CONESTOGA-ROVERS & ASSOCIATES

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www.CRAworld.com

TRANSMITTAL

DATE: August 13, 2012

REFERENCE NO.: 240695

PROJECT NAME: 4895 Hacienda Drive, Dublin

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

RECEIVED
11:27 am, Aug 14, 2012
Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Second Quarter 2012

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

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

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Carl Cox, CJC Hacienda LLC (property owner), 4431 Stoneridge Drive #100, Pleasanton, CA 94588-8417
Cheryl Dizon, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551

Completed by: Peter Schaefer Signed: Aubrey Cool

Filing: **Correspondence File**

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

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

Re: Shell-branded Service Station
4895 Hacienda Drive
Dublin, California
SAP Code 165112
Incident No. 97795893
ACEH Case No. RO0002985

Dear Mr. Wickham:

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

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT - SECOND QUARTER 2012

SHELL-BRANDED SERVICE STATION
4895 HACIENDA DRIVE
DUBLIN, CALIFORNIA

SAP CODE	165112
INCIDENT NO.	97795893
AGENCY NO.	RO0002985

Prepared by:
Conestoga-Rovers & Associates

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Emeryville, California
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AUGUST 13, 2012
REF. NO. 240695 (8)
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1.0 INTRODUCTION

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

1.1 SITE INFORMATION

Site Address	4895 Hacienda Drive, Dublin
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0002985
Shell SAP Code	165112
Shell Incident No.	97795893

Date of most recent agency correspondence was July 2, 2012.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

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

On May 24, 2012, CRA submitted a *Subsurface Investigation Report*, which presented results from cone penetrometer test (CPT) borings and groundwater sampling down gradient from the site and recommended additional CPT investigation.

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

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Generally southerly to easterly
Hydraulic Gradient	Variable
Depth to Water	12.83 to 14.30 feet below top of well casing

2.3 PROPOSED ACTIVITIES

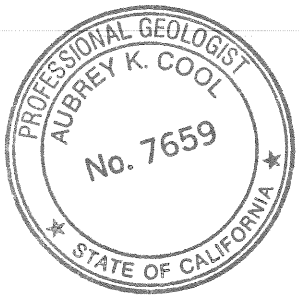
Blaine will gauge and sample wells according to the established monitoring program. This site is monitored semiannually during the second and fourth quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events.

Alameda County Environmental Health's July 2, 2012 letter approved CRA's proposal to drill four additional sets of CPT borings to further delineate the down-gradient extent of groundwater impacts, as recommended in CRA's May 24, 2012 *Subsurface Investigation Report*. The drilling is tentatively scheduled to be completed during September 2012.

