4-Chlorophenyl phenyl ether	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

Client Sample ID: MW-13C
Date Collected: 01/19/17 14:20
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-15
Matrix: Ground Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylphenol + 4-Methylphenol	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
4-Nitroaniline	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
4-Nitrophenol	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Acenaphthene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Acenaphthylene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Aniline	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Anthracene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Benzidine	ND		38		ug/L		01/25/17 11:55	01/30/17 18:49	1
Benzo[a]anthracene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Benzo[a]pyrene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Benzo[b]fluoranthene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Benzo[g,h,i]perylene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Benzo[k]fluoranthene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Benzoic acid	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Benzyl alcohol	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Bis(2-chloroethoxy)methane	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Bis(2-chloroethyl)ether	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Bis(2-ethylhexyl) phthalate	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Butyl benzyl phthalate	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Chrysene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Dibenz(a,h)anthracene	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Dibenzofuran	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Diethyl phthalate	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Dimethyl phthalate	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Di-n-butyl phthalate	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Di-n-octyl phthalate	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Fluoranthene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Fluorene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Hexachlorobenzene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Hexachlorobutadiene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Hexachlorocyclopentadiene	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Hexachloroethane	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Indeno[1,2,3-cd]pyrene	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Isophorone	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Naphthalene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Nitrobenzene	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
N-Nitrosodi-n-propylamine	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
N-Nitrosodiphenylamine	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Pentachlorophenol	ND		19		ug/L		01/25/17 11:55	01/30/17 18:49	1
Phenanthrene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Phenol	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
Pyrene	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1
bis (2-chloroisopropyl) ether	ND		9.4		ug/L		01/25/17 11:55	01/30/17 18:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane	*19*	*T J N*	*ug/L*		*1.36*	*110-82-7*	*01/25/17 11:55*	*01/30/17 18:49*	*1*
Unknown	*23*	*T J*	*ug/L*		*1.40*		*01/25/17 11:55*	*01/30/17 18:49*	*1*
Unknown	*16*	*T J*	*ug/L*		*4.47*		*01/25/17 11:55*	*01/30/17 18:49*	*1*
n-Hexadecanoic acid	*17*	*T J N*	*ug/L*		*9.25*	*57-10-3*	*01/25/17 11:55*	*01/30/17 18:49*	*1*
Unknown	*15*	*T J*	*ug/L*		*11.37*		*01/25/17 11:55*	*01/30/17 18:49*	*1*

Client Sample ID: MW-13C
Lab Sample ID: 440-174434-15
Date Collected: 01/19/17 14:20
Matrix: Ground Water
Date Received: 01/24/17 09:40

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	12	T J	ug/L		12.73		01/25/17 11:55	01/30/17 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		50 - 120	01/25/17 11:55	01/30/17 18:49	1
2-Fluorophenol (Surr)	65		30 - 120	01/25/17 11:55	01/30/17 18:49	1
2,4,6-Tribromophenol (Surr)	90		40 - 120	01/25/17 11:55	01/30/17 18:49	1
Nitrobenzene-d5 (Surr)	63		45 - 120	01/25/17 11:55	01/30/17 18:49	1
Terphenyl-d14 (Surr)	71		10 - 150	01/25/17 11:55	01/30/17 18:49	1
Phenol-d6 (Surr)	64		35 - 120	01/25/17 11:55	01/30/17 18:49	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]	210		47		ug/L		01/25/17 13:30	02/01/17 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	76		20 - 120	01/25/17 13:30	02/01/17 18:10	1

Client Sample ID: MW-14B
Lab Sample ID: 440-174434-16
Date Collected: 01/19/17 12:16
Matrix: Ground Water
Date Received: 01/24/17 09:40

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			01/26/17 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 132		01/26/17 15:22	1
4-Bromofluorobenzene (Surr)	101		80 - 120		01/26/17 15:22	1
Toluene-d8 (Surr)	109		80 - 128		01/26/17 15:22	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			01/26/17 15:22	1
Toluene	ND		0.50		ug/L			01/26/17 15:22	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 15:22	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 15:22	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 15:22	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 15:22	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 15:22	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 15:22	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		01/26/17 15:22	1
Dibromofluoromethane (Surr)	101		76 - 132		01/26/17 15:22	1
Toluene-d8 (Surr)	109		80 - 128		01/26/17 15:22	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]	120		47		ug/L		01/25/17 13:30	01/28/17 00:15	1

Client Sample ID: MW-14B

Date Collected: 01/19/17 12:16
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-16

Matrix: Ground Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*55*		*20 - 120*	*01/25/17 13:30*	*01/28/17 00:15*	*1*

Client Sample ID: MW-14C

Date Collected: 01/19/17 13:52
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-17

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)	**73**		50		ug/L			01/26/17 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*01/26/17 15:51*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*01/26/17 15:51*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 15:51*	*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			01/26/17 15:51	1
Toluene	ND		0.50		ug/L			01/26/17 15:51	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 15:51	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 15:51	1
Methyl-t-Butyl Ether (MTBE)	**40**		0.50		ug/L			01/26/17 15:51	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 15:51	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 15:51	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 15:51	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*01/26/17 15:51*	*1*
Dibromofluoromethane (Surr)	*98*		*76 - 132*		*01/26/17 15:51*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 15:51*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
1,2-Dichlorobenzene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
1,2-Diphenylhydrazine(as Azobenzene)	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
1,3-Dichlorobenzene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
1,4-Dichlorobenzene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
2,4,5-Trichlorophenol	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
2,4,6-Trichlorophenol	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
2,4-Dichlorophenol	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
2,4-Dimethylphenol	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
2,4-Dinitrophenol	ND		380		ug/L		01/25/17 11:55	01/30/17 22:58	10
2,4-Dinitrotoluene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
2,6-Dinitrotoluene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
2-Chloronaphthalene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
2-Chlorophenol	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
2-Methylnaphthalene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
2-Methylphenol	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

