Shell Oil Products US
DS Soil & Groundwater Focus Delivery Group
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Email Deborah.Pryor@shell.com
Internet http://www.shell.com

Ms. Anne Jurek
Alameda County Environmental Health
1131 Harbor Parkway, Suite 250
Alameda, CA 94502-6577

Date: May 5, 2016

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

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,
Shell Oil Products US

Deborah R. Pryor

Deborah Pryor
Senior Program Manager

AECOM
1333 Broadway
Suite 800
Oakland, CA 94612
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510 874 3268 fax

May 2, 2016

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

Re: First Semiannual 2016 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 2016 at theShell-Branded Service Station located at 8999 San Ramon Road in Dublin, California.

If you have any questions regarding this submittal, please contact Sara Heikkila at (213) 996-2285 or Sara.Heikkila@AECOM.com.

Sincerely,

Sara Heikkila
Project Manager

Aubrey Cool, P.G.
Portfolio Manager

Enclosures: Groundwater Monitoring Report

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

AECOM

First Semiannual 2016 Groundwater Monitoring Report

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

May 2016

AECOM

First Semiannual 2016 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.
1333 Broadway, Suite 800
Oakland, California 94612

On Behalf of

Shell Oil Products US

May 2, 2016

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Appendix B Analytical Report (TestAmerica Laboratories, Inc.)

1 Introduction

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

1.1 Site Information

Site Name:	Shell-Branded Service Station
Site Address:	8999 San Ramon Road, Dublin, California
Shell Environmental Services Program Manager:	Deborah Pryor
Consulting Company / Contact Person:	AECOM / Sara Heikkila
Primary Agency:	Alameda County Environmental Health

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 March 17, 2016, 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.

2.2 Current Findings

Shallow Groundwater Elevation:	380.84 to 395.95 feet above mean sea level (ft amsl)
Shallow Groundwater Gradient (direction):	Southeast
Shallow Groundwater Gradient (magnitude):	0.053 feet per foot (ft/ft)
Intermediate Groundwater Elevation:	378.16 to 390.22 ft amsl
Intermediate Groundwater Gradient (direction):	East-Northeast
Intermediate Groundwater Gradient (magnitude):	0.064 ft/ft
Deeper Groundwater Elevation:	381.49 to 384.71 ft amsl
Deeper Groundwater Gradient (direction):	East
Deeper Groundwater Gradient (magnitude):	0.0060 ft/ft

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.

3 Conclusions and Recommendations

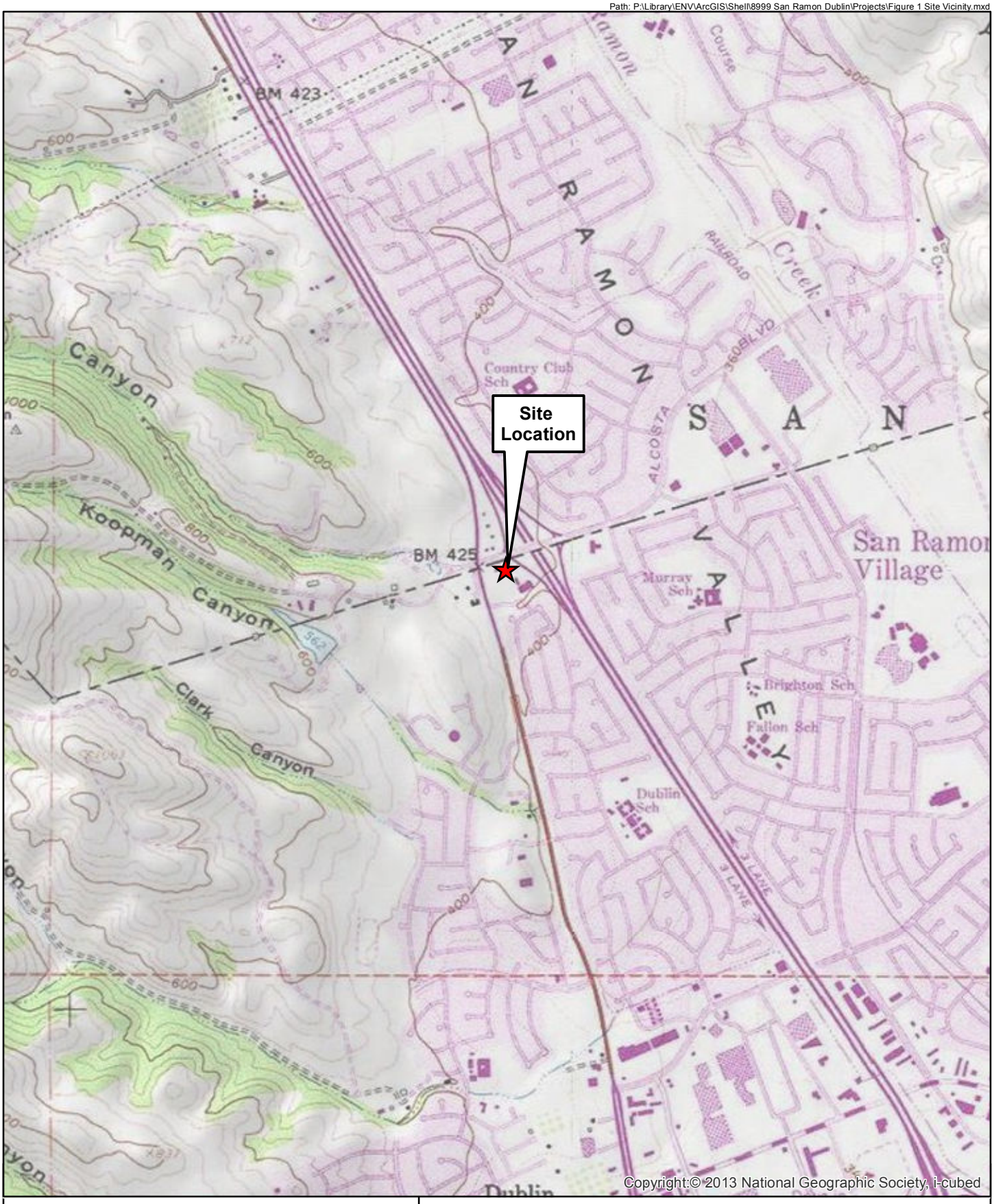
Seventeen wells were gauged and sampled for total petroleum hydrocarbons as diesel (TPHd), total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary-butyl ether (MTBE), tertiary-butyl alcohol (TBA), diisopropyl ether, ethyl tertiary-butyl ether, and tertiary-amyl methyl ether. No BTEX or fuel oxygenates other than MTBE and TBA were detected. MW-2RC, MW-13C and MW-14C were additionally analyzed for semivolatile organic compounds; none were detected this quarter.

- TPHd was detected in 14 wells at concentrations ranging from 50 micrograms per liter (µg/L) (MW-3R) to 740 µg/L (MW-14C).
- TPHg was detected in two wells at concentrations of 180 µg/L (MW-2RC) and 430 µg/L (MW-2R).
- MTBE was detected in five wells at concentrations ranging from 26 µg/L (MW-13B) to 210 µg/L (MW-5C).
- TBA was detected in MW-1R at a concentration of 950 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
395.95
<1.0
<2.0
<50

MW-8
391.68
<1.0
<2.0
<50

MW-12
380.84
<1.0
<2.0
<50

MW-1R
395.90
<1.0
<2.0
950

MW-2R
391.37
<1.0
<2.0
<50

MW-5
390.92
<1.0
<2.0
<50

MW-13
384.95
<1.0
<2.0
<50

MW-4, MW-3R, GP-12, GP-11, GP-13, GP-9, GP-10, Dispenser Islands, Canopy, Kiosk, 395.00, GP-8, MW-6, GP-7, CPT-1, MW-10, GP-6, GP-5, MW-3, USTs, GP-3, GP-2, GP-14, MW-2, CPT-2, MW-1, MW-1R, GP-1, Shell Station, *8999 San Ramon Rd.*, Planter, Store, Car Wash, MW-2R, MW-2RB, MW-2RC, 390.00, MW-7, 0.053, MW-9, 385.00, Parking Lot, CPT-3, MW-5C, MW-5, MW-5B, MW-14C, MW-14B, Planter, MW-13C, MW-13B, MW-13, Condos, MW-8, MW-8B, Restaurant & Stores, MW-12, MW-11, MW-11B, Parking Lot, Condos, Condos, Parking Lot, 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)
- 0.053 — Groundwater flow direction and gradient in feet per foot
- 385.00 — Groundwater elevation contour, in feet above mean sea level (ft amsl)

WELL	Well designation
ELEV	Groundwater elevation, in ft amsl
BENZ	Benzene, MTBE, and TBA concentrations are in micrograms per liter
MTBE	
TBA	

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
March 17, 2016

AECOM

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

L:\ENVARCGIS\SHELL\8999 SAN RAMON DUBLIN\PROJECTS\1Q2016\FIGURE 2 SHALLOW GROUNDWATER AND CHEMICAL CONCENTRATION MAP.DWG - 27 Apr 2016

ALCOSTA BOULEVARD

I-680 ON-RAMP

SAN RAMON ROAD

Shell Station
8999 San Ramon Rd.

Planter
Store
Car Wash
Canopy
Dispenser Islands
Kiosk
USTs
Parking Lot
Restaurant & Stores
Condos

MW-4
MW-3R
GP-12
GP-11
GP-13
GP-9
GP-10
MW-6
GP-7
GP-8
MW-10
CPT-1
GP-6
GP-5
MW-3
GP-3
GP-2
GP-14
MW-2
CPT-2
MW-1
MW-1R
GP-1
MW-2R
MW-2RB
MW-2RC
MW-7
CPT-3
MW-5C
MW-5
MW-5B
MW-8
MW-8B
MW-9
MW-12
MW-11
MW-11B
MW-14C
MW-14B
MW-13C
MW-13B
MW-13

MW-8B
389.25
<1.0
<2.0
<50

MW-2RB
389.13
<1.0
<2.0
<50

MW-5B
390.22
<1.0
<2.0
<50

MW-13B
388.01
<1.0
26
<50

MW-11B
378.16
<1.0
<2.0
<50

MW-14B
389.05
<1.0
<2.0
<50

388.00
385.50
383.00
380.50
0.064

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)
- 0.064 — Groundwater flow direction and gradient in feet per foot
- 380.50 — Groundwater elevation contour, in feet above mean sea level (ft amsl)

WELL	Well designation
ELEV	Groundwater elevation, in ft amsl
BENZ	Benzene, MTBE, and TBA concentrations are in micrograms per liter
MTBE	
TBA	

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
March 17, 2016

AECOM

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

L:\ENVARCGIS\SHELL\8999 SAN RAMON DUBLIN\PROJECTS\1Q2016\FIGURE 3 INTERMEDIATE GROUNDWATER AND CHEMICAL CONCENTRATION MAP.DWG - 2 May 2016

ALCOSTA BOULEVARD

SAN RAMON ROAD

I-680 ON-RAMP

Shell Station
8999 San Ramon Rd.

Planter
Canopy
Dispenser Islands
Kiosk
USTs
Store
Car Wash
Parking Lot
Restaurant & Stores
Condos

MW-4
MW-3R
GP-12
GP-11
GP-13
GP-9
GP-10
MW-6
GP-8
GP-7
MW-10
CPT-1
GP-6
GP-5
MW-3
GP-3
GP-2
GP-14
MW-2
CPT-2
MW-1
MW-1R
GP-1
MW-2R
MW-2RC
MW-2RB
MW-8
MW-8B
MW-12
MW-11
MW-11B
MW-9
MW-7
MW-5C
CPT-3
MW-5
MW-5B
MW-14C
MW-14B
MW-13C
MW-13B
MW-13

384.00
383.00
382.00
0.006

MW-2RC
384.64
<1.0
33
<50 k

MW-5C
384.71
<5.0
210
<250

MW-13C
384.57
<2.0
160
<100

MW-14C
381.49
<1.0
45
<50

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)
- 0.006 — Groundwater flow direction and gradient in feet per foot
- 382.00 — Groundwater elevation contour, in feet above mean sea level (ft amsl)

WELL	Well designation
ELEV	Groundwater elevation, in ft amsl
BENZ	Benzene, MTBE, and TBA concentrations are in micrograms per liter
MTBE	
TBA	

Notes:
<X.XX = Not detected at or above laboratory reporting limit X.XX
k = ISTD response or retention time outside acceptable limits

N

0 20 40
Feet

SOURCE: GHD BASE MAP

Figure 4
Deeper Groundwater Contour and Chemical Concentration Map
March 17, 2016

AECOM

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

L:\ENVARCGIS\SHELL\8999 SAN RAMON DUBLIN\PROJECTS\1Q2016\FIGURE 4 DEEP GROUNDWATER AND CHEMICAL CONCENTRATION MAP.DWG - 27 Apr 2016

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

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	07/29/2014	---	---	---	---	---	---	---	---	---	---	---	421.41	33.92	387.49
MW-1R	07/30/2014	76	<50	<0.50	<0.50	<0.50	<1.0	0.60	<10	<0.50	<0.50	<0.50	421.41	---	---
MW-1R	02/02/2015	<48	100 j	<0.50	<0.50	<0.50	<1.0	1.5	1,400	<0.50	<0.50	<0.50	421.41	29.73	391.68
MW-1R	07/30/2015	<48	<50	<0.50	<0.50	<0.50	<1.0	1.6	290	<0.50	<0.50	<0.50	421.41	32.48	388.93
MW-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-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-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-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
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

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	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-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	---
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

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	05/23/2011	<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-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
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		---	---	---	---	---	---	---	---	---	---	---	---

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	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	---	---
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	---	---

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	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-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
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	---	---

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

Well ID	Date	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-5B	02/02/2015	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-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
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

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	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-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
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	---	---

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	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
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

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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-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-8B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	414.81	26.81	388.00
MW-8B	02/15/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	17	65	<2.0	<2.0	<2.0	414.81	26.23	388.58
MW-8B	05/27/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	23	33	<2.0	<2.0	<2.0	414.81	25.51	389.30
MW-8B	08/05/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	11	<10	<2.0	<2.0	<2.0	414.81	28.72	386.09
MW-8B	11/17/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	6.3	<10	<2.0	<2.0	<2.0	414.81	31.66	383.15
MW-8B	02/05/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	5.4	<10	<2.0	<2.0	<2.0	414.81	30.97	383.84
MW-8B	05/07/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	6.4	<10	<2.0	<2.0	<2.0	414.81	25.92	388.89
MW-8B	08/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	3.8	<10	<2.0	<2.0	<2.0	414.81	30.13	384.68
MW-8B	11/10/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	2.5	<10	<2.0	<2.0	<2.0	414.81	30.28	384.53
MW-8B	02/15/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	2.2	<10	<2.0	<2.0	<2.0	414.81	27.54	387.27
MW-8B	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	414.81	25.36	389.45
MW-8B	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	1.9	<10	<2.0	<2.0	<2.0	414.81	23.18	391.63
MW-8B	08/09/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	414.81	27.90	386.91
MW-8B	11/08/2010	58 b	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	414.81	31.22	383.59
MW-8B	01/25/2011	<500	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	414.81	27.44	387.37
MW-8B	05/23/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	1.4	<10	<1.0	<1.0	<1.0	414.81	21.18	393.63
MW-8B	07/26/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	1.4	<10	<1.0	<1.0	<1.0	414.81	21.65	393.16
MW-8B	11/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	414.81	28.83	385.98
MW-8B	01/26/2012	62	<50	<0.50	<0.50	<0.50	<1.0	1.3	<10	<0.50	<0.50	<0.50	414.81	29.30	385.51