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

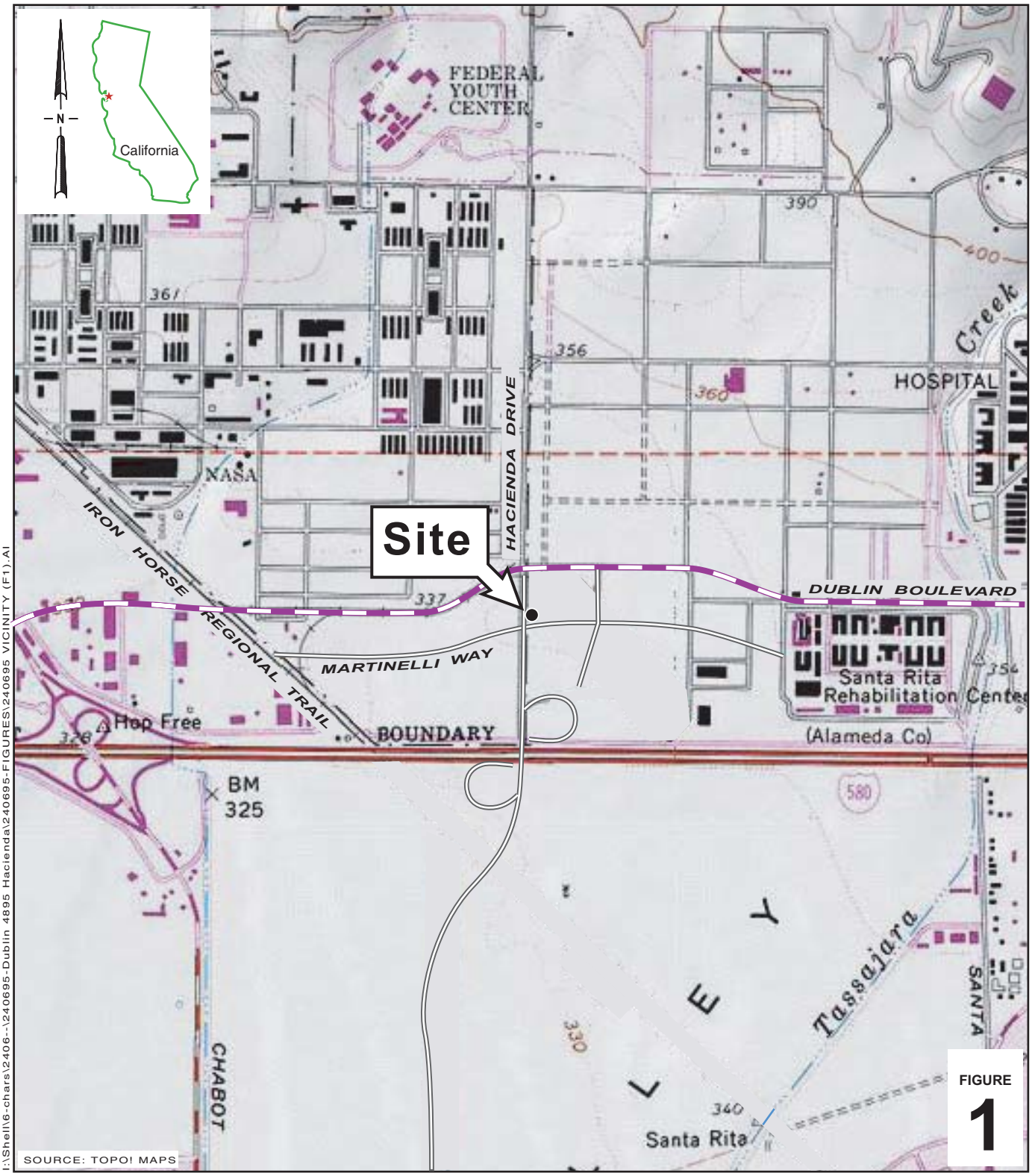
Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG



FIGURES

02/08/2011



I:\Shell\6-chars\2406--\240695-Dublin 4895 Hacienda\240695-FIGURES\240695 VICINITY (F1).AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station

4895 Hacienda Drive

Dublin, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

EXPLANATION

- MW-1 — Monitoring well location
- CPT-1 — CPT location (CRA, 2012)
- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Storm drain line (STM)
- Sanitary sewer line (SAN)
- Water line (W)
- Catch basin
- Fire hydrant
- XX.XX — Groundwater elevation contour, in feet above mean sea level (ft MSL); dashed where inferred

Well
ELEV.
Benzene
MTBE

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

Notes:
ND = Not detected

MW-1
336.50
ND
ND

MW-2
336.36
ND
0.90

MW-3
336.48
ND
7.3

MW-4
336.27
ND
1.2

MW-5
336.18
ND
110

MW-6
336.47
ND
5.0

CPT-1
CPT-2
CPT-3
CPT-4

336.45
336.35
336.25

Shell Station
4895 Hacienda Drive

Romano's Macaroni
Grill Restaurant
4805 Hacienda Drive

Mimi's Cafe
4775 Hacienda Drive

USTs
Station Building
Car Wash
Dispenser Islands & Canopy
AmWater
Parking
Planter
Sidewalk
Sign
Trash
Parking Lot
Planted Median

MARTINELLI WAY
HACIENDA DRIVE

N

0 20 40ft

Figure 2

Groundwater Contour and Chemical Concentration Map
May 22, 2012
Shell-branded Service Station
4895 Hacienda Drive
Dublin, California

I:\Shell\6-chars\2406--\240695-Dublin 4895 Hacienda\240695-REPORTS\240695-RPT8-2Q12\240695 2QM12-GW.DWG (07/25/2012)