Client Sample ID: MW-14C
Date Collected: 01/19/17 13:52
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-17
Matrix: Ground Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
2-Nitrophenol	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
3,3'-Dichlorobenzidine	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
3-Nitroaniline	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
4,6-Dinitro-2-methylphenol	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
4-Bromophenyl phenyl ether	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
4-Chloro-3-methylphenol	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
4-Chloroaniline	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
4-Chlorophenyl phenyl ether	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
3-Methylphenol + 4-Methylphenol	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
4-Nitroaniline	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
4-Nitrophenol	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Acenaphthene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Acenaphthylene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Aniline	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Anthracene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Benzidine	ND		380		ug/L		01/25/17 11:55	01/30/17 22:58	10
Benzo[a]anthracene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Benzo[a]pyrene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Benzo[b]fluoranthene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Benzo[g,h,i]perylene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Benzo[k]fluoranthene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Benzoic acid	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Benzyl alcohol	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Bis(2-chloroethoxy)methane	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Bis(2-chloroethyl)ether	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Bis(2-ethylhexyl) phthalate	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Butyl benzyl phthalate	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Chrysene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Dibenz(a,h)anthracene	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Dibenzofuran	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Diethyl phthalate	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Dimethyl phthalate	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Di-n-butyl phthalate	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Di-n-octyl phthalate	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Fluoranthene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Fluorene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Hexachlorobenzene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Hexachlorobutadiene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Hexachlorocyclopentadiene	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Hexachloroethane	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Indeno[1,2,3-cd]pyrene	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Isophorone	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Naphthalene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Nitrobenzene	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
N-Nitrosodi-n-propylamine	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
N-Nitrosodiphenylamine	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Pentachlorophenol	ND		190		ug/L		01/25/17 11:55	01/30/17 22:58	10
Phenanthrene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10

Client Sample ID: MW-14C
Date Collected: 01/19/17 13:52
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-17
Matrix: Ground Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
Pyrene	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10
bis (2-chloroisopropyl) ether	ND		95		ug/L		01/25/17 11:55	01/30/17 22:58	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
dl-2-Ethylhexyl chloroformate	*120*	*T J N*	*ug/L*		*10.43*	*24468-13-1*	*01/25/17 11:55*	*01/30/17 22:58*	*10*
Unknown	*2200*	*T J*	*ug/L*		*11.39*		*01/25/17 11:55*	*01/30/17 22:58*	*10*
Unknown	*100*	*T J*	*ug/L*		*11.98*		*01/25/17 11:55*	*01/30/17 22:58*	*10*
Unknown	*2200*	*T J*	*ug/L*		*12.75*		*01/25/17 11:55*	*01/30/17 22:58*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*50 - 120*	*01/25/17 11:55*	*01/30/17 22:58*	*10*
2-Fluorophenol (Surr)	*62*		*30 - 120*	*01/25/17 11:55*	*01/30/17 22:58*	*10*
2,4,6-Tribromophenol (Surr)	*72*		*40 - 120*	*01/25/17 11:55*	*01/30/17 22:58*	*10*
Nitrobenzene-d5 (Surr)	*55*		*45 - 120*	*01/25/17 11:55*	*01/30/17 22:58*	*10*
Terphenyl-d14 (Surr)	*79*		*10 - 150*	*01/25/17 11:55*	*01/30/17 22:58*	*10*
Phenol-d6 (Surr)	*54*		*35 - 120*	*01/25/17 11:55*	*01/30/17 22:58*	*10*

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]	**1500**		47		ug/L		01/25/17 13:30	01/30/17 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*48*		*20 - 120*	*01/25/17 13:30*	*01/30/17 16:45*	*1*

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

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
8270C	Semivolatile Organic Compounds (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

Client Sample ID: MW-1R

Lab Sample ID: 440-174434-1

Date Collected: 01/19/17 11:25

Matrix: Ground Water

Date Received: 01/24/17 09:40

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	384453	01/25/17 21:56	WK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384452	01/25/17 21:56	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1065 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385118	01/30/17 18:49	AMH	TAL IRV

Client Sample ID: MW-2R

Lab Sample ID: 440-174434-2

Date Collected: 01/19/17 13:50

Matrix: Ground Water

Date Received: 01/24/17 09:40

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	384453	01/25/17 23:43	WK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384452	01/25/17 23:43	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385118	01/30/17 19:09	AMH	TAL IRV

Client Sample ID: MW-2RB

Lab Sample ID: 440-174434-3

Date Collected: 01/19/17 13:15

Matrix: Ground Water

Date Received: 01/24/17 09:40

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	384453	01/26/17 00:42	WK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384452	01/26/17 00:42	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385118	01/30/17 19:29	AMH	TAL IRV

Client Sample ID: MW-2RC

Lab Sample ID: 440-174434-4

Date Collected: 01/19/17 15:30

Matrix: Ground Water

Date Received: 01/24/17 09:40

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	384453	01/26/17 00:12	WK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384452	01/26/17 00:12	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385118	01/30/17 20:09	AMH	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

Client Sample ID: MW-3R

Date Collected: 01/19/17 14:20
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-5

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	384453	01/26/17 01:11	WK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384452	01/26/17 01:11	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1065 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385118	01/30/17 20:30	AMH	TAL IRV

Client Sample ID: MW-5

Date Collected: 01/19/17 11:05
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-6

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	384453	01/26/17 01:40	WK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384452	01/26/17 01:40	WK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1065 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			384960	01/27/17 23:33	LMB	TAL IRV

Client Sample ID: MW-5B

Date Collected: 01/19/17 11:15
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-7

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	384506	01/26/17 10:03	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 10:03	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385766	02/01/17 17:11	AMH	TAL IRV

Client Sample ID: MW-5C

Date Collected: 01/19/17 14:10
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-8

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	384506	01/26/17 11:30	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 11:30	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385118	01/30/17 21:10	AMH	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

Client Sample ID: MW-8

Date Collected: 01/19/17 13:20
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-9

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	384506	01/26/17 11:59	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 11:59	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385136	01/30/17 16:00	AMH	TAL IRV

Client Sample ID: MW-8B

Date Collected: 01/19/17 12:40
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-10

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	384506	01/26/17 12:28	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 12:28	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1065 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385118	01/30/17 22:30	AMH	TAL IRV

Client Sample ID: MW-11B

Date Collected: 01/19/17 09:42
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-11

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	384506	01/26/17 12:57	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 12:57	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1065 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385118	01/30/17 22:50	AMH	TAL IRV

Client Sample ID: MW-12

Date Collected: 01/19/17 10:50
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-12

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	384506	01/26/17 13:26	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 13:26	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385136	01/30/17 16:23	AMH	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

Client Sample ID: MW-13
Date Collected: 01/19/17 12:00
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-13
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	384506	01/26/17 13:55	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 13:55	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385766	02/01/17 17:31	AMH	TAL IRV

Client Sample ID: MW-13B
Date Collected: 01/19/17 14:35
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-14
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	384506	01/26/17 14:24	GK	TAL IRV
Total/NA	Analysis	8260B	DL	10	10 mL	10 mL	384674	01/26/17 22:52	WK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 14:24	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1075 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385766	02/01/17 17:51	AMH	TAL IRV

Client Sample ID: MW-13C
Date Collected: 01/19/17 14:20
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-15
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	384506	01/26/17 14:53	GK	TAL IRV
Total/NA	Analysis	8260B	DL	10	10 mL	10 mL	384674	01/26/17 23:22	WK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 14:53	GK	TAL IRV
Total/NA	Prep	3520C			1060 mL	2 mL	384048	01/25/17 11:55	JC1	TAL IRV
Total/NA	Analysis	8270C		1			385222	01/30/17 18:49	DF	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1065 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385766	02/01/17 18:10	AMH	TAL IRV