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	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-9	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	412.69	27.75	384.94
MW-9	08/24/2006	69.9	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	86.8	<0.500	<0.500	<0.500	412.69	28.35	384.34
MW-9	11/02/2006	---	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<5.0	<2.0	<2.0	<2.0	412.69	28.43	384.26
MW-9	01/29/2007	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	06/05/2007	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.72	383.97
MW-9	08/27/2007	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	11/30/2007	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	02/15/2008	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.00	384.69
MW-9	05/27/2008	---	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	412.69	27.93	384.76
MW-9	08/05/2008	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.40	384.29
MW-9	11/17/2008	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	02/05/2009	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.54	384.15
MW-9	05/07/2009	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.41	384.28
MW-9	08/20/2009	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	11/10/2009	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	02/15/2010	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---
MW-9	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	412.69	28.75	383.94
MW-9	05/07/2010	Insufficient water		---	---	---	---	---	---	---	---	---	412.69	28.35	384.34
MW-9	08/09/2010	330 b	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	412.69	28.03	384.66
MW-9	11/08/2010	730 b	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	412.69	28.50	384.19
MW-9	01/25/2011	Well dry	---	---	---	---	---	---	---	---	---	---	412.69	---	---

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	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	---	---
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	---	---

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	11/08/2010	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	01/25/2011	Well dry	---	---	---	---	---	---	---	---	---	---	409.69	---	---
MW-11	02/17/2011	Well destroyed		---	---	---	---	---	---	---	---	---	---	---	---
MW-11B	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	409.03	31.47	377.56
MW-11B	02/15/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	31.53	377.50
MW-11B	05/27/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	30.83	378.20
MW-11B	08/05/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	33.51	375.52
MW-11B	11/17/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	35.80	373.23
MW-11B	02/05/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	36.11	372.92
MW-11B	05/07/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	31.21	377.82
MW-11B	08/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	34.68	374.35
MW-11B	11/10/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	35.74	373.29
MW-11B	02/15/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	32.30	376.73
MW-11B	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	409.03	30.54	378.49
MW-11B	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	28.62	380.41
MW-11B	08/09/2010	<50	<50	5.6	<1.0	<1.0	1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	32.62	376.41
MW-11B	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	409.03	35.95	373.08
MW-11B	01/25/2011	<470	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	409.03	32.92	376.11
MW-11B	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	409.03	27.28	381.75
MW-11B	07/26/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	409.03	27.78	381.25
MW-11B	11/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	409.03	33.50	375.53
MW-11B	01/26/2012	<47	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	34.95	374.08
MW-11B	05/11/2012	77	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	30.70	378.33
MW-11B	08/02/2012	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	409.03	33.20	375.83
MW-11B	01/17/2013	49	67	3.3	2.6	1.7	13	<0.50	<10	<0.50	<0.50	<0.50	409.03	33.30	375.73
MW-11B	08/09/2013	Insufficient water		---	---	---	---	---	---	---	---	---	409.03	37.50	371.53
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

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	**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-12	02/07/2008	---	---	---	---	---	---	---	---	---	---	---	411.18	31.10	380.08
MW-12	02/15/2008	<50	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	31.22	379.96
MW-12	05/27/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	30.53	380.65
MW-12	08/05/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	33.29	377.89
MW-12	11/17/2008	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	35.20	375.98
MW-12	02/05/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	35.12	376.06
MW-12	05/07/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	30.81	380.37
MW-12	08/20/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	34.21	376.97
MW-12	11/10/2009	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	34.75	376.43
MW-12	02/15/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	31.99	379.19
MW-12	03/19/2010	---	---	---	---	---	---	---	---	---	---	---	411.18	30.34	380.84
MW-12	05/07/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	28.58	382.60
MW-12	08/09/2010	<50	<50	6.0	<1.0	<1.0	1.2	<1.0	<10	<2.0	<2.0	<2.0	411.18	32.42	378.76
MW-12	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	411.18	35.18	376.00
MW-12	01/25/2011	<490	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	411.18	32.52	378.66
MW-12	05/23/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	411.18	27.10	384.08
MW-12	07/26/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	411.18	27.36	383.82
MW-12	11/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	411.18	33.39	377.79
MW-12	01/26/2012	<47	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	34.30	376.88
MW-12	05/11/2012	<47	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	30.35	380.83
MW-12	08/02/2012	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	411.18	33.00	378.18
MW-12	01/17/2013	57	84	3.9	3.1	2.3	18	<0.50	<10	<0.50	<0.50	<0.50	411.18	34.79	376.39
MW-12	08/09/2013	56	85	0.57	1.6	2.2	10	<0.50	<10	<0.50	<0.50	<0.50	411.18	35.51	375.67
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**

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-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-13B	05/13/2011	---	---	---	---	---	---	---	---	---	---	---	415.39	23.40	391.99
MW-13B	05/23/2011	210	<50	<0.50	<0.50	<0.50	<1.0	17	<10	<1.0	<1.0	<1.0	415.39	23.04	392.35
MW-13B	07/26/2011	230	<50	<0.50	<0.50	<0.50	<1.0	42	<10	<1.0	<1.0	<1.0	415.39	25.01	390.38
MW-13B	11/03/2011	80	<50	<0.50	<0.50	<0.50	<1.0	2.0	<10	<1.0	<1.0	<1.0	415.39	31.49	383.90
MW-13B	01/26/2012	99	66	<0.50	<0.50	<0.50	<1.0	56	<10	<0.50	<0.50	<0.50	415.39	36.08	379.31
MW-13B	05/11/2012	320	<50	<0.50	<0.50	<0.50	<1.0	24	<10	<0.50	<0.50	<0.50	415.39	31.83	383.56
MW-13B	08/02/2012	1,200	140	<0.50	<0.50	<0.50	<1.0	1.7	<10	<0.50	<0.50	<0.50	415.39	33.73	381.66
MW-13B	01/17/2013	470	66 i	<0.50	<0.50	<0.50	<1.0	63	24	<0.50	<0.50	<0.50	415.39	31.70	383.69
MW-13B	08/09/2013	<48	180	<0.50	<0.50	<0.50	<1.0	180	<10	<0.50	<0.50	<0.50	415.39	36.51	378.88
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-13C	05/13/2011	---	---	---	---	---	---	---	---	---	---	---	415.73	26.55	389.18

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-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-14B	05/11/2011	---	---	---	---	---	---	---	---	---	---	---	413.33	20.37	392.96
MW-14B	05/23/2011	58	<50	<0.50	<0.50	<0.50	<1.0	4.5	<10	<1.0	<1.0	<1.0	413.33	20.19	393.14
MW-14B	07/26/2011	84	<50	<0.50	<0.50	<0.50	<1.0	4.9	<10	<1.0	<1.0	<1.0	413.33	21.47	391.86
MW-14B	11/03/2011	<48	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	413.33	28.18	385.15
MW-14B	01/26/2012	2,500	<50	<0.50	<0.50	<0.50	<1.0	2.5	<10	<0.50	<0.50	<0.50	413.33	29.74	383.59
MW-14B	05/11/2012	63	<50	<0.50	<0.50	<0.50	<1.0	1.1	<10	<0.50	<0.50	<0.50	413.33	26.00	387.33
MW-14B	08/02/2012	650 e	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	413.33	28.86	384.47
MW-14B	01/17/2013	130	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	413.33	28.10	385.23
MW-14B	08/09/2013	<48	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	413.33	35.49	377.84
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-14C	05/11/2011	Well compromised during installation					---	---	---	---	---	---	413.48	---	---

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-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**

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	=	Not detected at reporting limit x
---	=	Not analyzed or available
a	=	TPHd analyzed without silica gel clean-up.
b	=	The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown Hydrocarbon(s) in the sample was based upon the specified standard.
c	=	Analyzed by EPA Method 8015B (M)
d	=	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
e	=	Hydrocarbon result partly due to discrete peak(s) in quantitation range
f	=	Due to the low levels of analyte found in the sample, the analyte was qualitatively identified based on the presence of a single mass ion.
g	=	Sample received and analyzed without chemical preservation
h	=	Sample container contained headspace
i	=	Concentration reported is due to the presence of discrete peak of MTBE.
j	=	Concentration reported is due to the presence of discrete peak of 2-Methyl-2-propanol.
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

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

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with104830.

The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-5C (720-71012-8) and MW-13C (720-71012-15). Elevated reporting limits (RLs) are provided.

The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1R (720-71012-1). Elevated reporting limits (RLs) are provided.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 105023

Internal standard (ISTD) response for the following sample was outside control limits: MW-2RC (720-71012-4). The sample was re-analyzed with concurring results, and the original set of data has been reported.

The Gasoline Range Organics (GRO) concentration reported for the following sample is due to the presence of discrete peaks: MW-2RC (720-71012-4). 2-Ethyl-1-hexanol

The following samples were diluted to bring the concentration of 8260B target analytes within the
calibration range: MW-5C (720-71012-8) and MW-13C (720-71012-15). Elevated reporting limits (RLs) are provided.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 104829.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associatedwith analytical batch 320-104193 for method 8015-aqueous.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 320-104361 for method 8270-aqueous.

Appendix A

Field Notes
(Blaine Tech Services, Inc.)

WELL GAUGING DATA

Project # 160317-CK1 Date 3/17/16 Client SHELL

Site 9999 SAN RAMON RD, DUBLIN

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1R	0850	4					25.51	39.65		
MW-2R	0845	2					24.45	45.21		
MW-2RB	0841	2					26.53	68.16		
MW-2RC	0830	2					31.33	106.14		
MW-3R	0821	4					21.23	34.66		
MW-5	0820	4					25.96	208E		
MW-5B	0823	4					27.44	66.60		
MW-5C	0900	4					32.39	98.25		
MW-8	0838	4					22.86	28.74		
MW-8B	0851	4					25.56	68.40		
MW-11B	0905	4					30.07	38.30		
MW-12	0859	4					30.34	38.80		
MW-13	0830	2					30.82	44.70		
MW-13B	0845	2					27.38	68.33		
MW-13C	0854	2					31.16	95.27		
MW-14B	0836	2					24.28	68.00		
MW-14C	0840	2					31.61	100.18		

SHELL WELL MONITORING DATA SHEET

BTS #: 160217-CK1	Site: 8099 San Ramon, Dublin
Sampler: CK	Date: 3/17/16
Well I.D.: MW-1R	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 39.65	Depth to Water (DTW): 25.51
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.34	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other

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

9.2 (Gals.) X 3 = 27.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS/cm or (uS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
1110	68.5	6.94	701	37	10.0	
1112	69.0	6.92	672	13	20.0	
	DEWATERED @		25.0	—	25.0	
1420	70.7	7.60	716	10	—	

Did well dewater? Yes (No) Gallons actually evacuated: 25.0

Sampling Date: 3/17/16 Sampling Time: 1420 Depth to Water: 25.60

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

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) SLT CCR

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CK1	Site: 9756995
Sampler: VL	Date: 03/17/16
Well I.D.: MW-2R	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 45.21	Depth to Water (DTW): 24.45
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]: 28.60	

Purge Method: Bailer; Disposable Bailer; Middleburg; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

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

3.3 (Gals.) X	3	=	9.9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1115	69.9	6.15	585	23	3.5	clear/odor
1117	68.5	6.20	591	18	7.0	1
1119	-	well	dewatered	@ 8.0 gal	-	
1345	76.3	7.25	709	10	grab	clear/odor

Did well dewater? (Yes) No Gallons actually evacuated: 8.0

Sampling Date: 03/17/16 Sampling Time: 1345 Depth to Water: 24.59

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CK1	Site: 97565995
Sampler: VL	Date: 03/17/16
Well I.D.: MW-2RB	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 68.16	Depth to Water (DTW): 26.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.86	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other____

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

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

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1309	72.4	6.94	702	71000	7.0	brown, silty
1312	71.9	6.72	723	71000	14.0	↓
1315	71.3	6.75	728	71000	21.0	↓

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

Sampling Date: 03/17/16 Sampling Time: 1325 Depth to Water: 28.88

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CK1	Site: 97565995
Sampler: VL	Date: 03/17/16
Well I.D.: MW-2RC	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 106.14	Depth to Water (DTW): 31.33
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]: 46.29	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other____

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

12.0 (Gals.) X 3 = 36.0 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/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1214	70.1	7.11	1069	41	12.0	clear
1216	- well	dewatered	@ 15.0	gal	-	
1515	76.9	7.14	1054	204	grab	cloudy
		*Waited for 2 hr			recharge	*

Did well dewater? (Yes) No Gallons actually evacuated: 15.0

Sampling Date: 03/17/16 Sampling Time: 1515 Depth to Water: 78.60

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CK1	Site: 97565995
Sampler: VL	Date: 3/17/16
Well I.D.: MW-3R	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.66	Depth to Water (DTW): 21.23
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]: 23.92	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ____

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

8.7 (Gals.) X 3 = 26.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1155	69.8	6.81	681	81	9.0	clear
1158	70.4	6.65	654	36	18.0	clear
1159	— well	dewatered	@ 20.0	gal	—	
1425	73.0	7.24	646	13	grab	clear

Did well dewater? (Yes) No Gallons actually evacuated: 20.0

Sampling Date: 03/17/16 Sampling Time: 1425 Depth to Water: 21.22

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CW1	Site: 8999 San Ramon, Dublin
Sampler: CW	Date: 3/17/16
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.39	Depth to Water (DTW): 25.96
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.44	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other________

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ________

1.6 (Gals.) X 3 = 4.8 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
0935	69.7	7.02	760	15	1.6	
	DEWATERED	@ 3.0			3.0	
1330	72.3	7.45	781	104	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 3.0

Sampling Date: 3/17/16 — Sampling Time: 1330 — Depth to Water: 26.00

Sample I.D.: MW-5 — Laboratory: Test America

Analyzed for: TPH-G BTEX MTBE TPH-D ~~Other:~~ SFE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-EK1	Site: 9999 Sierra Ranch, DUBLIN
Sampler: CK	Date: 3/17/16
Well I.D.: MW-5B	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 46.60	Depth to Water (DTW): 27.44
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.27	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other