TABLE

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4895 HACIENDA DRIVE, 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	03/15/2010	---	---	---	---	---	---	---	---	---	---	---	349.33	11.65	337.68
MW-1	03/19/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	349.33	11.75	337.58
MW-1	05/06/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	349.33	11.99	337.34
MW-1	08/05/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	349.33	12.98	336.35
MW-1	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	349.33	13.50	335.83
MW-1	02/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	349.33	13.04	336.29
MW-1	05/16/2011	<50	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	349.33	12.05	337.28
MW-1	10/31/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	---	---	---	349.33	13.10	336.23
MW-1	**05/22/2012**	**75**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**349.33**	**12.83**	**336.50**
MW-2	03/15/2010	---	---	---	---	---	---	---	---	---	---	---	350.66	12.95	337.71
MW-2	03/19/2010	<50	230	<0.50	<1.0	<1.0	<1.0	180	<10	<2.0	<2.0	<2.0	350.66	13.16	337.50
MW-2	05/06/2010	<50	100	<0.50	<1.0	<1.0	<1.0	130	<10	<2.0	<2.0	<2.0	350.66	13.32	337.34
MW-2	08/05/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	11	<10	<2.0	<2.0	<2.0	350.66	14.34	336.32
MW-2	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	7.9	<10	<2.0	<2.0	<2.0	350.66	14.28	336.38
MW-2	02/03/2011	<47	50	<0.50	<0.50	<0.50	<1.0	42	24	<1.0	<1.0	<1.0	350.66	14.45	336.21
MW-2	05/16/2011	<50	<50	<0.50	<0.50	<0.50	<1.0	22	<10	<1.0	<1.0	<1.0	350.66	13.50	337.16
MW-2	10/31/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	1.0	<10	---	---	---	350.66	14.49	336.17
MW-2	**05/22/2012**	**60**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.90**	**<10**	**---**	**---**	**---**	**350.66**	**14.30**	**336.36**
MW-3	03/15/2010	---	---	---	---	---	---	---	---	---	---	---	350.18	12.62	337.56
MW-3	03/19/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	11	<10	<2.0	<2.0	<2.0	350.18	12.84	337.34
MW-3	05/06/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	6.9	<10	<2.0	<2.0	<2.0	350.18	13.51	336.67
MW-3	08/05/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	9.6	<10	<2.0	<2.0	<2.0	350.18	14.28	335.90
MW-3	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	20	<10	<2.0	<2.0	<2.0	350.18	14.41	335.77
MW-3	02/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	16	<10	<1.0	<1.0	<1.0	350.18	14.08	336.10
MW-3	05/16/2011	<50	<50	<0.50	<0.50	<0.50	<1.0	10	<10	<1.0	<1.0	<1.0	350.18	13.05	337.13
MW-3	10/31/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	32	<10	---	---	---	350.18	14.01	336.17
MW-3	**05/22/2012**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**7.3**	**<10**	**---**	**---**	**---**	**350.18**	**13.70**	**336.48**

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4895 HACIENDA DRIVE, DUBLIN, CALIFORNIA