Client Sample ID: MW-14B
Date Collected: 01/19/17 12:16
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-16
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	384506	01/26/17 15:22	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 15:22	GK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			384960	01/28/17 00:15	LMB	TAL IRV

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

Client Sample ID: MW-14C

Date Collected: 01/19/17 13:52
Date Received: 01/24/17 09:40

Lab Sample ID: 440-174434-17

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	384506	01/26/17 15:51	GK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	384505	01/26/17 15:51	GK	TAL IRV
Total/NA	Prep	3520C			1055 mL	2 mL	384048	01/25/17 11:55	JC1	TAL IRV
Total/NA	Analysis	8270C		10			385222	01/30/17 22:58	DF	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1055 mL	1 mL	384359	01/25/17 13:30	L2A	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			385136	01/30/17 16:45	AMH	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 440-384453/4
Matrix: Water
Analysis Batch: 384453

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			01/25/17 20:28	1
Toluene	ND		0.50		ug/L			01/25/17 20:28	1
Ethylbenzene	ND		0.50		ug/L			01/25/17 20:28	1
Xylenes, Total	ND		1.0		ug/L			01/25/17 20:28	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/25/17 20:28	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/25/17 20:28	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/25/17 20:28	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/25/17 20:28	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/25/17 20:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*01/25/17 20:28*	*1*
Dibromofluoromethane (Surr)	*101*		*76 - 132*		*01/25/17 20:28*	*1*
Toluene-d8 (Surr)	*109*		*80 - 128*		*01/25/17 20:28*	*1*

Lab Sample ID: LCS 440-384453/5
Matrix: Water
Analysis Batch: 384453

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	26.8		ug/L		107	68 - 130
Toluene	25.0	25.8		ug/L		103	70 - 130
Ethylbenzene	25.0	25.2		ug/L		101	70 - 130
m,p-Xylene	25.0	26.3		ug/L		105	70 - 130
o-Xylene	25.0	26.8		ug/L		107	70 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	25.8		ug/L		103	63 - 131
tert-Butyl alcohol (TBA)	250	272		ug/L		109	70 - 130
Isopropyl Ether (DIPE)	25.0	27.0		ug/L		108	58 - 139
Ethyl-t-butyl ether (ETBE)	25.0	26.1		ug/L		105	60 - 136
Tert-amyl-methyl ether (TAME)	25.0	24.8		ug/L		99	57 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*76 - 132*
Toluene-d8 (Surr)	*104*		*80 - 128*

Lab Sample ID: 440-174434-1 MS
Matrix: Ground Water
Analysis Batch: 384453

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	26.5		ug/L		106	66 - 130
Toluene	ND		25.0	26.2		ug/L		105	70 - 130
Ethylbenzene	ND		25.0	26.1		ug/L		104	70 - 130
m,p-Xylene	ND		25.0	27.0		ug/L		108	70 - 133
o-Xylene	ND		25.0	27.2		ug/L		109	70 - 133
Methyl-t-Butyl Ether (MTBE)	0.93		25.0	25.8		ug/L		99	70 - 130

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

Lab Sample ID: 440-174434-1 MS
Matrix: Ground Water
Analysis Batch: 384453

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)	370		250	628		ug/L		104	70 - 130
Isopropyl Ether (DIPE)	ND		25.0	26.2		ug/L		105	64 - 138
Ethyl-t-butyl ether (ETBE)	ND		25.0	25.3		ug/L		101	70 - 130
Tert-amyl-methyl ether (TAME)	ND		25.0	23.7		ug/L		95	68 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*76 - 132*
Toluene-d8 (Surr)	*105*		*80 - 128*

Lab Sample ID: 440-174434-1 MSD
Matrix: Ground Water
Analysis Batch: 384453

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	26.3		ug/L		105	66 - 130	1	20
Toluene	ND		25.0	27.1		ug/L		108	70 - 130	3	20
Ethylbenzene	ND		25.0	26.7		ug/L		107	70 - 130	2	20
m,p-Xylene	ND		25.0	27.3		ug/L		109	70 - 133	1	25
o-Xylene	ND		25.0	27.5		ug/L		110	70 - 133	1	20
Methyl-t-Butyl Ether (MTBE)	0.93		25.0	25.4		ug/L		98	70 - 130	2	25
tert-Butyl alcohol (TBA)	370		250	622		ug/L		101	70 - 130	1	25
Isopropyl Ether (DIPE)	ND		25.0	25.5		ug/L		102	64 - 138	3	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.7		ug/L		99	70 - 130	2	25
Tert-amyl-methyl ether (TAME)	ND		25.0	23.5		ug/L		94	68 - 133	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*76 - 132*
Toluene-d8 (Surr)	*107*		*80 - 128*

Lab Sample ID: MB 440-384506/4
Matrix: Water
Analysis Batch: 384506

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			01/26/17 08:36	1
Toluene	ND		0.50		ug/L			01/26/17 08:36	1
Ethylbenzene	ND		0.50		ug/L			01/26/17 08:36	1
Xylenes, Total	ND		1.0		ug/L			01/26/17 08:36	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 08:36	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			01/26/17 08:36	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			01/26/17 08:36	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			01/26/17 08:36	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			01/26/17 08:36	1

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

Lab Sample ID: MB 440-384506/4
Matrix: Water
Analysis Batch: 384506

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		01/26/17 08:36	1
Dibromofluoromethane (Surr)	92		76 - 132		01/26/17 08:36	1
Toluene-d8 (Surr)	110		80 - 128		01/26/17 08:36	1

Lab Sample ID: LCS 440-384506/5
Matrix: Water
Analysis Batch: 384506

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	25.5		ug/L		102	68 - 130
Toluene	25.0	25.3		ug/L		101	70 - 130
Ethylbenzene	25.0	23.9		ug/L		95	70 - 130
m,p-Xylene	25.0	26.3		ug/L		105	70 - 130
o-Xylene	25.0	26.0		ug/L		104	70 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	24.1		ug/L		97	63 - 131
tert-Butyl alcohol (TBA)	250	269		ug/L		108	70 - 130
Isopropyl Ether (DIPE)	25.0	28.5		ug/L		114	58 - 139
Ethyl-t-butyl ether (ETBE)	25.0	25.9		ug/L		104	60 - 136
Tert-amyl-methyl ether (TAME)	25.0	25.5		ug/L		102	57 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	93		76 - 132
Toluene-d8 (Surr)	106		80 - 128