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

1 Case Volume	Specified Volumes	Calculated Volume
25.5 (Gals.) X	3	= 76.5 Gals.

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
0915	69.6	7.31	954	3	25.5	CLEAR
0920	68.8	7.29	949	2	51.0	↓
0925	68.7	7.27	947	2	76.5	↓ NO ODOR

Did well dewater? Yes (No) Gallons actually evacuated: 76.5

Sampling Date: 3/17/16 Sampling Time: 1320 Depth to Water: 27.44

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 16031 7 - CK1	Site: 8999 SAN RAMON, DUBLIN
Sampler: CK	Date: 3/17/11
Well I.D.: MW-5C	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 98.25	Depth to Water (DTW): 37.39
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (TOC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 45.56	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ___

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

1 Case Volume		Specified Volumes		Calculated Volume	
42.8	(Gals.) X	3	=	128.4	Gals.

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

Time	Temp (°F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
1150	68.0	7.20	1216	48	43.0	
	Dewatered	@	75.0	gal —	75.0	
1450	69.5	7.27	1187	19	—	

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

Sampling Date: 3/17/11 Sampling Time: 1450 Depth to Water: 34.11

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

Analyzed for: TPH-G BTEX MTBE TPH-D (Other): 5&6 cox

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CK1	Site: 97565995
Sampler: VL	Date: 03/17/16
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 28.74	Depth to Water (DTW): 22.86
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]: 24.03	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

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

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1242	72.2	7.01	794	31	4.0	clear
1244	- Well dewatered @ 7.5 gal				—	
1455	72.0	7.07	740	19	grab	clear

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

Sampling Date: 03/17/16 Sampling Time: 1455 Depth to Water: 23.89

Sample I.D.: MW-8 Laboratory: Test America

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CK1	Site: 97565995
Sampler: VL	Date: 03/17/16
Well I.D.: MW-8B	Well Diameter: 2 (3) (4) 6 8
Total Well Depth (TD): 68.40	Depth to Water (DTW): 25.56
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.83	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other

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

27.8 (Gals.) X 3 = 83.4 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/cm or (uS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
1003	67.3	6.38	684	4	28.0	clear
1010	66.0	6.53	681	74	56.0	1
1012	- well	dewatered	@ 66.0	gal -		
1255	68.1	6.44	675	51	grab	clear

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

Sampling Date: 03/17/16 Sampling Time: 1255 Depth to Water: 25.61

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CK1	Site: 97565995
Sampler: VL	Date: 03/17/16
Well I.D.: MW-11B	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 38.30	Depth to Water (DTW): 30.87
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.36	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ____

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

4.8 (Gals.) X 3 = 14.4 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/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
1131	68.5	6.84	561	12	5.0	clear
1133	68.8	6.62	567	10	10.0	clear
1135	68.3	6.59	575	12	15.0	clear

Did well dewater? Yes (No) Gallons actually evacuated: 15.0

Sampling Date: 03/17/16 Sampling Time: 1145 Depth to Water: 32.26

Sample I.D.: MW-11B Laboratory: Test America

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-GK1	Site: 97565995
Sampler: VL	Date: 03/17/16
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 38.80	Depth to Water (DTW): 30.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.03	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

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

5.5 (Gals.) X 3 = 16.5 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/cm or (µS/cm))	Turbidity (NTUs)	Gals. Removed	Observations
1034	66.2	6.36	623	289	5.5	cloudy
1037	67.6	6.24	628	>1000	11.0	brown, silty
1040	67.9	6.30	633	>1000	16.5	1

Did well dewater? Yes (No) Gallons actually evacuated: 16.5

Sampling Date: 03/17/16 Sampling Time: 1045 Depth to Water: 31.18

Sample I.D.: MW-12 Laboratory: Test America

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-QM	Site: 8999 SAN RAMON, DUBLIN
Sampler: CW	Date: 3/17/16
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 44.70	Depth to Water (DTW): 30.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.60	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other

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

1 Case Volume	Specified Volumes	Calculated Volume
2.2 (Gals.) X	3 =	6.6 Gals.

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1040	68.3	7.06	884	>1000	2.2	
1042	68.6	7.01	882	>1000	4.4	
1044	68.7	7.00	881	>1000	6.6	

Did well dewater? Yes (No) Gallons actually evacuated: 6.6

Sampling Date: 3/17/16 Sampling Time: 1400 Depth to Water: 30.82

Sample I.D.: MW-13 Laboratory: Test America

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SVOC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CU	Site: 9999 SAN RAMON, DUBLIN
Sampler: CU	Date: 3/17/16
Well I.D.: MW-13B	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 69.33	Depth to Water (DTW): 29.38
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]: 35.57	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ____

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

6.4 (Gals.) X 3 = 19.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1052	67.2	7.60	402	833	6.5	
1054	67.4	7.36	804	7100	13.0	
1056	67.7	7.34	810	685	19.5	

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

Sampling Date: 3/17/16 Sampling Time: 1410 Depth to Water: 29.00

Sample I.D.: MW-13B Laboratory: Test America

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

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-CM1	Site: 8499 Sth Ramon, Dublin
Sampler: CW	Date: 3/17/16
Well I.D.: MW-13C	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 95.27	Depth to Water (DTW): 31.16
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: ~~PVC~~ Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 43.98	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ___

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

10.3 (Gals.) X	3 =	30.9 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1130	67.7	7.24	932	50	10.5	
1133	67.9	7.18	1160	>1000	21.0	
	DEWATERED	@ 28.0	—		28.0	
1430	70.1	7.30	1020	38	—	

Did well dewater? (Yes) No Gallons actually evacuated: 28.0

Sampling Date: 3/17/16 Sampling Time: 1430 Depth to Water: 32.95

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

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: CL CA)

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160317-cla	Site: 0999 San Ramon, Dublin
Sampler: ck	Date: 3/17/16
Well I.D.: MW-14B	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 68.00	Depth to Water (DTW): 24.28
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]: 33.02

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other______

Sampling Method: (Bailer), Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ______

7.0 (Gals.) X 3 = 21.0 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1023	68.0	7.28	682	348	7.0	
1025	68.1	7.22	718	260	14.0	
1027	68.1	7.19	720	130	21.0	

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

Sampling Date: 3/17/16 Sampling Time: 1350 Depth to Water: 25.10

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

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

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 160377-CH1	Site: 6999 SAN RAMON, DUBLIN
Sampler: CH	Date: 3/17/16
Well I.D.: MW-14C	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 100.18	Depth to Water (DTW): 31.61
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]: 45.32	

Purge Method: (Bailer) / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

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

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

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

Time	Temp (°F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	Gals. Removed	Observations
1000	67.5	7.15	1188	123	11.0	
1006	67.5	7.11	1185	125	22.0	
1012	67.5	7.09	1189	71	33.0	DTW 80%

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

Sampling Date: 3/17/16 Sampling Time: 1340 Depth to Water: 32.10

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

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

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

Shell Oil Products US Chain Of Custody Record

AECOM

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

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

Print Bill To Contact Name: Christine Pilachowski
PO #:
PlaNet Site or Project ID: 33028
GSAP Project ID: USPC/00258,USRT/00572
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 3/17/16
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: christine.pilachowski@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): Casey Huff, AECOM, Oakland, CA
PHONE NO: 510-893-3600
E-MAIL: casey.huff@aecom.com
AECOM Other ID: 10007871
SAMPLER NAME(S) (Print): Corey Kirkpatrick / Vince Langdon
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)	Container PID Readings or Laboratory Notes
	MW-1R	3/17/16	1420	WG	X			X		5	X	X	X	X		
	MW-2R	3/17/16	1345	WG	X			X		5	X	X	X	X		
	MW-2RB	3/17/16	1325	WG	X			X		5	X	X	X	X		
	MW-2RC	3/17/16	1515	WG	X			X		9	X	X	X	X	X	
	MW-3R	3/17/16	1425	WG	X			X		5	X	X	X	X		
	MW-5	3/17/16	1330	WG	X			X		5	X	X	X	X		
	MW-5B	3/17/16	1320	WG	X			X		5	X	X	X	X		
	MW-5C	3/17/16	1450	WG	X			X		5	X	X	X	X		
	MW-8	3/17/16	1455	WG	X			X		5	X	X	X	X		
	MW-8B	3/17/16	1255	WG	X			X		5	X	X	X	X		

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	(S.C.)	3/17/16	1650
		3/18/16	1230

Version: 14Dec15

Shell Oil Products US Chain Of Custody Record

AECOM

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

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

Print Bill To Contact Name: Christine Pilachowski
PO #:
PlaNet Site or Project ID: 33028
GSAP Project ID: USPC/00258,USRT/00572
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 3/17/16
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: christine.pilachowski@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): Casey Huff, AECOM, Oakland, CA
PHONE NO: 510-893-3600
E-MAIL: casey.huff@aecom.com
AECOM Other ID: 10007871
SAMPLER NAME(S) (Print): Corey Ryan Hall / Vince Landino
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

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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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☐ 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)	Container PID Readings or Laboratory Notes
	MW-11B	3/17/16	1145	W6	X			X		5	X	X	X	X		
	MW-12	3/17/16	1045	W6	X			X		5	X	X	X	X		
	MW-13B	3/17/16	1410	W6	X			X		5	X	X	X	X		
	MW-13	3/17/16	1400	W6	X			X		5	X	X	X	X		
	MW-13C	3/17/16	1430	W6	X			X		9	X	X	X	X	X	
	MW-14B	3/17/16	1350	W6	X			X		5	X	X	X	X		
	MW-14C	3/17/16	1340	W6	X			X		9	X	X	X	X	X	

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) (S.C)	Date: 3/17/16	Time: 1650
Relinquished by: (Signature)	Received by: (Signature)	Date: 3/18/16	Time: 1230
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Version: 14Dec15

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 97565995

ADDRESS 3999 SAN RAMON RD.

DATE: 3/17/16

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		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		Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	-1/2 BOLTS 1/2 TABS STRIPPED	Y	N	
MW-8B	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-11B	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
TOTAL # CAPS REPLACED =										= 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		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

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

G = Good (Acceptable) R = Replaced

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

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

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

Version 2.4, March 2008

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

Corren Kilpatrick / BTS

Print or type Name of Field Personnel & Consultant Company

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT # 97565995

ADDRESS 6949 SAN RAMON RD.

DATE: 3/17/16

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	Y	N	
MW-13	Standpipe	Flush	G	P	Size (inch) 10	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-13B	Standpipe	Flush	G	P	Size (inch) 10	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-13C	Standpipe	Flush	G	P	Size (inch) 10	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-14B	Standpipe	Flush	G	P	Size (inch) 10	Y	N	G	R	G	R	NL	G	P		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 = ____ ____ ____ = 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		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

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

G = Good (Acceptable) R = Replaced

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

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

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

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

Print or type Name of Field Personnel & Consultant Company

NO. 721728

NON-HAZARDOUS WASTE DATA FORM

BESI #

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 300 gal

Container type transported to receiving facility:

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

~~☑~~ Other ~~TANK TRUCK~~

Quantity ~~300~~ 1 Volume ~~300 gal~~

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

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

COMPONENTS OF WASTE	PPM	%
3.		
4.		

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

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PERSONAL PROTECTIVE CLOTHING

Generator Printed/Typed Name: Corey Kilpatrick | Signature | Month 3 | Day 17 | Year 16

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: Corey Kilpatrick | Signature | Month 3 | Day 17 | Year 16

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.

NO. 721729

NON-HAZARDOUS WASTE DATA FORM

BESI #

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 172 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: Vince Landi | Signature: Vince Landi | Month 3 Day 17 Year 16

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: Vince Landi | Signature: Vince Landi | Month 3 Day 17 Year 16

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 Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-71012-1
Client Project/Site: Shell - 8999 San Ramon Rd., Dublin

For:
AECOM Technical Services Inc.
1333 Broadway
Suite 800
Oakland, California 94612

Attn: Christine Pilachowski

Linda C. Laver

Authorized for release by:
4/4/2016 4:44:31 PM
Linda C. Laver, Project Manager II
(916)374-4362
linda.laver@testamericainc.com

Designee for

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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
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)

Job ID: 720-71012-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-71012-1

Receipt
The samples were received on 3/18/2016 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 0.9º C, 0.9º C, 1.3º C, 1.4º C, 1.5º C and 2.0º C.

GC/MS VOA
Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 104830.

Method(s) 8260B: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-5C (720-71012-8) and MW-13C (720-71012-15). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1R (720-71012-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 105023.

Method(s) 8260B: Internal standard (ISTD) response for the following sample was outside control limits: MW-2RC (720-71012-4). The sample was re-analyzed with concurring results, and the original set of data has been reported.

Method(s) 8260B/CA_LUFTMS: The Gasoline Range Organics (GRO) concentration reported for the following sample is due to the presence of discrete peaks: MW-2RC (720-71012-4). 2-Ethyl-1-hexanol

Method(s) 8260B/CA_LUFTMS: The following samples were diluted to bring the concentration of 8260B target analytes within the calibration range: MW-5C (720-71012-8) and MW-13C (720-71012-15). Elevated reporting limits (RLs) are provided.

Method(s) 8260B/CA_LUFTMS: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 104829.

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

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

Organic Prep
Method(s) 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 320-104193 for method 8015-aqueous.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 320-104361 for method 8270-aqueous.

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

Detection Summary

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-1R — Lab Sample ID: 720-71012-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TBA - DL	950		100		ug/L	2		8260B	Total/NA
Diesel Range Organics [C10-C28]	100		48		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-2R — Lab Sample ID: 720-71012-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C7-C12	430		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	98		47		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-2RB — Lab Sample ID: 720-71012-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	96		49		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-2RC — Lab Sample ID: 720-71012-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C7-C12	180		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
MTBE	33		2.0		ug/L	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	99		49		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-3R — Lab Sample ID: 720-71012-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	50		50		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-5 — Lab Sample ID: 720-71012-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	69		52		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-5B — Lab Sample ID: 720-71012-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	160		49		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-5C — Lab Sample ID: 720-71012-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
MTBE	210		10		ug/L	5		8260B	Total/NA
Diesel Range Organics [C10-C28]	92		50		ug/L	1		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-8 — Lab Sample ID: 720-71012-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	54		50		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-8B — Lab Sample ID: 720-71012-10

No Detections.

Client Sample ID: MW-11B — Lab Sample ID: 720-71012-11

No Detections.

Client Sample ID: MW-12 — Lab Sample ID: 720-71012-12

No Detections.