Lab Sample ID: 440-174434-7 MS
Matrix: Ground Water
Analysis Batch: 384506

Client Sample ID: MW-5B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	27.0		ug/L		106	66 - 130
Toluene	ND		25.0	26.0		ug/L		104	70 - 130
Ethylbenzene	ND		25.0	25.1		ug/L		100	70 - 130
m,p-Xylene	ND		25.0	27.0		ug/L		108	70 - 133
o-Xylene	ND		25.0	26.7		ug/L		107	70 - 133
Methyl-t-Butyl Ether (MTBE)	27		25.0	48.9		ug/L		88	70 - 130
tert-Butyl alcohol (TBA)	ND		250	284		ug/L		113	70 - 130
Isopropyl Ether (DIPE)	ND		25.0	29.2		ug/L		117	64 - 138
Ethyl-t-butyl ether (ETBE)	ND		25.0	25.9		ug/L		104	70 - 130
Tert-amyl-methyl ether (TAME)	ND		25.0	25.6		ug/L		102	68 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	96		76 - 132
Toluene-d8 (Surr)	105		80 - 128

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

Lab Sample ID: 440-174434-7 MSD
Matrix: Ground Water
Analysis Batch: 384506

Client Sample ID: MW-5B
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	27.7		ug/L		109	66 - 130	3	20
Toluene	ND		25.0	26.6		ug/L		106	70 - 130	2	20
Ethylbenzene	ND		25.0	25.4		ug/L		102	70 - 130	1	20
m,p-Xylene	ND		25.0	27.2		ug/L		109	70 - 133	1	25
o-Xylene	ND		25.0	26.9		ug/L		108	70 - 133	1	20
Methyl-t-Butyl Ether (MTBE)	27		25.0	50.2		ug/L		93	70 - 130	3	25
tert-Butyl alcohol (TBA)	ND		250	285		ug/L		114	70 - 130	0	25
Isopropyl Ether (DIPE)	ND		25.0	29.9		ug/L		120	64 - 138	3	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	27.0		ug/L		108	70 - 130	4	25
Tert-amyl-methyl ether (TAME)	ND		25.0	26.4		ug/L		106	68 - 133	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*76 - 132*
Toluene-d8 (Surr)	*105*		*80 - 128*

Lab Sample ID: MB 440-384674/3
Matrix: Water
Analysis Batch: 384674

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			01/26/17 19:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*01/26/17 19:26*	*1*
Dibromofluoromethane (Surr)	*96*		*76 - 132*		*01/26/17 19:26*	*1*
Toluene-d8 (Surr)	*108*		*80 - 128*		*01/26/17 19:26*	*1*

Lab Sample ID: LCS 440-384674/4
Matrix: Water
Analysis Batch: 384674

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl-t-Butyl Ether (MTBE)			25.0	26.0		ug/L		104	63 - 131		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*76 - 132*
Toluene-d8 (Surr)	*102*		*80 - 128*

Lab Sample ID: 440-174684-B-5 MS
Matrix: Water
Analysis Batch: 384674

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		
Methyl-t-Butyl Ether (MTBE)	ND		25.0	26.7		ug/L		107	70 - 130		

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

Lab Sample ID: 440-174684-B-5 MS
Matrix: Water
Analysis Batch: 384674

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		80 - 120
Dibromofluoromethane (Surr)	96		76 - 132
Toluene-d8 (Surr)	102		80 - 128

Lab Sample ID: 440-174684-B-5 MSD
Matrix: Water
Analysis Batch: 384674

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
Methyl-t-Butyl Ether (MTBE)	ND		25.0	27.9		ug/L		112	70 - 130	5	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		80 - 120
Dibromofluoromethane (Surr)	98		76 - 132
Toluene-d8 (Surr)	102		80 - 128

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

Lab Sample ID: MB 440-384452/4
Matrix: Water
Analysis Batch: 384452

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			01/25/17 20:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 132		01/25/17 20:28	1
4-Bromofluorobenzene (Surr)	99		80 - 120		01/25/17 20:28	1
Toluene-d8 (Surr)	109		80 - 128		01/25/17 20:28	1

Lab Sample ID: LCS 440-384452/6
Matrix: Water
Analysis Batch: 384452

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	426		ug/L		85	55 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	100		76 - 132
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	109		80 - 128

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

Lab Sample ID: 440-174434-1 MS
Matrix: Ground Water
Analysis Batch: 384452

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	1780		ug/L		103	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*76 - 132*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 128*

Lab Sample ID: 440-174434-1 MSD
Matrix: Ground Water
Analysis Batch: 384452

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	1790		ug/L		104	50 - 145	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 132*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 128*

Lab Sample ID: MB 440-384505/4
Matrix: Water
Analysis Batch: 384505

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			01/26/17 08:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*92*		*76 - 132*		*01/26/17 08:36*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*01/26/17 08:36*	*1*
Toluene-d8 (Surr)	*110*		*80 - 128*		*01/26/17 08:36*	*1*

Lab Sample ID: LCS 440-384505/6
Matrix: Water
Analysis Batch: 384505

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	477		ug/L		95	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*76 - 132*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 128*

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

Lab Sample ID: 440-174434-7 MS
Matrix: Ground Water
Analysis Batch: 384505

Client Sample ID: MW-5B
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)	53		1730	2240		ug/L		127	50 - 145		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 132*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 128*

Lab Sample ID: 440-174434-7 MSD
Matrix: Ground Water
Analysis Batch: 384505

Client Sample ID: MW-5B
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)	53		1730	2260		ug/L		128	50 - 145	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*76 - 132*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 128*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-384048/1-A
Matrix: Water
Analysis Batch: 385222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
1,2-Dichlorobenzene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
1,2-Diphenylhydrazine(as Azobenzene)	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
1,3-Dichlorobenzene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
1,4-Dichlorobenzene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
2,4,5-Trichlorophenol	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
2,4,6-Trichlorophenol	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
2,4-Dichlorophenol	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
2,4-Dimethylphenol	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
2,4-Dinitrophenol	ND		40		ug/L		01/24/17 11:01	01/30/17 14:17	1
2,4-Dinitrotoluene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
2,6-Dinitrotoluene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
2-Chloronaphthalene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
2-Chlorophenol	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
2-Methylnaphthalene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
2-Methylphenol	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
2-Nitroaniline	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
2-Nitrophenol	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
3,3'-Dichlorobenzidine	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-384048/1-A
Matrix: Water
Analysis Batch: 385222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
4,6-Dinitro-2-methylphenol	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
4-Bromophenyl phenyl ether	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
4-Chloro-3-methylphenol	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
4-Chloroaniline	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
4-Chlorophenyl phenyl ether	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
3-Methylphenol + 4-Methylphenol	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
4-Nitroaniline	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
4-Nitrophenol	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Acenaphthene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Acenaphthylene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Aniline	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Anthracene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Benzidine	ND		40		ug/L		01/24/17 11:01	01/30/17 14:17	1
Benzo[a]anthracene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Benzo[a]pyrene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Benzo[b]fluoranthene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Benzo[g,h,i]perylene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Benzo[k]fluoranthene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Benzoic acid	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Benzyl alcohol	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Bis(2-chloroethoxy)methane	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Bis(2-chloroethyl)ether	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Bis(2-ethylhexyl) phthalate	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Butyl benzyl phthalate	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Chrysene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Dibenz(a,h)anthracene	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Dibenzofuran	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Diethyl phthalate	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Dimethyl phthalate	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Di-n-butyl phthalate	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Di-n-octyl phthalate	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Fluoranthene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Fluorene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Hexachlorobenzene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Hexachlorobutadiene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Hexachlorocyclopentadiene	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Hexachloroethane	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Indeno[1,2,3-cd]pyrene	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Isophorone	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Naphthalene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Nitrobenzene	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
N-Nitrosodi-n-propylamine	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
N-Nitrosodiphenylamine	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Pentachlorophenol	ND		20		ug/L		01/24/17 11:01	01/30/17 14:17	1
Phenanthrene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Phenol	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1
Pyrene	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-384048/1-A
Matrix: Water
Analysis Batch: 385222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		10		ug/L		01/24/17 11:01	01/30/17 14:17	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*01/24/17 11:01*	*01/30/17 14:17*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*50 - 120*	*01/24/17 11:01*	*01/30/17 14:17*	*1*
2-Fluorophenol (Surr)	*69*		*30 - 120*	*01/24/17 11:01*	*01/30/17 14:17*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*40 - 120*	*01/24/17 11:01*	*01/30/17 14:17*	*1*
Nitrobenzene-d5 (Surr)	*66*		*45 - 120*	*01/24/17 11:01*	*01/30/17 14:17*	*1*
Terphenyl-d14 (Surr)	*79*		*10 - 150*	*01/24/17 11:01*	*01/30/17 14:17*	*1*
Phenol-d6 (Surr)	*72*		*35 - 120*	*01/24/17 11:01*	*01/30/17 14:17*	*1*

Lab Sample ID: LCS 440-384048/2-A
Matrix: Water
Analysis Batch: 385222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	59.3		ug/L		59	25 - 84
1,2-Dichlorobenzene	100	59.1		ug/L		59	24 - 85
1,2-Diphenylhydrazine(as Azobenzene)	101	67.8		ug/L		67	44 - 113
1,3-Dichlorobenzene	100	55.9		ug/L		56	20 - 80
1,4-Dichlorobenzene	100	57.8		ug/L		58	22 - 81
2,4,5-Trichlorophenol	100	70.8		ug/L		71	24 - 121
2,4,6-Trichlorophenol	100	72.4		ug/L		72	20 - 121
2,4-Dichlorophenol	100	70.5		ug/L		70	23 - 113
2,4-Dimethylphenol	100	67.1		ug/L		67	39 - 94
2,4-Dinitrophenol	200	170		ug/L		85	23 - 134
2,4-Dinitrotoluene	100	75.9		ug/L		76	54 - 115
2,6-Dinitrotoluene	100	73.2		ug/L		73	50 - 115
2-Chloronaphthalene	100	62.7		ug/L		63	34 - 102
2-Chlorophenol	100	64.0		ug/L		64	20 - 106
2-Methylnaphthalene	100	68.2		ug/L		68	34 - 98
2-Methylphenol	100	69.3		ug/L		69	36 - 103
2-Nitroaniline	100	66.7		ug/L		67	48 - 111
2-Nitrophenol	100	73.2		ug/L		73	20 - 117
3,3'-Dichlorobenzidine	100	61.1		ug/L		61	22 - 97
3-Nitroaniline	100	83.1		ug/L		83	51 - 116
4,6-Dinitro-2-methylphenol	200	149		ug/L		74	28 - 139
4-Bromophenyl phenyl ether	100	71.3		ug/L		71	42 - 113
4-Chloro-3-methylphenol	100	71.9		ug/L		72	44 - 110
4-Chloroaniline	100	95.8		ug/L		96	42 - 109
4-Chlorophenyl phenyl ether	100	68.9		ug/L		69	38 - 115
3-Methylphenol + 4-Methylphenol	100	69.7		ug/L		70	35 - 106
4-Nitroaniline	100	78.3		ug/L		78	50 - 116
4-Nitrophenol	200	132		ug/L		66	26 - 132
Acenaphthene	100	68.7		ug/L		69	37 - 107

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-384048/2-A
Matrix: Water
Analysis Batch: 385222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	100	68.3		ug/L		68	39 - 107
Aniline	100	62.7		ug/L		63	27 - 115
Anthracene	100	70.0		ug/L		70	42 - 120
Benzidine	100	81.3		ug/L		81	5 - 150
Benzo[a]anthracene	100	70.8		ug/L		71	42 - 115
Benzo[a]pyrene	100	76.6		ug/L		77	41 - 117
Benzo[b]fluoranthene	100	76.2		ug/L		76	36 - 113
Benzo[g,h,i]perylene	100	80.4		ug/L		80	37 - 115
Benzo[k]fluoranthene	100	79.8		ug/L		80	42 - 122
Benzoic acid	100	83.5		ug/L		83	15 - 121
Benzyl alcohol	100	70.4		ug/L		70	39 - 106
Bis(2-chloroethoxy)methane	100	69.9		ug/L		70	47 - 104
Bis(2-chloroethyl)ether	100	63.4		ug/L		63	42 - 99
Bis(2-ethylhexyl) phthalate	100	72.4		ug/L		72	43 - 124
Butyl benzyl phthalate	100	74.3		ug/L		74	44 - 122
Chrysene	100	70.3		ug/L		70	42 - 118
Dibenz(a,h)anthracene	100	76.6		ug/L		77	40 - 114
Dibenzofuran	100	68.6		ug/L		69	37 - 113
Diethyl phthalate	100	71.2		ug/L		71	51 - 120
Dimethyl phthalate	100	74.6		ug/L		75	49 - 113
Di-n-butyl phthalate	100	72.8		ug/L		73	47 - 125
Di-n-octyl phthalate	100	73.2		ug/L		73	42 - 125
Fluoranthene	100	69.7		ug/L		70	44 - 119
Fluorene	100	68.3		ug/L		68	39 - 116
Hexachlorobenzene	100	70.4		ug/L		70	43 - 112
Hexachlorobutadiene	100	50.5		ug/L		50	14 - 77
Hexachlorocyclopentadiene	100	44.0		ug/L		44	10 - 77
Hexachloroethane	100	52.3		ug/L		52	13 - 75
Indeno[1,2,3-cd]pyrene	100	75.9		ug/L		76	35 - 116
Isophorone	100	71.8		ug/L		72	48 - 107
Naphthalene	100	64.9		ug/L		65	33 - 95
Nitrobenzene	100	61.9		ug/L		62	42 - 99
N-Nitrosodi-n-propylamine	100	69.4		ug/L		69	44 - 111
N-Nitrosodiphenylamine	100	73.4		ug/L		73	46 - 116
Pentachlorophenol	200	153		ug/L		77	26 - 136
Phenanthrene	100	71.4		ug/L		71	43 - 120
Phenol	100	62.4		ug/L		62	25 - 99
Pyrene	100	73.6		ug/L		74	43 - 119
bis (2-chloroisopropyl) ether	100	65.2		ug/L		65	38 - 104