Client Sample ID: MW-13B — Lab Sample ID: 720-71012-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
MTBE	26		2.0		ug/L	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	110		49		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-13 — Lab Sample ID: 720-71012-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	260		49		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-13C — Lab Sample ID: 720-71012-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
MTBE	160		4.0		ug/L	2		8260B	Total/NA
Diesel Range Organics [C10-C28]	350		48		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-14B — Lab Sample ID: 720-71012-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	480		50		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-14C — Lab Sample ID: 720-71012-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
MTBE	45		2.0		ug/L	1		8260B	Total/NA
Diesel Range Organics [C10-C28]	740		48		ug/L	1		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-1R
Date Collected: 03/17/16 14:20
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*73 - 115*		*03/30/16 15:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 15:37	1
Toluene	ND		1.0		ug/L			03/30/16 15:37	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 15:37	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 15:37	1
o-Xylene	ND		1.0		ug/L			03/30/16 15:37	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 15:37	1
MTBE	ND		2.0		ug/L			03/30/16 15:37	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 15:37	1
TAME	ND		2.0		ug/L			03/30/16 15:37	1
DIPE	ND		2.0		ug/L			03/30/16 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*03/30/16 15:37*	*1*
4-Bromofluorobenzene (Surr)	*97*		*74 - 120*		*03/30/16 15:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 123*		*03/30/16 15:37*	*1*
Toluene-d8 (Surr)	*93*		*78 - 120*		*03/30/16 15:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TBA	**950**		100		ug/L			03/31/16 21:10	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*03/31/16 21:10*	*2*
4-Bromofluorobenzene (Surr)	*96*		*74 - 120*		*03/31/16 21:10*	*2*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*03/31/16 21:10*	*2*
Toluene-d8 (Surr)	*93*		*78 - 120*		*03/31/16 21:10*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**100**		48		ug/L		03/23/16 12:24	03/29/16 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*103*		*56 - 145*	*03/23/16 12:24*	*03/29/16 05:02*	*1*

Client Sample ID: MW-2R

Date Collected: 03/17/16 13:45
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	430		50		ug/L			03/30/16 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*73 - 115*		*03/30/16 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 16:01	1
Toluene	ND		1.0		ug/L			03/30/16 16:01	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 16:01	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 16:01	1
o-Xylene	ND		1.0		ug/L			03/30/16 16:01	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 16:01	1
MTBE	ND		2.0		ug/L			03/30/16 16:01	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 16:01	1
TAME	ND		2.0		ug/L			03/30/16 16:01	1
TBA	ND		50		ug/L			03/30/16 16:01	1
DIPE	ND		2.0		ug/L			03/30/16 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*03/30/16 16:01*	*1*
4-Bromofluorobenzene (Surr)	*99*		*74 - 120*		*03/30/16 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*03/30/16 16:01*	*1*
Toluene-d8 (Surr)	*93*		*78 - 120*		*03/30/16 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	98		47		ug/L		03/23/16 12:24	03/29/16 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*92*		*56 - 145*	*03/23/16 12:24*	*03/29/16 05:31*	*1*

Client Sample ID: MW-2RB

Date Collected: 03/17/16 13:25
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*73 - 115*		*03/30/16 16:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 16:25	1
Toluene	ND		1.0		ug/L			03/30/16 16:25	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 16:25	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 16:25	1
o-Xylene	ND		1.0		ug/L			03/30/16 16:25	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 16:25	1
MTBE	ND		2.0		ug/L			03/30/16 16:25	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 16:25	1
TAME	ND		2.0		ug/L			03/30/16 16:25	1
TBA	ND		50		ug/L			03/30/16 16:25	1
DIPE	ND		2.0		ug/L			03/30/16 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*03/30/16 16:25*	*1*
4-Bromofluorobenzene (Surr)	*99*		*74 - 120*		*03/30/16 16:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*03/30/16 16:25*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*03/30/16 16:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**96**		49		ug/L		03/23/16 12:24	03/29/16 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*97*		*56 - 145*	*03/23/16 12:24*	*03/29/16 06:00*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-2RC

Date Collected: 03/17/16 15:15
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	180		50		ug/L			03/30/16 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*73 - 115*		*03/30/16 16:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 16:49	1
Toluene	ND		1.0		ug/L			03/30/16 16:49	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 16:49	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 16:49	1
o-Xylene	ND		1.0		ug/L			03/30/16 16:49	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 16:49	1
MTBE	33		2.0		ug/L			03/30/16 16:49	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 16:49	1
TAME	ND		2.0		ug/L			03/30/16 16:49	1
TBA	ND	*	50		ug/L			03/30/16 16:49	1
DIPE	ND		2.0		ug/L			03/30/16 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*80 - 123*		*03/30/16 16:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*74 - 120*		*03/30/16 16:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*72 - 123*		*03/30/16 16:49*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*03/30/16 16:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Acenaphthylene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Anthracene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Benzo[a]anthracene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Benzo[b]fluoranthene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Benzo[k]fluoranthene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Benzo[g,h,i]perylene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Benzo[a]pyrene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Bis(2-chloroethoxy)methane	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Bis(2-chloroethyl)ether	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
bis (2-chloroisopropyl) ether	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Bis(2-ethylhexyl) phthalate	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
4-Bromophenyl phenyl ether	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Butyl benzyl phthalate	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
4-Chloroaniline	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
4-Chloro-3-methylphenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2-Chloronaphthalene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2-Chlorophenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
4-Chlorophenyl phenyl ether	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Chrysene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Dibenz(a,h)anthracene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Dibenzofuran	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-2RC
Date Collected: 03/17/16 15:15
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
1,2-Dichlorobenzene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
1,3-Dichlorobenzene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
1,4-Dichlorobenzene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
3,3'-Dichlorobenzidine	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
2,4-Dichlorophenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Diethyl phthalate	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2,4-Dimethylphenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Dimethyl phthalate	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
4,6-Dinitro-2-methylphenol	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
2,4-Dinitrophenol	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
2,4-Dinitrotoluene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2,6-Dinitrotoluene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Di-n-octyl phthalate	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Fluoranthene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Fluorene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Hexachlorobenzene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Hexachlorobutadiene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Hexachlorocyclopentadiene	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
Hexachloroethane	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Indeno[1,2,3-cd]pyrene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Isophorone	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2-Methylnaphthalene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2-Methylphenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
3-Methylphenol & 4-Methylphenol	ND		20		ug/L		03/24/16 15:44	03/31/16 14:18	1
Naphthalene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2-Nitroaniline	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
3-Nitroaniline	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
4-Nitroaniline	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
Nitrobenzene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2-Nitrophenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
4-Nitrophenol	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
N-Nitrosodiphenylamine	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
N-Nitrosodi-n-propylamine	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Pentachlorophenol	ND		50		ug/L		03/24/16 15:44	03/31/16 14:18	1
Phenanthrene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Phenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
Pyrene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
1,2,4-Trichlorobenzene	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2,4,5-Trichlorophenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1
2,4,6-Trichlorophenol	ND		9.9		ug/L		03/24/16 15:44	03/31/16 14:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*47*	*T*	*ug/L*		*2.22*		*03/24/16 15:44*	*03/31/16 14:18*	*1*
Unknown	*7.4*	*T*	*ug/L*		*5.67*		*03/24/16 15:44*	*03/31/16 14:18*	*1*
Benzenamine, N,N-dimethyl-4-nitro-	*12*	*T*	*ug/L*		*9.01*	*100-23-2*	*03/24/16 15:44*	*03/31/16 14:18*	*1*
n-Hexadecanoic acid	*5.0*	*T*	*ug/L*		*9.73*	*57-10-3*	*03/24/16 15:44*	*03/31/16 14:18*	*1*
Unknown	*13*	*T*	*ug/L*		*11.11*		*03/24/16 15:44*	*03/31/16 14:18*	*1*
Unknown	*260*	*T*	*ug/L*		*12.19*		*03/24/16 15:44*	*03/31/16 14:18*	*1*
Unknown	*6.3*	*T*	*ug/L*		*12.84*		*03/24/16 15:44*	*03/31/16 14:18*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-2RC
Date Collected: 03/17/16 15:15
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-4
Matrix: Water

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	360	T	ug/L		13.63		03/24/16 15:44	03/31/16 14:18	1
Unknown	7.3	T	ug/L		15.51		03/24/16 15:44	03/31/16 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		28 - 132	03/24/16 15:44	03/31/16 14:18	1
2-Fluorobiphenyl (Surr)	79		49 - 98	03/24/16 15:44	03/31/16 14:18	1
2-Fluorophenol (Surr)	43		24 - 68	03/24/16 15:44	03/31/16 14:18	1
Nitrobenzene-d5 (Surr)	66		53 - 102	03/24/16 15:44	03/31/16 14:18	1
Phenol-d5 (Surr)	37		10 - 50	03/24/16 15:44	03/31/16 14:18	1
Terphenyl-d14 (Surr)	96		76 - 121	03/24/16 15:44	03/31/16 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	99		49		ug/L		03/23/16 12:24	03/29/16 06:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	93		56 - 145	03/23/16 12:24	03/29/16 06:29	1

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-3R
Date Collected: 03/17/16 14:25
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*73 - 115*		*03/30/16 17:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 17:13	1
Toluene	ND		1.0		ug/L			03/30/16 17:13	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 17:13	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 17:13	1
o-Xylene	ND		1.0		ug/L			03/30/16 17:13	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 17:13	1
MTBE	ND		2.0		ug/L			03/30/16 17:13	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 17:13	1
TAME	ND		2.0		ug/L			03/30/16 17:13	1
TBA	ND		50		ug/L			03/30/16 17:13	1
DIPE	ND		2.0		ug/L			03/30/16 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*03/30/16 17:13*	*1*
4-Bromofluorobenzene (Surr)	*93*		*74 - 120*		*03/30/16 17:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*03/30/16 17:13*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*03/30/16 17:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**50**		50		ug/L		03/23/16 12:24	03/29/16 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*92*		*56 - 145*	*03/23/16 12:24*	*03/29/16 06:57*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-5

Date Collected: 03/17/16 13:30
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*73 - 115*		*03/30/16 17:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 17:37	1
Toluene	ND		1.0		ug/L			03/30/16 17:37	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 17:37	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 17:37	1
o-Xylene	ND		1.0		ug/L			03/30/16 17:37	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 17:37	1
MTBE	ND		2.0		ug/L			03/30/16 17:37	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 17:37	1
TAME	ND		2.0		ug/L			03/30/16 17:37	1
TBA	ND		50		ug/L			03/30/16 17:37	1
DIPE	ND		2.0		ug/L			03/30/16 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*03/30/16 17:37*	*1*
4-Bromofluorobenzene (Surr)	*94*		*74 - 120*		*03/30/16 17:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*03/30/16 17:37*	*1*
Toluene-d8 (Surr)	*89*		*78 - 120*		*03/30/16 17:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**69**		52		ug/L		03/23/16 12:24	03/29/16 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*91*		*56 - 145*	*03/23/16 12:24*	*03/29/16 07:26*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-5B

Date Collected: 03/17/16 13:20
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*73 - 115*		*03/30/16 18:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 18:01	1
Toluene	ND		1.0		ug/L			03/30/16 18:01	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 18:01	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 18:01	1
o-Xylene	ND		1.0		ug/L			03/30/16 18:01	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 18:01	1
MTBE	ND		2.0		ug/L			03/30/16 18:01	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 18:01	1
TAME	ND		2.0		ug/L			03/30/16 18:01	1
TBA	ND		50		ug/L			03/30/16 18:01	1
DIPE	ND		2.0		ug/L			03/30/16 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*03/30/16 18:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 120*		*03/30/16 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*03/30/16 18:01*	*1*
Toluene-d8 (Surr)	*93*		*78 - 120*		*03/30/16 18:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**160**		49		ug/L		03/23/16 12:24	03/29/16 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*102*		*56 - 145*	*03/23/16 12:24*	*03/29/16 07:55*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-5C
Date Collected: 03/17/16 14:50
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		250		ug/L			03/30/16 18:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*73 - 115*		*03/30/16 18:25*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/L			03/30/16 18:25	5
Toluene	ND		5.0		ug/L			03/30/16 18:25	5
Ethylbenzene	ND		5.0		ug/L			03/30/16 18:25	5
m-Xylene & p-Xylene	ND		5.0		ug/L			03/30/16 18:25	5
o-Xylene	ND		5.0		ug/L			03/30/16 18:25	5
Xylenes, Total	ND		5.0		ug/L			03/30/16 18:25	5
MTBE	**210**		10		ug/L			03/30/16 18:25	5
Ethyl-t-butyl ether (ETBE)	ND		10		ug/L			03/30/16 18:25	5
TAME	ND		10		ug/L			03/30/16 18:25	5
TBA	ND		250		ug/L			03/30/16 18:25	5
DIPE	ND		10		ug/L			03/30/16 18:25	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*03/30/16 18:25*	*5*
4-Bromofluorobenzene (Surr)	*95*		*74 - 120*		*03/30/16 18:25*	*5*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 123*		*03/30/16 18:25*	*5*
Toluene-d8 (Surr)	*92*		*78 - 120*		*03/30/16 18:25*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**92**		50		ug/L		03/23/16 12:24	03/29/16 08:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*91*		*56 - 145*	*03/23/16 12:24*	*03/29/16 08:24*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-8

Date Collected: 03/17/16 14:55
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*73 - 115*		*03/30/16 18:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 18:49	1
Toluene	ND		1.0		ug/L			03/30/16 18:49	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 18:49	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 18:49	1
o-Xylene	ND		1.0		ug/L			03/30/16 18:49	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 18:49	1
MTBE	ND		2.0		ug/L			03/30/16 18:49	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 18:49	1
TAME	ND		2.0		ug/L			03/30/16 18:49	1
TBA	ND		50		ug/L			03/30/16 18:49	1
DIPE	ND		2.0		ug/L			03/30/16 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*03/30/16 18:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*74 - 120*		*03/30/16 18:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 123*		*03/30/16 18:49*	*1*
Toluene-d8 (Surr)	*96*		*78 - 120*		*03/30/16 18:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**54**		50		ug/L		03/23/16 12:24	03/29/16 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*83*		*56 - 145*	*03/23/16 12:24*	*03/29/16 08:53*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-8B
Date Collected: 03/17/16 12:55
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*73 - 115*		*03/30/16 19:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 19:13	1
Toluene	ND		1.0		ug/L			03/30/16 19:13	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 19:13	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 19:13	1
o-Xylene	ND		1.0		ug/L			03/30/16 19:13	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 19:13	1
MTBE	ND		2.0		ug/L			03/30/16 19:13	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 19:13	1
TAME	ND		2.0		ug/L			03/30/16 19:13	1
TBA	ND		50		ug/L			03/30/16 19:13	1
DIPE	ND		2.0		ug/L			03/30/16 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*03/30/16 19:13*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 120*		*03/30/16 19:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*03/30/16 19:13*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*03/30/16 19:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48		ug/L		03/23/16 12:24	03/29/16 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*93*		*56 - 145*	*03/23/16 12:24*	*03/29/16 09:22*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-11B