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*50 - 120*
2-Fluorophenol (Surr)	*60*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*77*		*40 - 120*
Nitrobenzene-d5 (Surr)	*60*		*45 - 120*
Terphenyl-d14 (Surr)	*71*		*10 - 150*
Phenol-d6 (Surr)	*63*		*35 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-384048/3-A
Matrix: Water
Analysis Batch: 385222

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384048

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	64.3		ug/L		64	25 - 84	8	35
1,2-Dichlorobenzene	100	62.0		ug/L		62	24 - 85	5	35
1,2-Diphenylhydrazine(as Azobenzene)	101	75.2		ug/L		74	44 - 113	10	35
1,3-Dichlorobenzene	100	58.0		ug/L		58	20 - 80	4	35
1,4-Dichlorobenzene	100	59.9		ug/L		60	22 - 81	4	35
2,4,5-Trichlorophenol	100	78.8		ug/L		79	24 - 121	11	35
2,4,6-Trichlorophenol	100	79.3		ug/L		79	20 - 121	9	35
2,4-Dichlorophenol	100	75.5		ug/L		75	23 - 113	7	35
2,4-Dimethylphenol	100	69.5		ug/L		69	39 - 94	4	35
2,4-Dinitrophenol	200	194		ug/L		97	23 - 134	13	35
2,4-Dinitrotoluene	100	86.5		ug/L		86	54 - 115	13	35
2,6-Dinitrotoluene	100	79.9		ug/L		80	50 - 115	9	35
2-Chloronaphthalene	100	66.5		ug/L		67	34 - 102	6	35
2-Chlorophenol	100	65.9		ug/L		66	20 - 106	3	35
2-Methylnaphthalene	100	73.8		ug/L		74	34 - 98	8	35
2-Methylphenol	100	69.1		ug/L		69	36 - 103	0	35
2-Nitroaniline	100	72.6		ug/L		73	48 - 111	8	35
2-Nitrophenol	100	77.7		ug/L		78	20 - 117	6	35
3,3'-Dichlorobenzidine	100	77.6		ug/L		78	22 - 97	24	35
3-Nitroaniline	100	99.7		ug/L		100	51 - 116	18	35
4,6-Dinitro-2-methylphenol	200	174		ug/L		87	28 - 139	15	35
4-Bromophenyl phenyl ether	100	80.9		ug/L		81	42 - 113	13	35
4-Chloro-3-methylphenol	100	77.6		ug/L		78	44 - 110	8	35
4-Chloroaniline	100	92.5		ug/L		92	42 - 109	4	35
4-Chlorophenyl phenyl ether	100	74.9		ug/L		75	38 - 115	8	35
3-Methylphenol + 4-Methylphenol	100	70.9		ug/L		71	35 - 106	2	35
4-Nitroaniline	100	89.6		ug/L		90	50 - 116	14	35
4-Nitrophenol	200	123		ug/L		62	26 - 132	7	35
Acenaphthene	100	75.9		ug/L		76	37 - 107	10	35
Acenaphthylene	100	75.3		ug/L		75	39 - 107	10	35
Aniline	100	53.7		ug/L		54	27 - 115	15	35
Anthracene	100	80.3		ug/L		80	42 - 120	14	35
Benzidine	100	65.5		ug/L		65	5 - 150	22	35
Benzo[a]anthracene	100	81.8		ug/L		82	42 - 115	14	35
Benzo[a]pyrene	100	87.5		ug/L		88	41 - 117	13	35
Benzo[b]fluoranthene	100	84.9		ug/L		85	36 - 113	11	35
Benzo[g,h,i]perylene	100	93.1		ug/L		93	37 - 115	15	35
Benzo[k]fluoranthene	100	91.8		ug/L		92	42 - 122	14	35
Benzoic acid	100	82.0		ug/L		82	15 - 121	2	35
Benzyl alcohol	100	71.8		ug/L		72	39 - 106	2	35
Bis(2-chloroethoxy)methane	100	73.9		ug/L		74	47 - 104	6	35
Bis(2-chloroethyl)ether	100	67.4		ug/L		67	42 - 99	6	35
Bis(2-ethylhexyl) phthalate	100	81.3		ug/L		81	43 - 124	12	35
Butyl benzyl phthalate	100	83.5		ug/L		83	44 - 122	12	35
Chrysene	100	81.0		ug/L		81	42 - 118	14	35
Dibenz(a,h)anthracene	100	88.5		ug/L		89	40 - 114	14	35
Dibenzofuran	100	76.5		ug/L		76	37 - 113	11	35

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-384048/3-A
Matrix: Water
Analysis Batch: 385222

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 384048

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate			100	80.0		ug/L		80	51 - 120	12	35
Dimethyl phthalate			100	81.3		ug/L		81	49 - 113	9	35
Di-n-butyl phthalate			100	81.3		ug/L		81	47 - 125	11	35
Di-n-octyl phthalate			100	81.6		ug/L		82	42 - 125	11	35
Fluoranthene			100	81.7		ug/L		82	44 - 119	16	35
Fluorene			100	76.5		ug/L		77	39 - 116	11	35
Hexachlorobenzene			100	78.9		ug/L		79	43 - 112	11	35
Hexachlorobutadiene			100	55.1		ug/L		55	14 - 77	9	35
Hexachlorocyclopentadiene			100	48.4		ug/L		48	10 - 77	10	35
Hexachloroethane			100	55.0		ug/L		55	13 - 75	5	35
Indeno[1,2,3-cd]pyrene			100	90.9		ug/L		91	35 - 116	18	35
Isophorone			100	78.2		ug/L		78	48 - 107	8	35
Naphthalene			100	69.1		ug/L		69	33 - 95	6	35
Nitrobenzene			100	67.3		ug/L		67	42 - 99	8	35
N-Nitrosodi-n-propylamine			100	78.5		ug/L		78	44 - 111	12	35
N-Nitrosodiphenylamine			100	83.4		ug/L		83	46 - 116	13	35
Pentachlorophenol			200	177		ug/L		89	26 - 136	14	35
Phenanthrene			100	81.6		ug/L		82	43 - 120	13	35
Phenol			100	59.6		ug/L		60	25 - 99	5	35
Pyrene			100	85.1		ug/L		85	43 - 119	14	35
bis (2-chloroisopropyl) ether			100	69.4		ug/L		69	38 - 104	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*50 - 120*
2-Fluorophenol (Surr)	*56*		*30 - 120*
2,4,6-Tribromophenol (Surr)	*93*		*40 - 120*
Nitrobenzene-d5 (Surr)	*67*		*45 - 120*
Terphenyl-d14 (Surr)	*84*		*10 - 150*
Phenol-d6 (Surr)	*60*		*35 - 120*

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

Lab Sample ID: MB 440-384359/1-A
Matrix: Water
Analysis Batch: 385118

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 384359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		01/25/17 13:30	01/30/17 17:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*47*		*20 - 120*	*01/25/17 13:30*	*01/30/17 17:48*	*1*

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

Lab Sample ID: LCS 440-384359/2-A
Matrix: Water
Analysis Batch: 385118

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 384359

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			1000	340		ug/L		34	20 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*36*		*20 - 120*

Lab Sample ID: LCSD 440-384359/3-A
Matrix: Water
Analysis Batch: 385118

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 384359

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			1000	380		ug/L		38	20 - 120	11	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane	*43*		*20 - 120*

GC/MS VOA

Analysis Batch: 384452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-1	MW-1R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-2	MW-2R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-3	MW-2RB	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-4	MW-2RC	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-5	MW-3R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-6	MW-5	Total/NA	Ground Water	8260B/CA_LUFT MS	
MB 440-384452/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-384452/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
440-174434-1 MS	MW-1R	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-1 MSD	MW-1R	Total/NA	Ground Water	8260B/CA_LUFT MS	

Analysis Batch: 384453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-1	MW-1R	Total/NA	Ground Water	8260B	
440-174434-2	MW-2R	Total/NA	Ground Water	8260B	
440-174434-3	MW-2RB	Total/NA	Ground Water	8260B	
440-174434-4	MW-2RC	Total/NA	Ground Water	8260B	
440-174434-5	MW-3R	Total/NA	Ground Water	8260B	
440-174434-6	MW-5	Total/NA	Ground Water	8260B	
MB 440-384453/4	Method Blank	Total/NA	Water	8260B	
LCS 440-384453/5	Lab Control Sample	Total/NA	Water	8260B	
440-174434-1 MS	MW-1R	Total/NA	Ground Water	8260B	
440-174434-1 MSD	MW-1R	Total/NA	Ground Water	8260B	

Analysis Batch: 384505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-7	MW-5B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-8	MW-5C	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-9	MW-8	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-10	MW-8B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-11	MW-11B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-12	MW-12	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-13	MW-13	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-14	MW-13B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-15	MW-13C	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-16	MW-14B	Total/NA	Ground Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 384505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-17	MW-14C	Total/NA	Ground Water	8260B/CA_LUFT MS	
MB 440-384505/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-384505/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
440-174434-7 MS	MW-5B	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-174434-7 MSD	MW-5B	Total/NA	Ground Water	8260B/CA_LUFT MS	

Analysis Batch: 384506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-7	MW-5B	Total/NA	Ground Water	8260B	
440-174434-8	MW-5C	Total/NA	Ground Water	8260B	
440-174434-9	MW-8	Total/NA	Ground Water	8260B	
440-174434-10	MW-8B	Total/NA	Ground Water	8260B	
440-174434-11	MW-11B	Total/NA	Ground Water	8260B	
440-174434-12	MW-12	Total/NA	Ground Water	8260B	
440-174434-13	MW-13	Total/NA	Ground Water	8260B	
440-174434-14	MW-13B	Total/NA	Ground Water	8260B	
440-174434-15	MW-13C	Total/NA	Ground Water	8260B	
440-174434-16	MW-14B	Total/NA	Ground Water	8260B	
440-174434-17	MW-14C	Total/NA	Ground Water	8260B	
MB 440-384506/4	Method Blank	Total/NA	Water	8260B	
LCS 440-384506/5	Lab Control Sample	Total/NA	Water	8260B	
440-174434-7 MS	MW-5B	Total/NA	Ground Water	8260B	
440-174434-7 MSD	MW-5B	Total/NA	Ground Water	8260B	

Analysis Batch: 384674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-14 - DL	MW-13B	Total/NA	Ground Water	8260B	
440-174434-15 - DL	MW-13C	Total/NA	Ground Water	8260B	
MB 440-384674/3	Method Blank	Total/NA	Water	8260B	
LCS 440-384674/4	Lab Control Sample	Total/NA	Water	8260B	
440-174684-B-5 MS	Matrix Spike	Total/NA	Water	8260B	
440-174684-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 384048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-15	MW-13C	Total/NA	Ground Water	3520C	
440-174434-17	MW-14C	Total/NA	Ground Water	3520C	
MB 440-384048/1-A	Method Blank	Total/NA	Water	3520C	
LCS 440-384048/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 440-384048/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 385222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-15	MW-13C	Total/NA	Ground Water	8270C	384048
440-174434-17	MW-14C	Total/NA	Ground Water	8270C	384048

GC/MS Semi VOA (Continued)

Analysis Batch: 385222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-384048/1-A	Method Blank	Total/NA	Water	8270C	384048
LCS 440-384048/2-A	Lab Control Sample	Total/NA	Water	8270C	384048
LCSD 440-384048/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	384048

GC Semi VOA

Prep Batch: 384359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-1	MW-1R	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-2	MW-2R	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-3	MW-2RB	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-4	MW-2RC	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-5	MW-3R	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-6	MW-5	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-7	MW-5B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-8	MW-5C	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-9	MW-8	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-10	MW-8B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-11	MW-11B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-12	MW-12	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-13	MW-13	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-14	MW-13B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-15	MW-13C	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-16	MW-14B	Silica Gel Cleanup	Ground Water	3510C SGC	
440-174434-17	MW-14C	Silica Gel Cleanup	Ground Water	3510C SGC	
MB 440-384359/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 440-384359/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 440-384359/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 384960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-6	MW-5	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-16	MW-14B	Silica Gel Cleanup	Ground Water	8015B	384359

Analysis Batch: 385118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-1	MW-1R	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-2	MW-2R	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-3	MW-2RB	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-4	MW-2RC	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-5	MW-3R	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-8	MW-5C	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-10	MW-8B	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-11	MW-11B	Silica Gel Cleanup	Ground Water	8015B	384359
MB 440-384359/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	384359
LCS 440-384359/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	384359
LCSD 440-384359/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	384359

GC Semi VOA (Continued)

Analysis Batch: 385136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-9	MW-8	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-12	MW-12	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-17	MW-14C	Silica Gel Cleanup	Ground Water	8015B	384359