Date Collected: 03/17/16 11:45
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*73 - 115*		*03/30/16 20:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 20:24	1
Toluene	ND		1.0		ug/L			03/30/16 20:24	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 20:24	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 20:24	1
o-Xylene	ND		1.0		ug/L			03/30/16 20:24	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 20:24	1
MTBE	ND		2.0		ug/L			03/30/16 20:24	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 20:24	1
TAME	ND		2.0		ug/L			03/30/16 20:24	1
TBA	ND		50		ug/L			03/30/16 20:24	1
DIPE	ND		2.0		ug/L			03/30/16 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*03/30/16 20:24*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 120*		*03/30/16 20:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 123*		*03/30/16 20:24*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*03/30/16 20:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		49		ug/L		03/23/16 12:24	03/29/16 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*94*		*56 - 145*	*03/23/16 12:24*	*03/29/16 19:41*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-12
Date Collected: 03/17/16 10:45
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*73 - 115*		*03/30/16 20:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 20:47	1
Toluene	ND		1.0		ug/L			03/30/16 20:47	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 20:47	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 20:47	1
o-Xylene	ND		1.0		ug/L			03/30/16 20:47	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 20:47	1
MTBE	ND		2.0		ug/L			03/30/16 20:47	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 20:47	1
TAME	ND		2.0		ug/L			03/30/16 20:47	1
TBA	ND		50		ug/L			03/30/16 20:47	1
DIPE	ND		2.0		ug/L			03/30/16 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*03/30/16 20:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*74 - 120*		*03/30/16 20:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 123*		*03/30/16 20:47*	*1*
Toluene-d8 (Surr)	*93*		*78 - 120*		*03/30/16 20:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		49		ug/L		03/23/16 12:24	03/29/16 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*81*		*56 - 145*	*03/23/16 12:24*	*03/29/16 20:10*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-13B

Date Collected: 03/17/16 14:10
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*73 - 115*		*03/30/16 21:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 21:11	1
Toluene	ND		1.0		ug/L			03/30/16 21:11	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 21:11	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 21:11	1
o-Xylene	ND		1.0		ug/L			03/30/16 21:11	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 21:11	1
MTBE	**26**		2.0		ug/L			03/30/16 21:11	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 21:11	1
TAME	ND		2.0		ug/L			03/30/16 21:11	1
TBA	ND		50		ug/L			03/30/16 21:11	1
DIPE	ND		2.0		ug/L			03/30/16 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*80 - 123*		*03/30/16 21:11*	*1*
4-Bromofluorobenzene (Surr)	*95*		*74 - 120*		*03/30/16 21:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*03/30/16 21:11*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*03/30/16 21:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		49		ug/L		03/23/16 12:24	03/29/16 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*87*		*56 - 145*	*03/23/16 12:24*	*03/29/16 20:39*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-13
Date Collected: 03/17/16 14:00
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*73 - 115*		*03/30/16 21:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 21:36	1
Toluene	ND		1.0		ug/L			03/30/16 21:36	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 21:36	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 21:36	1
o-Xylene	ND		1.0		ug/L			03/30/16 21:36	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 21:36	1
MTBE	ND		2.0		ug/L			03/30/16 21:36	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 21:36	1
TAME	ND		2.0		ug/L			03/30/16 21:36	1
TBA	ND		50		ug/L			03/30/16 21:36	1
DIPE	ND		2.0		ug/L			03/30/16 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*03/30/16 21:36*	*1*
4-Bromofluorobenzene (Surr)	*97*		*74 - 120*		*03/30/16 21:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 123*		*03/30/16 21:36*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*03/30/16 21:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**260**		49		ug/L		03/23/16 12:24	03/29/16 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*70*		*56 - 145*	*03/23/16 12:24*	*03/29/16 21:08*	*1*

Client Sample ID: MW-13C
Date Collected: 03/17/16 14:30
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		100		ug/L			03/30/16 21:59	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*73 - 115*		*03/30/16 21:59*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			03/30/16 21:59	2
Toluene	ND		2.0		ug/L			03/30/16 21:59	2
Ethylbenzene	ND		2.0		ug/L			03/30/16 21:59	2
m-Xylene & p-Xylene	ND		2.0		ug/L			03/30/16 21:59	2
o-Xylene	ND		2.0		ug/L			03/30/16 21:59	2
Xylenes, Total	ND		2.0		ug/L			03/30/16 21:59	2
MTBE	**160**		4.0		ug/L			03/30/16 21:59	2
Ethyl-t-butyl ether (ETBE)	ND		4.0		ug/L			03/30/16 21:59	2
TAME	ND		4.0		ug/L			03/30/16 21:59	2
TBA	ND		100		ug/L			03/30/16 21:59	2
DIPE	ND		4.0		ug/L			03/30/16 21:59	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*03/30/16 21:59*	*2*
4-Bromofluorobenzene (Surr)	*94*		*74 - 120*		*03/30/16 21:59*	*2*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*		*03/30/16 21:59*	*2*
Toluene-d8 (Surr)	*91*		*78 - 120*		*03/30/16 21:59*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Acenaphthylene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Anthracene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Benzo[a]anthracene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Benzo[b]fluoranthene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Benzo[k]fluoranthene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Benzo[g,h,i]perylene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Benzo[a]pyrene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Bis(2-chloroethoxy)methane	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Bis(2-chloroethyl)ether	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
bis (2-chloroisopropyl) ether	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Bis(2-ethylhexyl) phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
4-Bromophenyl phenyl ether	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Butyl benzyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
4-Chloroaniline	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
4-Chloro-3-methylphenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2-Chloronaphthalene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2-Chlorophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
4-Chlorophenyl phenyl ether	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Chrysene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Dibenz(a,h)anthracene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Dibenzofuran	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-13C
Date Collected: 03/17/16 14:30
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
1,2-Dichlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
1,3-Dichlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
1,4-Dichlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
3,3'-Dichlorobenzidine	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
2,4-Dichlorophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Diethyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2,4-Dimethylphenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Dimethyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
4,6-Dinitro-2-methylphenol	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
2,4-Dinitrophenol	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
2,4-Dinitrotoluene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2,6-Dinitrotoluene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Di-n-octyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Fluoranthene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Fluorene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Hexachlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Hexachlorobutadiene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Hexachlorocyclopentadiene	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
Hexachloroethane	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Isophorone	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2-Methylnaphthalene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2-Methylphenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
3-Methylphenol & 4-Methylphenol	ND		20		ug/L		03/24/16 15:44	03/31/16 14:46	1
Naphthalene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2-Nitroaniline	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
3-Nitroaniline	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
4-Nitroaniline	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
Nitrobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2-Nitrophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
4-Nitrophenol	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
N-Nitrosodiphenylamine	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
N-Nitrosodi-n-propylamine	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Pentachlorophenol	ND		51		ug/L		03/24/16 15:44	03/31/16 14:46	1
Phenanthrene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Phenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
Pyrene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
1,2,4-Trichlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2,4,5-Trichlorophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1
2,4,6-Trichlorophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 14:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*55*	*T*	*ug/L*		*2.22*		*03/24/16 15:44*	*03/31/16 14:46*	*1*
Unknown	*100*	*T*	*ug/L*		*12.18*		*03/24/16 15:44*	*03/31/16 14:46*	*1*
Unknown	*110*	*T*	*ug/L*		*13.61*		*03/24/16 15:44*	*03/31/16 14:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*28 - 132*	*03/24/16 15:44*	*03/31/16 14:46*	*1*
2-Fluorobiphenyl (Surr)	*78*		*49 - 98*	*03/24/16 15:44*	*03/31/16 14:46*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-13C
Date Collected: 03/17/16 14:30
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-15
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*45*		*24 - 68*	*03/24/16 15:44*	*03/31/16 14:46*	*1*
Nitrobenzene-d5 (Surr)	*69*		*53 - 102*	*03/24/16 15:44*	*03/31/16 14:46*	*1*
Phenol-d5 (Surr)	*34*		*10 - 50*	*03/24/16 15:44*	*03/31/16 14:46*	*1*
Terphenyl-d14 (Surr)	*87*		*76 - 121*	*03/24/16 15:44*	*03/31/16 14:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**350**		48		ug/L		03/23/16 12:24	03/29/16 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*67*		*56 - 145*	*03/23/16 12:24*	*03/29/16 21:37*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-14B

Date Collected: 03/17/16 13:50
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*73 - 115*		*03/30/16 22:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 22:23	1
Toluene	ND		1.0		ug/L			03/30/16 22:23	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 22:23	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 22:23	1
o-Xylene	ND		1.0		ug/L			03/30/16 22:23	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 22:23	1
MTBE	ND		2.0		ug/L			03/30/16 22:23	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 22:23	1
TAME	ND		2.0		ug/L			03/30/16 22:23	1
TBA	ND		50		ug/L			03/30/16 22:23	1
DIPE	ND		2.0		ug/L			03/30/16 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 123*		*03/30/16 22:23*	*1*
4-Bromofluorobenzene (Surr)	*94*		*74 - 120*		*03/30/16 22:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 123*		*03/30/16 22:23*	*1*
Toluene-d8 (Surr)	*90*		*78 - 120*		*03/30/16 22:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**480**		50		ug/L		03/23/16 12:24	03/29/16 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*83*		*56 - 145*	*03/23/16 12:24*	*03/29/16 22:06*	*1*

Client Sample ID: MW-14C

Date Collected: 03/17/16 13:40
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*73 - 115*		*03/30/16 22:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 22:47	1
Toluene	ND		1.0		ug/L			03/30/16 22:47	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 22:47	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 22:47	1
o-Xylene	ND		1.0		ug/L			03/30/16 22:47	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 22:47	1
MTBE	**45**		2.0		ug/L			03/30/16 22:47	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 22:47	1
TAME	ND		2.0		ug/L			03/30/16 22:47	1
TBA	ND		50		ug/L			03/30/16 22:47	1
DIPE	ND		2.0		ug/L			03/30/16 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*80 - 123*		*03/30/16 22:47*	*1*
4-Bromofluorobenzene (Surr)	*98*		*74 - 120*		*03/30/16 22:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 123*		*03/30/16 22:47*	*1*
Toluene-d8 (Surr)	*92*		*78 - 120*		*03/30/16 22:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Acenaphthylene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Anthracene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Benzo[a]anthracene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Benzo[b]fluoranthene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Benzo[k]fluoranthene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Benzo[g,h,i]perylene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Benzo[a]pyrene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Bis(2-chloroethoxy)methane	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Bis(2-chloroethyl)ether	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
bis (2-chloroisopropyl) ether	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Bis(2-ethylhexyl) phthalate	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
4-Bromophenyl phenyl ether	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Butyl benzyl phthalate	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
4-Chloroaniline	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
4-Chloro-3-methylphenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2-Chloronaphthalene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2-Chlorophenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
4-Chlorophenyl phenyl ether	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Chrysene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Dibenz(a,h)anthracene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Dibenzofuran	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-14C
Date Collected: 03/17/16 13:40
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
1,2-Dichlorobenzene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
1,3-Dichlorobenzene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
1,4-Dichlorobenzene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
3,3'-Dichlorobenzidine	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
2,4-Dichlorophenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Diethyl phthalate	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2,4-Dimethylphenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Dimethyl phthalate	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
4,6-Dinitro-2-methylphenol	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
2,4-Dinitrophenol	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
2,4-Dinitrotoluene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2,6-Dinitrotoluene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Di-n-octyl phthalate	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Fluoranthene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Fluorene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Hexachlorobenzene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Hexachlorobutadiene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Hexachlorocyclopentadiene	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
Hexachloroethane	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Indeno[1,2,3-cd]pyrene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Isophorone	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2-Methylnaphthalene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2-Methylphenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
3-Methylphenol & 4-Methylphenol	ND		19		ug/L		03/24/16 15:44	03/31/16 15:15	1
Naphthalene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2-Nitroaniline	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
3-Nitroaniline	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
4-Nitroaniline	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
Nitrobenzene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2-Nitrophenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
4-Nitrophenol	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
N-Nitrosodiphenylamine	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
N-Nitrosodi-n-propylamine	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Pentachlorophenol	ND		48		ug/L		03/24/16 15:44	03/31/16 15:15	1
Phenanthrene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Phenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
Pyrene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
1,2,4-Trichlorobenzene	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2,4,5-Trichlorophenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1
2,4,6-Trichlorophenol	ND		9.6		ug/L		03/24/16 15:44	03/31/16 15:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*45*	*T*	*ug/L*		*2.22*		*03/24/16 15:44*	*03/31/16 15:15*	*1*
Unknown	*9.7*	*T*	*ug/L*		*5.67*		*03/24/16 15:44*	*03/31/16 15:15*	*1*
n-Hexadecanoic acid	*12*	*T*	*ug/L*		*9.74*	*57-10-3*	*03/24/16 15:44*	*03/31/16 15:15*	*1*
Unknown	*4.6*	*T*	*ug/L*		*10.29*		*03/24/16 15:44*	*03/31/16 15:15*	*1*
Octadecanoic acid	*6.1*	*T*	*ug/L*		*10.52*	*57-11-4*	*03/24/16 15:44*	*03/31/16 15:15*	*1*
Unknown	*19*	*T*	*ug/L*		*11.11*		*03/24/16 15:44*	*03/31/16 15:15*	*1*
Unknown	*360*	*T*	*ug/L*		*12.20*		*03/24/16 15:44*	*03/31/16 15:15*	*1*

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-14C
Date Collected: 03/17/16 13:40
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-17
Matrix: Water

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	9.8	T	ug/L		12.84		03/24/16 15:44	03/31/16 15:15	1
Unknown	510	T	ug/L		13.64		03/24/16 15:44	03/31/16 15:15	1
Unknown	4.5	T	ug/L		15.50		03/24/16 15:44	03/31/16 15:15	1
Unknown	6.5	T	ug/L		18.14		03/24/16 15:44	03/31/16 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		28 - 132	03/24/16 15:44	03/31/16 15:15	1
2-Fluorobiphenyl (Surr)	81		49 - 98	03/24/16 15:44	03/31/16 15:15	1
2-Fluorophenol (Surr)	41		24 - 68	03/24/16 15:44	03/31/16 15:15	1
Nitrobenzene-d5 (Surr)	66		53 - 102	03/24/16 15:44	03/31/16 15:15	1
Phenol-d5 (Surr)	30		10 - 50	03/24/16 15:44	03/31/16 15:15	1
Terphenyl-d14 (Surr)	96		76 - 121	03/24/16 15:44	03/31/16 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	740		48		ug/L		03/23/16 12:24	03/29/16 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	94		56 - 145	03/23/16 12:24	03/29/16 22:34	1

Surrogate Summary

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

TestAmerica Job ID: 720-71012-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DBFM (80-123)	BFB (74-120)	12DCE (72-123)	TOL (78-120)
720-71012-1	MW-1R	98	97	103	93
720-71012-1 - DL	MW-1R	96	96	100	93
720-71012-2	MW-2R	98	99	101	93
720-71012-3	MW-2RB	98	99	100	91
720-71012-4	MW-2RC	93	97	91	92
720-71012-5	MW-3R	97	93	100	92
720-71012-6	MW-5	96	94	101	89
720-71012-7	MW-5B	99	95	101	93
720-71012-8	MW-5C	97	95	100	92
720-71012-9	MW-8	101	99	105	96
720-71012-10	MW-8B	96	96	99	91
720-71012-11	MW-11B	97	96	102	91
720-71012-12	MW-12	99	99	102	93
720-71012-13	MW-13B	97	95	101	92
720-71012-14	MW-13	101	97	104	92
720-71012-15	MW-13C	99	94	101	91
720-71012-16	MW-14B	98	94	104	90
720-71012-17	MW-14C	103	98	105	92
LCS 320-104830/5	Lab Control Sample	95	96	98	92
LCS 320-105023/5	Lab Control Sample	97	97	98	92
LCSD 320-104830/6	Lab Control Sample Dup	96	99	101	92
LCSD 320-105023/6	Lab Control Sample Dup	96	98	99	93
MB 320-104830/11	Method Blank	96	97	102	91
MB 320-105023/11	Method Blank	95	96	99	91

Surrogate Legend

DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB (73-115)
720-71012-1	MW-1R	97
720-71012-2	MW-2R	99
720-71012-3	MW-2RB	99
720-71012-4	MW-2RC	97
720-71012-5	MW-3R	93
720-71012-6	MW-5	94
720-71012-7	MW-5B	95
720-71012-8	MW-5C	95
720-71012-9	MW-8	99
720-71012-10	MW-8B	96
720-71012-11	MW-11B	96
720-71012-12	MW-12	99

Surrogate Summary

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

TestAmerica Job ID: 720-71012-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB (73-115)
720-71012-13	MW-13B	95
720-71012-14	MW-13	97
720-71012-15	MW-13C	94
720-71012-16	MW-14B	94
720-71012-17	MW-14C	98
LCS 320-104829/8	Lab Control Sample	96
LCSD 320-104829/9	Lab Control Sample Dup	100
MB 320-104829/11	Method Blank	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (28-132)	FBP (49-98)	2FP (24-68)	NBZ (53-102)	PHL (10-50)	TPH (76-121)
720-71012-4	MW-2RC	87	79	43	66	37	96
720-71012-15	MW-13C	81	78	45	69	34	87
720-71012-17	MW-14C	92	81	41	66	30	96
LCS 320-104361/2-A	Lab Control Sample	91	83	62	82	42	100
LCSD 320-104361/3-A	Lab Control Sample Dup	91	81	59	83	38	99
MB 320-104361/1-A	Method Blank	71	71	47	65	31	95

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

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

Matrix: Water **Prep Type: Silica Gel Cleanup**

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH1 (56-145)
720-71012-1	MW-1R	103
720-71012-2	MW-2R	92
720-71012-3	MW-2RB	97
720-71012-4	MW-2RC	93
720-71012-5	MW-3R	92
720-71012-6	MW-5	91
720-71012-7	MW-5B	102
720-71012-8	MW-5C	91
720-71012-9	MW-8	83
720-71012-10	MW-8B	93
720-71012-11	MW-11B	94

Surrogate Summary

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

TestAmerica Job ID: 720-71012-1

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

Matrix: Water

Prep Type: Silica Gel Cleanup

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTPH1 (56-145)								
720-71012-12	MW-12	81								
720-71012-13	MW-13B	87								
720-71012-14	MW-13	70								
720-71012-15	MW-13C	67								
720-71012-16	MW-14B	83								
720-71012-17	MW-14C	94								
LCS 320-104193/2-A	Lab Control Sample	95								
LCSD 320-104193/3-A	Lab Control Sample Dup	103								
MB 320-104193/1-A	Method Blank	99								

Surrogate Legend

OTPH = o-Terphenyl (Surr)

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

Lab Sample ID: MB 320-104830/11
Matrix: Water
Analysis Batch: 104830

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/30/16 15:13	1
Toluene	ND		1.0		ug/L			03/30/16 15:13	1
Ethylbenzene	ND		1.0		ug/L			03/30/16 15:13	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/30/16 15:13	1
o-Xylene	ND		1.0		ug/L			03/30/16 15:13	1
Xylenes, Total	ND		1.0		ug/L			03/30/16 15:13	1
MTBE	ND		2.0		ug/L			03/30/16 15:13	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/30/16 15:13	1
TAME	ND		2.0		ug/L			03/30/16 15:13	1
TBA	ND		50		ug/L			03/30/16 15:13	1
DIPE	ND		2.0		ug/L			03/30/16 15:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 123*		*03/30/16 15:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*74 - 120*		*03/30/16 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 123*		*03/30/16 15:13*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*03/30/16 15:13*	*1*

Lab Sample ID: LCS 320-104830/5
Matrix: Water
Analysis Batch: 104830

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			20.0	20.5		ug/L		103	79 - 120		
Toluene			20.0	19.5		ug/L		98	79 - 126		
Ethylbenzene			20.0	19.9		ug/L		99	80 - 120		
m-Xylene & p-Xylene			20.0	20.2		ug/L		101	80 - 121		
o-Xylene			20.0	20.0		ug/L		100	80 - 124		
Xylenes, Total			40.0	40.2		ug/L		101	80 - 123		
MTBE			20.0	20.9		ug/L		105	71 - 125		
TBA			200	172		ug/L		86	32 - 167		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*80 - 123*
4-Bromofluorobenzene (Surr)	*96*		*74 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 123*
Toluene-d8 (Surr)	*92*		*78 - 120*

Lab Sample ID: LCSD 320-104830/6
Matrix: Water
Analysis Batch: 104830

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			20.0	20.5		ug/L		102	79 - 120	0	21
Toluene			20.0	19.3		ug/L		97	79 - 126	1	20
Ethylbenzene			20.0	19.9		ug/L		99	80 - 120	0	15
m-Xylene & p-Xylene			20.0	20.1		ug/L		100	80 - 121	0	15

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

Lab Sample ID: LCSD 320-104830/6
Matrix: Water
Analysis Batch: 104830

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene			20.0	20.1		ug/L		100	80 - 124	0	18
Xylenes, Total			40.0	40.2		ug/L		101	80 - 123	0	16
MTBE			20.0	21.0		ug/L		105	71 - 125	0	24
TBA			200	178		ug/L		89	32 - 167	3	70

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*80 - 123*
4-Bromofluorobenzene (Surr)	*99*		*74 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 123*
Toluene-d8 (Surr)	*92*		*78 - 120*

Lab Sample ID: MB 320-105023/11
Matrix: Water
Analysis Batch: 105023

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/31/16 17:35	1
Toluene	ND		1.0		ug/L			03/31/16 17:35	1
Ethylbenzene	ND		1.0		ug/L			03/31/16 17:35	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/31/16 17:35	1
o-Xylene	ND		1.0		ug/L			03/31/16 17:35	1
Xylenes, Total	ND		1.0		ug/L			03/31/16 17:35	1
MTBE	ND		2.0		ug/L			03/31/16 17:35	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			03/31/16 17:35	1
TAME	ND		2.0		ug/L			03/31/16 17:35	1
TBA	ND		50		ug/L			03/31/16 17:35	1
DIPE	ND		2.0		ug/L			03/31/16 17:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*80 - 123*		*03/31/16 17:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 120*		*03/31/16 17:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*		*03/31/16 17:35*	*1*
Toluene-d8 (Surr)	*91*		*78 - 120*		*03/31/16 17:35*	*1*

Lab Sample ID: LCS 320-105023/5
Matrix: Water
Analysis Batch: 105023

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			20.0	19.8		ug/L		99	79 - 120		
Toluene			20.0	18.7		ug/L		93	79 - 126		
Ethylbenzene			20.0	19.0		ug/L		95	80 - 120		
m-Xylene & p-Xylene			20.0	18.9		ug/L		94	80 - 121		
o-Xylene			20.0	19.1		ug/L		96	80 - 124		
Xylenes, Total			40.0	38.0		ug/L		95	80 - 123		
MTBE			20.0	19.8		ug/L		99	71 - 125		
TBA			200	175		ug/L		87	32 - 167		

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

Lab Sample ID: LCS 320-105023/5
Matrix: Water
Analysis Batch: 105023

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*80 - 123*
4-Bromofluorobenzene (Surr)	*97*		*74 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 123*
Toluene-d8 (Surr)	*92*		*78 - 120*

Lab Sample ID: LCSD 320-105023/6
Matrix: Water
Analysis Batch: 105023

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			20.0	20.2		ug/L		101	79 - 120	2	21
Toluene			20.0	19.1		ug/L		96	79 - 126	2	20
Ethylbenzene			20.0	19.1		ug/L		96	80 - 120	0	15
m-Xylene & p-Xylene			20.0	19.2		ug/L		96	80 - 121	2	15
o-Xylene			20.0	19.3		ug/L		97	80 - 124	1	18
Xylenes, Total			40.0	38.5		ug/L		96	80 - 123	1	16
MTBE			20.0	20.8		ug/L		104	71 - 125	5	24
TBA			200	178		ug/L		89	32 - 167	2	70

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*80 - 123*
4-Bromofluorobenzene (Surr)	*98*		*74 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 123*
Toluene-d8 (Surr)	*93*		*78 - 120*

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

Lab Sample ID: MB 320-104829/11
Matrix: Water
Analysis Batch: 104829

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C7-C12	ND		50		ug/L			03/30/16 15:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*73 - 115*		*03/30/16 15:13*	*1*

Lab Sample ID: LCS 320-104829/8
Matrix: Water
Analysis Batch: 104829

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C7-C12			1000	923		ug/L		92	78 - 118		

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

Lab Sample ID: LCS 320-104829/8
Matrix: Water
Analysis Batch: 104829

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*73 - 115*

Lab Sample ID: LCSD 320-104829/9
Matrix: Water
Analysis Batch: 104829

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C7-C12			1000	935		ug/L		94	78 - 118	1	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*73 - 115*

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

Lab Sample ID: MB 320-104361/1-A
Matrix: Water
Analysis Batch: 104943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Acenaphthylene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Anthracene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Benzo[a]anthracene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Benzo[b]fluoranthene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Benzo[k]fluoranthene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Benzo[g,h,i]perylene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Benzo[a]pyrene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Bis(2-chloroethoxy)methane	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Bis(2-chloroethyl)ether	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
bis (2-chloroisopropyl) ether	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Bis(2-ethylhexyl) phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
4-Bromophenyl phenyl ether	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Butyl benzyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
4-Chloroaniline	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
4-Chloro-3-methylphenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2-Chloronaphthalene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2-Chlorophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
4-Chlorophenyl phenyl ether	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Chrysene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Dibenz(a,h)anthracene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Dibenzofuran	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Di-n-butyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
1,2-Dichlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
1,3-Dichlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
1,4-Dichlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
3,3'-Dichlorobenzidine	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
2,4-Dichlorophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1

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

TestAmerica Job ID: 720-71012-1

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

Lab Sample ID: MB 320-104361/1-A
Matrix: Water
Analysis Batch: 104943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2,4-Dimethylphenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Dimethyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
4,6-Dinitro-2-methylphenol	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
2,4-Dinitrophenol	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
2,4-Dinitrotoluene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2,6-Dinitrotoluene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Di-n-octyl phthalate	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Fluoranthene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Fluorene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Hexachlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Hexachlorobutadiene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Hexachlorocyclopentadiene	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
Hexachloroethane	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Isophorone	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2-Methylnaphthalene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2-Methylphenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
3-Methylphenol & 4-Methylphenol	ND		20		ug/L		03/24/16 15:44	03/31/16 12:53	1
Naphthalene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2-Nitroaniline	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
3-Nitroaniline	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
4-Nitroaniline	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
Nitrobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2-Nitrophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
4-Nitrophenol	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
N-Nitrosodiphenylamine	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
N-Nitrosodi-n-propylamine	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Pentachlorophenol	ND		50		ug/L		03/24/16 15:44	03/31/16 12:53	1
Phenanthrene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Phenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
Pyrene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
1,2,4-Trichlorobenzene	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2,4,5-Trichlorophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1
2,4,6-Trichlorophenol	ND		10		ug/L		03/24/16 15:44	03/31/16 12:53	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*55.9*	*T*	*ug/L*		*2.22*		*03/24/16 15:44*	*03/31/16 12:53*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*28 - 132*	*03/24/16 15:44*	*03/31/16 12:53*	*1*
2-Fluorobiphenyl (Surr)	*71*		*49 - 98*	*03/24/16 15:44*	*03/31/16 12:53*	*1*
2-Fluorophenol (Surr)	*47*		*24 - 68*	*03/24/16 15:44*	*03/31/16 12:53*	*1*
Nitrobenzene-d5 (Surr)	*65*		*53 - 102*	*03/24/16 15:44*	*03/31/16 12:53*	*1*
Phenol-d5 (Surr)	*31*		*10 - 50*	*03/24/16 15:44*	*03/31/16 12:53*	*1*
Terphenyl-d14 (Surr)	*95*		*76 - 121*	*03/24/16 15:44*	*03/31/16 12:53*	*1*

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

Lab Sample ID: LCS 320-104361/2-A
Matrix: Water
Analysis Batch: 104943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	100	78.0		ug/L		78	52 - 109
Acenaphthylene	100	80.6		ug/L		81	62 - 113
Anthracene	100	85.1		ug/L		85	70 - 111
Benzo[a]anthracene	100	90.5		ug/L		90	73 - 113
Benzo[b]fluoranthene	100	96.1		ug/L		96	69 - 113
Benzo[k]fluoranthene	100	92.9		ug/L		93	64 - 113
Benzo[g,h,i]perylene	100	97.0		ug/L		97	78 - 109
Benzo[a]pyrene	100	99.4		ug/L		99	69 - 112
Bis(2-chloroethoxy)methane	100	80.2		ug/L		80	57 - 105
Bis(2-chloroethyl)ether	100	81.9		ug/L		82	52 - 108
bis (2-chloroisopropyl) ether	100	67.0		ug/L		67	50 - 130
Bis(2-ethylhexyl) phthalate	100	102		ug/L		102	53 - 137
4-Bromophenyl phenyl ether	100	87.6		ug/L		88	58 - 118
Butyl benzyl phthalate	100	100		ug/L		100	58 - 131
4-Chloroaniline	100	75.5		ug/L		76	32 - 103
4-Chloro-3-methylphenol	100	87.7		ug/L		88	59 - 120
2-Chloronaphthalene	100	79.2		ug/L		79	44 - 107
2-Chlorophenol	100	80.0		ug/L		80	56 - 111
4-Chlorophenyl phenyl ether	100	85.7		ug/L		86	54 - 112
Chrysene	100	88.4		ug/L		88	72 - 110
Dibenz(a,h)anthracene	100	98.0		ug/L		98	72 - 118
Dibenzofuran	100	79.8		ug/L		80	54 - 109
Di-n-butyl phthalate	100	91.2		ug/L		91	65 - 127
1,2-Dichlorobenzene	100	74.1		ug/L		74	36 - 99
1,3-Dichlorobenzene	100	69.7		ug/L		70	36 - 92
1,4-Dichlorobenzene	100	70.8		ug/L		71	31 - 98
3,3'-Dichlorobenzidine	100	86.3		ug/L		86	26 - 103
2,4-Dichlorophenol	100	84.3		ug/L		84	58 - 115
Diethyl phthalate	100	84.1		ug/L		84	65 - 117
2,4-Dimethylphenol	100	83.5		ug/L		83	43 - 119
Dimethyl phthalate	100	85.0		ug/L		85	65 - 118
4,6-Dinitro-2-methylphenol	200	196		ug/L		98	49 - 133
2,4-Dinitrophenol	200	165		ug/L		82	23 - 131
2,4-Dinitrotoluene	100	93.1		ug/L		93	63 - 132
2,6-Dinitrotoluene	100	92.1		ug/L		92	66 - 124
Di-n-octyl phthalate	100	97.8		ug/L		98	57 - 136
Fluoranthene	100	88.9		ug/L		89	70 - 118
Fluorene	100	80.6		ug/L		81	61 - 110
Hexachlorobenzene	100	83.5		ug/L		84	60 - 118
Hexachlorobutadiene	100	62.8		ug/L		63	39 - 91
Hexachlorocyclopentadiene	100	56.6		ug/L		57	37 - 93
Hexachloroethane	100	65.2		ug/L		65	42 - 85
Indeno[1,2,3-cd]pyrene	100	101		ug/L		101	67 - 119
Isophorone	100	82.6		ug/L		83	55 - 119
2-Methylnaphthalene	100	77.1		ug/L		77	51 - 101
2-Methylphenol	100	79.5		ug/L		80	52 - 105
3-Methylphenol & 4-Methylphenol	100	73.8		ug/L		74	48 - 99
Naphthalene	100	71.0		ug/L		71	53 - 95