Analysis Batch: 385766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-174434-7	MW-5B	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-13	MW-13	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-14	MW-13B	Silica Gel Cleanup	Ground Water	8015B	384359
440-174434-15	MW-13C	Silica Gel Cleanup	Ground Water	8015B	384359

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

Qualifiers

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

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: AECOM Technical Services Inc.
Project/Site: Shell - 8999 San Ramon Rd., Dublin

TestAmerica Job ID: 440-174434-1

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	06-30-17
Arizona	State Program	9	AZ0671	10-14-17
California	LA Cty Sanitation Districts	9	10256	06-30-18
California	State Program	9	CA ELAP 2706	06-30-18
Guam	State Program	9	Cert. No. 16-001r	01-23-17 *
Hawaii	State Program	9	N/A	01-29-17 *
Kansas	NELAP Secondary AB	7	E-10420	07-31-17
Nevada	State Program	9	CA015312016-2	07-31-17
New Mexico	State Program	6	N/A	01-29-17 *
Northern Mariana Islands	State Program	9	MP0002	01-29-17 *
Oregon	NELAP	10	4028	01-29-17 *
USDA	Federal		P330-15-00184	07-08-18
Washington	State Program	10	C900	09-03-17

Laboratory: TestAmerica Pleasanton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-18

* Certification renewal pending - certification considered valid.

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record 3.4/2.3.0

AECOM

Please Check Appropriate Box:
☐ GW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☑ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☐ OTHER _____

Print Bill To Contact Name: Shane Olton
PO #:
PlaNet Site or Project ID: 33028
GSAP Project ID: USPC/00258,USRT/00572

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 01/19/17
PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services, Inc.
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave., San Jose, CA, 95112
PROJECT CONTACT (Hardcopy or PDF Report to): Bart Gebbie
TELEPHONE: 310-885-4455 Ext. 103
FAX: 310-637-5802
Bill To Contact E-MAIL: shane.olton@aecom.com

SITE ADDRESS: Street and City: 8999 San Ramon Rd., Dublin
State: CA
AECOM Project / Task Number: 60482486
EDF DELIVERABLE TO (Name, Company, Office Location): Margaret Baber, AECOM, Oakland, CA
PHONE NO.: 510-893-3600
E-MAIL: margaret.baber@aecom.com
AECOM Other ID: 10007871
SAMPLER NAME(S) (Print): GREG ROBERTS, KRIS KUBOTA
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:

DELIVERABLES: ☑ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

Run TPH-D w/ Silica Gel Clean Up
If TPH-D is detected in MW-2RC, MW-13C, and/or MW-14C, analyze samples for SVOCs by 8270 for TICs
Email invoice to USAPimaging@aecom.com

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

REQUESTED ANALYSIS

UNIT COST: TPH-GRO, Purgeable (8260B); TPH-DRO, Extractable (8015M0); BTEX (8260B); 5 OXYS (8260B)
NON-UNIT COST: SVOCs for TICs (Only if TPH-D is detected)

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO	TPH-DRO	BTEX	5 OXYS	SVOCs for TICs	Container PID Readings or Laboratory Notes
	MW-1R	1/19/17	1125	WG	X			X		5	X	X	X	X		
	MW-2R		1350		X			X		5	X	X	X	X		
	MW-2RB		1315		X			X		5	X	X	X	X		
	MW-2RC		1530		X			X		9	X	X	X	X	X	
	MW-3R		1420		X			X		5	X	X	X	X		
	MW-5		1105		X			X		5	X	X	X	X		
	MW-5B		1115		X			X		5	X	X	X	X		
	MW-5C		1410		X			X		5	X	X	X	X		
	MW-8		1320		X			X		5	X	X	X	X		
	MW-8B		1240		X			X		5	X	X	X	X		

440-174434 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date: 01/19/17	Time: 1700
Relinquished by: (Signature) BTS/SC	Received by: (Signature) (SAMPLE CUSTODIAN)	Date: 1/20/17	Time: 15:30
Relinquished by: (Signature)	Received by: (Signature)	Date: 1/20/17	Time: 1717

Version: 14Dec15

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2/2/2017

Joan Muller 1-23-17 1600

Margaret Baber 01/24/17 9:40

7190072643 62

3.3/1.8/1.0 2.3/1.5 IR
1.9/1.1 1.3/0.5 66

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (_____)
☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

Equilon Enterprises LLC dba Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:		
☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☑ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☐ OTHER _____	

Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
Shane Olton	33028	DATE: 01/19/17
PO #	GSAP Project ID	PAGE: 2 of 2
	USPC/00258,USRT/00572	

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	AECOM Project / Task Number
Blaine Tech Services, Inc.	BTSS	8999 San Ramon Rd., Dublin	CA	60482486

ADDRESS	EDF DELIVERABLE TO (Name, Company, Office Location)	PHONE NO.:	E-MAIL:	AECOM Other ID
1680 Rogers Ave., San Jose, CA, 95112	Margaret Baber, AECOM, Oakland, CA	510-893-3600	margaret.baber@aecom.com	10007871

PROJECT CONTACT (Hardcopy or PDF Report to)	TELEPHONE	FAX	Bill To Contact E-MAIL:
Bart Gebbie	310-885-4455 Ext. 103	310-637-5802	shane.olton@aecom.com

SAMPLER NAME(S) (Print): GREG ROBERTS, KRIS KUBOTA

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:

DELIVERABLES: ☑ LEVEL 1 ☐ LEVEL 2 ☐ LEVEL 3 ☐ LEVEL 4 ☐ OTHER (SPECIFY) _____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

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If TPH-D is detected in MW-2RC, MW-13C, and/or MW-14C, analyze samples for SVOCs by 8270 for TICs
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☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	UNIT COST: TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M0	BTEX (8260B)	5 OXYS (8260B)	NON-UNIT COST: SVOCs for TICs (Only if TPH-D is detected)	FIELD NOTES: Container PID Readings or Laboratory Notes
	MW-11B	1/19/17	0942	WG	X			X		5	X	X	X	X		
	MW-12		1030		X			X		5	X	X	X	X		
	MW-13		1200		X			X		5	X	X	X	X		
	MW-13B		1435		X			X		5	X	X	X	X		
	MW-13C		1420		X			X		9	X	X	X	X	X	
	MW-14B		1216		X			X		5	X	X	X	X		
	MW-14C		1352		X			X		9	X	X	X	X	X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	(SAMPLE CUSTODIAN)	01/19/17	1700
BOS/SC		1/20/17	15:30
1-23-17 1600	01/24/17 940	1/20/17	17/7

Version: 14Dec15

2/2/2017

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 440-174434-1

Login Number: 174434

List Source: TestAmerica Irvine

List Number: 1

Creator: Garcia, Veronica G

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 (excluding tests with immediate HTs)	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	