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

Lab Sample ID: LCS 320-104361/2-A
Matrix: Water
Analysis Batch: 104943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	100	81.7		ug/L		82	60 - 124
3-Nitroaniline	100	76.4		ug/L		76	48 - 116
4-Nitroaniline	100	91.1		ug/L		91	62 - 126
Nitrobenzene	100	81.8		ug/L		82	53 - 110
2-Nitrophenol	100	93.5		ug/L		93	60 - 115
4-Nitrophenol	200	78.5		ug/L		39	21 - 80
N-Nitrosodiphenylamine	100	84.9		ug/L		85	62 - 117
N-Nitrosodi-n-propylamine	100	82.2		ug/L		82	51 - 117
Pentachlorophenol	200	166		ug/L		83	53 - 136
Phenanthrene	100	79.5		ug/L		80	67 - 109
Phenol	100	41.8		ug/L		42	25 - 59
Pyrene	100	90.7		ug/L		91	70 - 114
1,2,4-Trichlorobenzene	100	74.6		ug/L		75	36 - 99
2,4,5-Trichlorophenol	100	91.1		ug/L		91	58 - 120
2,4,6-Trichlorophenol	100	89.7		ug/L		90	64 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*28 - 132*
2-Fluorobiphenyl (Surr)	*83*		*49 - 98*
2-Fluorophenol (Surr)	*62*		*24 - 68*
Nitrobenzene-d5 (Surr)	*82*		*53 - 102*
Phenol-d5 (Surr)	*42*		*10 - 50*
Terphenyl-d14 (Surr)	*100*		*76 - 121*

Lab Sample ID: LCSD 320-104361/3-A
Matrix: Water
Analysis Batch: 104943

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	100	77.8		ug/L		78	52 - 109	0	30
Acenaphthylene	100	78.8		ug/L		79	62 - 113	2	30
Anthracene	100	80.5		ug/L		80	70 - 111	6	30
Benzo[a]anthracene	100	89.0		ug/L		89	73 - 113	2	30
Benzo[b]fluoranthene	100	94.1		ug/L		94	69 - 113	2	30
Benzo[k]fluoranthene	100	91.1		ug/L		91	64 - 113	2	30
Benzo[g,h,i]perylene	100	93.9		ug/L		94	78 - 109	3	30
Benzo[a]pyrene	100	95.2		ug/L		95	69 - 112	4	30
Bis(2-chloroethoxy)methane	100	79.3		ug/L		79	57 - 105	1	30
Bis(2-chloroethyl)ether	100	77.3		ug/L		77	52 - 108	6	30
bis (2-chloroisopropyl) ether	100	64.8		ug/L		65	50 - 130	3	30
Bis(2-ethylhexyl) phthalate	100	101		ug/L		101	53 - 137	1	30
4-Bromophenyl phenyl ether	100	85.0		ug/L		85	58 - 118	3	30
Butyl benzyl phthalate	100	98.7		ug/L		99	58 - 131	2	30
4-Chloroaniline	100	73.8		ug/L		74	32 - 103	2	30
4-Chloro-3-methylphenol	100	87.7		ug/L		88	59 - 120	0	30
2-Chloronaphthalene	100	77.1		ug/L		77	44 - 107	3	30
2-Chlorophenol	100	79.0		ug/L		79	56 - 111	1	30
4-Chlorophenyl phenyl ether	100	84.6		ug/L		85	54 - 112	1	30

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

Lab Sample ID: LCSD 320-104361/3-A
Matrix: Water
Analysis Batch: 104943

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104361

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chrysene			100	86.8		ug/L		87	72 - 110	2	30
Dibenz(a,h)anthracene			100	95.4		ug/L		95	72 - 118	3	30
Dibenzofuran			100	78.2		ug/L		78	54 - 109	2	30
Di-n-butyl phthalate			100	88.0		ug/L		88	65 - 127	3	30
1,2-Dichlorobenzene			100	69.6		ug/L		70	36 - 99	6	30
1,3-Dichlorobenzene			100	66.5		ug/L		67	36 - 92	5	30
1,4-Dichlorobenzene			100	66.9		ug/L		67	31 - 98	6	30
3,3'-Dichlorobenzidine			100	83.0		ug/L		83	26 - 103	4	30
2,4-Dichlorophenol			100	85.4		ug/L		85	58 - 115	1	30
Diethyl phthalate			100	82.7		ug/L		83	65 - 117	2	30
2,4-Dimethylphenol			100	82.2		ug/L		82	43 - 119	2	30
Dimethyl phthalate			100	84.3		ug/L		84	65 - 118	1	30
4,6-Dinitro-2-methylphenol			200	188		ug/L		94	49 - 133	4	30
2,4-Dinitrophenol			200	162		ug/L		81	23 - 131	2	30
2,4-Dinitrotoluene			100	92.2		ug/L		92	63 - 132	1	30
2,6-Dinitrotoluene			100	92.4		ug/L		92	66 - 124	0	30
Di-n-octyl phthalate			100	95.4		ug/L		95	57 - 136	2	30
Fluoranthene			100	86.0		ug/L		86	70 - 118	3	30
Fluorene			100	79.4		ug/L		79	61 - 110	2	30
Hexachlorobenzene			100	81.1		ug/L		81	60 - 118	3	30
Hexachlorobutadiene			100	63.1		ug/L		63	39 - 91	1	30
Hexachlorocyclopentadiene			100	54.0		ug/L		54	37 - 93	5	30
Hexachloroethane			100	61.2		ug/L		61	42 - 85	6	30
Indeno[1,2,3-cd]pyrene			100	99.4		ug/L		99	67 - 119	2	30
Isophorone			100	82.8		ug/L		83	55 - 119	0	30
2-Methylnaphthalene			100	77.0		ug/L		77	51 - 101	0	30
2-Methylphenol			100	77.2		ug/L		77	52 - 105	3	30
3-Methylphenol & 4-Methylphenol			100	69.9		ug/L		70	48 - 99	5	30
Naphthalene			100	70.9		ug/L		71	53 - 95	0	30
2-Nitroaniline			100	80.2		ug/L		80	60 - 124	2	30
3-Nitroaniline			100	71.7		ug/L		72	48 - 116	6	30
4-Nitroaniline			100	89.6		ug/L		90	62 - 126	2	30
Nitrobenzene			100	81.8		ug/L		82	53 - 110	0	30
2-Nitrophenol			100	92.5		ug/L		93	60 - 115	1	30
4-Nitrophenol			200	73.9		ug/L		37	21 - 80	6	30
N-Nitrosodiphenylamine			100	82.6		ug/L		83	62 - 117	3	30
N-Nitrosodi-n-propylamine			100	78.7		ug/L		79	51 - 117	4	30
Pentachlorophenol			200	158		ug/L		79	53 - 136	5	30
Phenanthrene			100	75.9		ug/L		76	67 - 109	5	30
Phenol			100	37.9		ug/L		38	25 - 59	10	30
Pyrene			100	89.6		ug/L		90	70 - 114	1	30
1,2,4-Trichlorobenzene			100	73.7		ug/L		74	36 - 99	1	30
2,4,5-Trichlorophenol			100	88.6		ug/L		89	58 - 120	3	30
2,4,6-Trichlorophenol			100	89.7		ug/L		90	64 - 123	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*91*		*28 - 132*
2-Fluorobiphenyl (Surr)	*81*		*49 - 98*

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

Lab Sample ID: LCSD 320-104361/3-A
Matrix: Water
Analysis Batch: 104943

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104361

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*59*		*24 - 68*
Nitrobenzene-d5 (Surr)	*83*		*53 - 102*
Phenol-d5 (Surr)	*38*		*10 - 50*
Terphenyl-d14 (Surr)	*99*		*76 - 121*

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

Lab Sample ID: MB 320-104193/1-A
Matrix: Water
Analysis Batch: 104557

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 104193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		03/23/16 12:24	03/29/16 03:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*99*		*56 - 145*	*03/23/16 12:24*	*03/29/16 03:35*	*1*

Lab Sample ID: LCS 320-104193/2-A
Matrix: Water
Analysis Batch: 104557

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 104193

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			300	259		ug/L		86	53 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*95*		*56 - 145*

Lab Sample ID: LCSD 320-104193/3-A
Matrix: Water
Analysis Batch: 104557

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 104193

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			300	307		ug/L		102	53 - 123	17	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*103*		*56 - 145*

GC/MS VOA

Analysis Batch: 104829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-1	MW-1R	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-2	MW-2R	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-3	MW-2RB	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-4	MW-2RC	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-5	MW-3R	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-6	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-7	MW-5B	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-8	MW-5C	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-9	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-10	MW-8B	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-11	MW-11B	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-12	MW-12	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-13	MW-13B	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-14	MW-13	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-15	MW-13C	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-16	MW-14B	Total/NA	Water	8260B/CA_LUFT MS	
720-71012-17	MW-14C	Total/NA	Water	8260B/CA_LUFT MS	
LCS 320-104829/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 320-104829/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 320-104829/11	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 104830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-1	MW-1R	Total/NA	Water	8260B	
720-71012-2	MW-2R	Total/NA	Water	8260B	
720-71012-3	MW-2RB	Total/NA	Water	8260B	
720-71012-4	MW-2RC	Total/NA	Water	8260B	
720-71012-5	MW-3R	Total/NA	Water	8260B	
720-71012-6	MW-5	Total/NA	Water	8260B	
720-71012-7	MW-5B	Total/NA	Water	8260B	
720-71012-8	MW-5C	Total/NA	Water	8260B	
720-71012-9	MW-8	Total/NA	Water	8260B	
720-71012-10	MW-8B	Total/NA	Water	8260B	
720-71012-11	MW-11B	Total/NA	Water	8260B	
720-71012-12	MW-12	Total/NA	Water	8260B	
720-71012-13	MW-13B	Total/NA	Water	8260B	

GC/MS VOA (Continued)

Analysis Batch: 104830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-14	MW-13	Total/NA	Water	8260B	
720-71012-15	MW-13C	Total/NA	Water	8260B	
720-71012-16	MW-14B	Total/NA	Water	8260B	
720-71012-17	MW-14C	Total/NA	Water	8260B	
LCS 320-104830/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-104830/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 320-104830/11	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 105023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-1 - DL	MW-1R	Total/NA	Water	8260B	
LCS 320-105023/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 320-105023/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 320-105023/11	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 104361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-4	MW-2RC	Total/NA	Water	3510C	
720-71012-15	MW-13C	Total/NA	Water	3510C	
720-71012-17	MW-14C	Total/NA	Water	3510C	
LCS 320-104361/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 320-104361/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 320-104361/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 104943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-4	MW-2RC	Total/NA	Water	8270C	104361
720-71012-15	MW-13C	Total/NA	Water	8270C	104361
720-71012-17	MW-14C	Total/NA	Water	8270C	104361
LCS 320-104361/2-A	Lab Control Sample	Total/NA	Water	8270C	104361
LCSD 320-104361/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	104361
MB 320-104361/1-A	Method Blank	Total/NA	Water	8270C	104361

GC Semi VOA

Prep Batch: 104193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-1	MW-1R	Silica Gel Cleanup	Water	3510C SGC	
720-71012-2	MW-2R	Silica Gel Cleanup	Water	3510C SGC	
720-71012-3	MW-2RB	Silica Gel Cleanup	Water	3510C SGC	
720-71012-4	MW-2RC	Silica Gel Cleanup	Water	3510C SGC	
720-71012-5	MW-3R	Silica Gel Cleanup	Water	3510C SGC	
720-71012-6	MW-5	Silica Gel Cleanup	Water	3510C SGC	
720-71012-7	MW-5B	Silica Gel Cleanup	Water	3510C SGC	
720-71012-8	MW-5C	Silica Gel Cleanup	Water	3510C SGC	
720-71012-9	MW-8	Silica Gel Cleanup	Water	3510C SGC	
720-71012-10	MW-8B	Silica Gel Cleanup	Water	3510C SGC	
720-71012-11	MW-11B	Silica Gel Cleanup	Water	3510C SGC	

GC Semi VOA (Continued)

Prep Batch: 104193 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-12	MW-12	Silica Gel Cleanup	Water	3510C SGC	
720-71012-13	MW-13B	Silica Gel Cleanup	Water	3510C SGC	
720-71012-14	MW-13	Silica Gel Cleanup	Water	3510C SGC	
720-71012-15	MW-13C	Silica Gel Cleanup	Water	3510C SGC	
720-71012-16	MW-14B	Silica Gel Cleanup	Water	3510C SGC	
720-71012-17	MW-14C	Silica Gel Cleanup	Water	3510C SGC	
LCS 320-104193/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 320-104193/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 320-104193/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 104557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71012-1	MW-1R	Silica Gel Cleanup	Water	8015B	104193
720-71012-2	MW-2R	Silica Gel Cleanup	Water	8015B	104193
720-71012-3	MW-2RB	Silica Gel Cleanup	Water	8015B	104193
720-71012-4	MW-2RC	Silica Gel Cleanup	Water	8015B	104193
720-71012-5	MW-3R	Silica Gel Cleanup	Water	8015B	104193
720-71012-6	MW-5	Silica Gel Cleanup	Water	8015B	104193
720-71012-7	MW-5B	Silica Gel Cleanup	Water	8015B	104193
720-71012-8	MW-5C	Silica Gel Cleanup	Water	8015B	104193
720-71012-9	MW-8	Silica Gel Cleanup	Water	8015B	104193
720-71012-10	MW-8B	Silica Gel Cleanup	Water	8015B	104193
720-71012-11	MW-11B	Silica Gel Cleanup	Water	8015B	104193
720-71012-12	MW-12	Silica Gel Cleanup	Water	8015B	104193
720-71012-13	MW-13B	Silica Gel Cleanup	Water	8015B	104193
720-71012-14	MW-13	Silica Gel Cleanup	Water	8015B	104193
720-71012-15	MW-13C	Silica Gel Cleanup	Water	8015B	104193
720-71012-16	MW-14B	Silica Gel Cleanup	Water	8015B	104193
720-71012-17	MW-14C	Silica Gel Cleanup	Water	8015B	104193
LCS 320-104193/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	104193
LCSD 320-104193/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	104193
MB 320-104193/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	104193

Lab Chronicle

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-1R
Date Collected: 03/17/16 14:20
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 15:37	SS	TAL SAC
Total/NA	Analysis	8260B	DL	2	105023	03/31/16 21:10	A1B	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 15:37	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 05:02	UFB	TAL SAC

Client Sample ID: MW-2R
Date Collected: 03/17/16 13:45
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 16:01	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 16:01	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 05:31	UFB	TAL SAC

Client Sample ID: MW-2RB
Date Collected: 03/17/16 13:25
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 16:25	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 16:25	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 06:00	UFB	TAL SAC

Client Sample ID: MW-2RC
Date Collected: 03/17/16 15:15
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 16:49	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 16:49	SS	TAL SAC
Total/NA	Prep	3510C			104361	03/24/16 15:44	NGK	TAL SAC
Total/NA	Analysis	8270C		1	104943	03/31/16 14:18	MEO	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 06:29	UFB	TAL SAC

Lab Chronicle

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-3R
Date Collected: 03/17/16 14:25
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 17:13	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 17:13	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 06:57	UFB	TAL SAC

Client Sample ID: MW-5
Date Collected: 03/17/16 13:30
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 17:37	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 17:37	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 07:26	UFB	TAL SAC

Client Sample ID: MW-5B
Date Collected: 03/17/16 13:20
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 18:01	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 18:01	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 07:55	UFB	TAL SAC

Client Sample ID: MW-5C
Date Collected: 03/17/16 14:50
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	104830	03/30/16 18:25	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		5	104829	03/30/16 18:25	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 08:24	UFB	TAL SAC

Client Sample ID: MW-8
Date Collected: 03/17/16 14:55
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 18:49	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 18:49	SS	TAL SAC

Client Sample ID: MW-8
Date Collected: 03/17/16 14:55
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 08:53	UFB	TAL SAC

Client Sample ID: MW-8B
Date Collected: 03/17/16 12:55
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 19:13	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 19:13	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 09:22	UFB	TAL SAC

Client Sample ID: MW-11B
Date Collected: 03/17/16 11:45
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 20:24	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 20:24	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 19:41	UFB	TAL SAC

Client Sample ID: MW-12
Date Collected: 03/17/16 10:45
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 20:47	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 20:47	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 20:10	UFB	TAL SAC

Client Sample ID: MW-13B
Date Collected: 03/17/16 14:10
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 21:11	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 21:11	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 20:39	UFB	TAL SAC

Lab Chronicle

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

TestAmerica Job ID: 720-71012-1

Client Sample ID: MW-13

Date Collected: 03/17/16 14:00
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 21:36	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 21:36	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 21:08	UFB	TAL SAC

Client Sample ID: MW-13C

Date Collected: 03/17/16 14:30
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	104830	03/30/16 21:59	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		2	104829	03/30/16 21:59	SS	TAL SAC
Total/NA	Prep	3510C			104361	03/24/16 15:44	NGK	TAL SAC
Total/NA	Analysis	8270C		1	104943	03/31/16 14:46	MEO	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 21:37	UFB	TAL SAC

Client Sample ID: MW-14B

Date Collected: 03/17/16 13:50
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 22:23	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 22:23	SS	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 22:06	UFB	TAL SAC

Client Sample ID: MW-14C

Date Collected: 03/17/16 13:40
Date Received: 03/18/16 15:30

Lab Sample ID: 720-71012-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104830	03/30/16 22:47	SS	TAL SAC
Total/NA	Analysis	8260B/CA_LUFTMS		1	104829	03/30/16 22:47	SS	TAL SAC
Total/NA	Prep	3510C			104361	03/24/16 15:44	NGK	TAL SAC
Total/NA	Analysis	8270C		1	104943	03/31/16 15:15	MEO	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC			104193	03/23/16 12:24	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1	104557	03/29/16 22:34	UFB	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

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

TestAmerica Job ID: 720-71012-1

Laboratory: TestAmerica Pleasanton

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-17

Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-17
Alaska (UST)	State Program	10	UST-055	12-18-16
Arizona	State Program	9	AZ0708	08-11-16
Arkansas DEQ	State Program	6	88-0691	06-17-16
California	State Program	9	2897	01-31-17
Colorado	State Program	8	CA00044	08-31-16
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-16
Hawaii	State Program	9	N/A	01-31-17
Illinois	NELAP	5	200060	03-17-17
Kansas	NELAP	7	E-10375	05-31-16
Louisiana	NELAP	6	30612	06-30-16
Michigan	State Program	5	9947	01-31-18
Nevada	State Program	9	CA00044	07-31-16
New Jersey	NELAP	2	CA005	06-30-16
New York	NELAP	2	11666	04-01-16 *
Oregon	NELAP	10	4040	01-29-17
Pennsylvania	NELAP	3	68-01272	03-31-17
Texas	NELAP	6	T104704399	05-31-16
US Fish & Wildlife	Federal		LE148388-0	10-31-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-17
Virginia	NELAP Secondary AB	3	460278	03-14-17
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-16
Wyoming	State Program	8	8TMS-L	01-29-17

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 720-71012-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAC
8260B/CA_LUFTMS	Volatile Organic Compounds by GC/MS	SW846	TAL SAC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAC
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

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

TestAmerica Job ID: 720-71012-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-71012-1	MW-1R	Water	03/17/16 14:20	03/18/16 15:30
720-71012-2	MW-2R	Water	03/17/16 13:45	03/18/16 15:30
720-71012-3	MW-2RB	Water	03/17/16 13:25	03/18/16 15:30
720-71012-4	MW-2RC	Water	03/17/16 15:15	03/18/16 15:30
720-71012-5	MW-3R	Water	03/17/16 14:25	03/18/16 15:30
720-71012-6	MW-5	Water	03/17/16 13:30	03/18/16 15:30
720-71012-7	MW-5B	Water	03/17/16 13:20	03/18/16 15:30
720-71012-8	MW-5C	Water	03/17/16 14:50	03/18/16 15:30
720-71012-9	MW-8	Water	03/17/16 14:55	03/18/16 15:30
720-71012-10	MW-8B	Water	03/17/16 12:55	03/18/16 15:30
720-71012-11	MW-11B	Water	03/17/16 11:45	03/18/16 15:30
720-71012-12	MW-12	Water	03/17/16 10:45	03/18/16 15:30
720-71012-13	MW-13B	Water	03/17/16 14:10	03/18/16 15:30
720-71012-14	MW-13	Water	03/17/16 14:00	03/18/16 15:30
720-71012-15	MW-13C	Water	03/17/16 14:30	03/18/16 15:30
720-71012-16	MW-14B	Water	03/17/16 13:50	03/18/16 15:30
720-71012-17	MW-14C	Water	03/17/16 13:40	03/18/16 15:30

720-71012

wf# 167398

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

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

Lab Vendor # 1364589 (TestAmerica)

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

Print Bill To Contact Name: Christine Pilachowski

PO #:

PlaNet Site or Project ID: 33028

GSAP Project ID: USPC/00258,USRT/00572

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/17/16

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	christine.pilachowski@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)	Casey Huff, AECOM, Oakland, CA
PHONE NO	510-893-3600
E-MAIL	casey.huff@aecom.com
AECOM Other ID	10007871
SAMPLER NAME(S) (Print)	Casey Kudrowicz / Vince Landry

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 / NON-UNIT COST

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

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	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)
1	MW-1R	3/17/16	1420	WG	X			X		5	X	X	X	X	
2	MW-2R	3/17/16	1345	WG	X			X		5	X	X	X	X	
3	MW-2RB	3/17/16	1325	WG	X			X		5	X	X	X	X	
4	MW-2RC	3/17/16	1515	WG	X			X		9	X	X	X	X	X
5	MW-3R	3/17/16	1425	WG	X			X		5	X	X	X	X	
6	MW-5	3/17/16	1330	WG	X			X		5	X	X	X	X	
7	MW-5B	3/17/16	1320	WG	X			X		5	X	X	X	X	
8	MW-5C	3/17/16	1450	WG	X			X		5	X	X	X	X	
9	MW-8	3/17/16	1455	WG	X			X		5	X	X	X	X	
10	MW-8B	3/17/16	1255	WG	X			X		5	X	X	X	X	

720-71012 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature] (S.C.)	3/17/16	1650
[signature]	[signature]	3/18/16	1230
[signature]	[signature]	3.18.16	1520

Version: 14Dec15

1.5, 1.4, 2.0, 0.9, 1.3°, 0.9°

4/4/2016

Shell Oil Products US Chain Of Custody Record

AECOM

4/4/2016

LAB (LOCATION)
- ☐ ACCUTEST (_____)
- ☐ CALSCIENCE (_____)
- ☑ TESTAMERICA (_____)
- ☐ Other (_____)

Lab Vendor # 1364589 (TestAmerica)

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

Print Bill To Contact Name: Christine Pilachowski

PO #:

PlaNet Site or Project ID: 33928

GSAP Project ID: USPC/00258, USRT/00572

☐ CHECK IF NO INCIDENT # APPLIES

DATE 3/17/16

PAGE 2 of 2

SAMPLING COMPANY: Blaine Tech Services, Inc.

LOG CODE: BTSS

SITE ADDRESS: Street and City: 8999 San Ramon Rd., Dublin

State: CA

AECOM Project / Task Number:

ADDRESS: 1680 Rogers Ave., San Jose, CA, 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Casey Huff, AECOM, Oakland, CA

PHONE NO.: 510-893-3600

E-MAIL: casey.huff@aecom.com

AECOM Other ID: 10007871

PROJECT CONTACT (Hardcopy or PDF Report to): Bart Gebbie

TELEPHONE: 310-885-4455 Ext. 103

FAX: 310-637-5802

Bill To Contact E-MAIL: christine.pilachowski@aecom.com

SAMPLER NAME(S) (Print): Corey Richards / Vince Landa

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 (8015M/C); 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
11	MW-11B	3/17/16	1145	WG	Y			X		5	X	X	Y	X	
12	MW-12	3/17/16	1045	WG	X			X		5	X	X	X	X	
13	MW-13B	3/17/16	1410	WG	X			X		5	X	X	X	X	
14	MW-13	3/17/16	1400	WG	X			X		5	X	X	X	X	
15	MW-13C	3/17/16	1430	WG	X			X		9	X	X	X	X	X
16	MW-14B	3/17/16	1350	WG	X			X		5	X	X	X	X	
17	MW-14C	3/17/16	1340	WG	X			X		9	X	X	X	X	X

		Date	Time
Relinquished by: (Signature)	Received by: (Signature) (S.C.)	3/17/16	1650
Relinquished by: (Signature)	Received by: (Signature)	3/18/16	1230
Relinquished by: (Signature)	Received by: (Signature)	3.18.16	1530

Version 14Dec15

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler	Lab PM: Turpen, Laura	Carrier Tracking No(s):	COC No.: 720-28200.1
Client Contact: Shipping/Receiving	Phone	E-Mail: laura turpen@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.				Job #: 720-71012-1
Address: 880 Riverside Parkway,	Due Date Requested: 3/30/2016			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605	PO #			
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	WO #:			
Email:	Project #: 72011730			
Project Name: Shell - 8999 San Ramon Rd., Dublin	SSOW#			
Site				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/5030B (MOD) BTEX/OXYS	8015B_DRO/3510C_IVWT (MOD) CALUFT DRO	8260B/CA_LUFTMS/5030B CALUFT GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-1R (720-71012-1)	3/17/16	14:20 Pacific		Water			X	X	X	5	
MW-2R (720-71012-2)	3/17/16	13.45 Pacific		Water			X	X	X	5	
MW-2RB (720-71012-3)	3/17/16	13:25 Pacific		Water			X	X	X	5	
MW-2RC (720-71012-4)	3/17/16	15.15 Pacific		Water			X	X	X	5	
MW-3R (720-71012-5)	3/17/16	14:25 Pacific		Water			X	X	X	5	
MW-5 (720-71012-6)	3/17/16	13:30 Pacific		Water			X	X	X	5	
MW-5B (720-71012-7)	3/17/16	13 20 Pacific		Water			X	X	X	5	
MW-5C (720-71012-8)	3/17/16	14 50 Pacific		Water			X	X	X	5	
MW-8 (720-71012-9)	3/17/16	14.55 Pacific		Water			X	X	X	5	
MW-8B (720-71012-10)	3/17/16	12:55 Pacific		Water			X	X	X	5	
MW-11B (720-71012-11)	3/17/16	11:45 Pacific		Water			X	X	X	5	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by.	Date:	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	3/24/16 1700	TT	Adrian Mesecar	3-21-16 19:00	TA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by.	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler	Lab PM: Turpen, Laura	Carrier Tracking No(s)	COC No: 720-28200.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: laura.turpen@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-71012-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 3/30/2016			Preservation Codes:
City: West Sacramento	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Shell - 8999 San Ramon Rd., Dublin	Project #: 72011730			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/5030B (MOD) BTEX/OXYS	8015B_DRO/3510C_IVWT (MOD) CALUFT DRO	8260B/CA_LUFTMS/5030B CALUFT GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-12 (720-71012-12)	3/17/16	10.45 Pacific		Water			X	X	X	5	
MW-13B (720-71012-13)	3/17/16	14:10 Pacific		Water			X	X	X	5	
MW-13 (720-71012-14)	3/17/16	14:00 Pacific		Water			X	X	X	5	
MW-13C (720-71012-15)	3/17/16	14:30 Pacific		Water			X	X	X	9	
MW-14B (720-71012-16)	3/17/16	13:50 Pacific		Water			X	X	X	5	
MW-14C (720-71012-17)	3/17/16	13.40 Pacific		Water			X	X	X	9	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	3/21/16 1900	TA	Adrian Meseean	3-21-16 19:00	TA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 720-71012-1

Login Number: 71012
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 720-71012-1

Login Number: 71012
List Number: 2
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 03/22/16 01:08 PM

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	N/A	
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	