Well ID	*Date*	*TPHd (µg/L)*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-4	03/15/2010	---	---	---	---	---	---	---	---	---	---	---	350.32	12.85	337.47
MW-4	03/19/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	3.3	<10	<2.0	<2.0	<2.0	350.32	12.98	337.34
MW-4	05/06/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	350.32	13.35	336.97
MW-4	08/05/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	350.32	14.23	336.09
MW-4	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	350.32	14.24	336.08
MW-4	02/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	1.7	<10	<1.0	<1.0	<1.0	350.32	14.24	336.08
MW-4	05/16/2011	<51	<50	<0.50	<0.50	<0.50	<1.0	29	<10	<1.0	<1.0	<1.0	350.32	13.64	336.68
MW-4	10/31/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	2.8	<10	---	---	---	350.32	14.34	335.98
MW-4	**05/22/2012**	**<47**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.2**	**<10**	**---**	**---**	**---**	**350.32**	**14.05**	**336.27**
MW-5	03/15/2010	---	---	---	---	---	---	---	---	---	---	---	350.31	12.80	337.51
MW-5	03/19/2010	<50	410	<0.50	<1.0	<1.0	<1.0	310	<10	<2.0	<2.0	<2.0	350.31	12.99	337.32
MW-5	05/06/2010	<50	160	<1.0	<2.0	<2.0	<2.0	210	<20	<4.0	<4.0	<4.0	350.31	13.21	337.10
MW-5	08/05/2010	<50	310	<1.0	<2.0	<2.0	<2.0	250	39	<4.0	<4.0	<4.0	350.31	14.25	336.06
MW-5	11/08/2010	<50	210	<1.0	<2.0	<2.0	<2.0	210	<20	<4.0	<4.0	<4.0	350.31	14.20	336.11
MW-5	02/03/2011	<47	79 a	<0.50	<0.50	<0.50	<1.0	140	<10	<1.0	<1.0	<1.0	350.31	14.28	336.03
MW-5	05/16/2011	<50	150	<0.50	<0.50	<0.50	<1.0	200	21 b	<1.0	<1.0	<1.0	350.31	13.65	336.66
MW-5	10/31/2011	<47	100	<1.0	<1.0	<1.0	<2.0	130	<20	---	---	---	350.31	14.40	335.91
MW-5	**05/22/2012**	**63**	**110**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**110**	**<10**	**---**	**---**	**---**	**350.31**	**14.13**	**336.18**
MW-6	03/15/2010	---	---	---	---	---	---	---	---	---	---	---	350.29	12.79	337.50
MW-6	03/19/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	18	<10	<2.0	<2.0	<2.0	350.29	12.84	337.45
MW-6	05/06/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	7.4	<10	<2.0	<2.0	<2.0	350.29	13.14	337.15
MW-6	08/05/2010	<50	53	<0.50	<1.0	<1.0	<1.0	4.0	<10	<2.0	<2.0	<2.0	350.29	14.12	336.17
MW-6	11/08/2010	<50	<50	<0.50	<1.0	<1.0	<1.0	7.8	<10	<2.0	<2.0	<2.0	350.29	14.12	336.17
MW-6	02/03/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	18	<10	<1.0	<1.0	<1.0	350.29	14.05	336.24
MW-6	05/16/2011	<51	<50	<0.50	<0.50	<0.50	<1.0	9.8	<10	<1.0	<1.0	<1.0	350.29	13.19	337.10
MW-6	10/31/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	17	<10	---	---	---	350.29	14.06	336.23
MW-6	**05/22/2012**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**5.0**	**<10**	**---**	**---**	**---**	**350.29**	**13.82**	**336.47**

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
4895 HACIENDA DRIVE, DUBLIN, CALIFORNIA

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

Notes:
TPHd = Total petroleum hydrocarbons as diesel analyzed by modified EPA Method 8015 with silica gel cleanup
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B
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 not available

a = Hydrocarbon result partly due to individual peaks in quantitation range
b = Due to the low levels of analyte found in the sample, the analyte was qualitatively identified based on the compound's retention time and the presence of a single mass ion.

Site wells surveyed March 19, 2010 by Mid Coast Engineers.

APPENDIX A

BLAINE TECH SERVICES, INC. – FIELD NOTES

WELL GAUGING DATA

Project # 120522-mw2 Date 5/22/12 Client Shell

Site 4895 Hacienda Dr, Dublin CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1022	4					12.83	30.20		
MW-2	1035	4					14.30	30.00		
MW-3	1047	4					13.70	25.10		
MW-4	1028	4					14.05	27.40		
MW-5	1054	4					14.13	29.60		
MW-6	1041	4					13.82	25.27	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 120522-MW2	Site: 4895 Hacienda Dr, Dublin
Sampler: DW	Date: 5/22/12
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 30.20	Depth to Water (DTW): 12.85
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]: 16.30	

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

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

11.3 (Gals.) X	3	=	33.9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
~~1109~~ 1110	68.0	7.43	1420	209	11.3	
1113	68.4	7.39	1478	45	22.6	
1116	68.5	7.38	1493	21	34.0	

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

Sampling Date: 5/22/12 Sampling Time: 1125 Depth to Water: 13.20

Sample I.D.: MW-1 Laboratory: (Test America) Other ___

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120522-MW2	Site: 4895 Hacienda Dr, Dublin
Sampler: DW	Date: 5/22/12
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 30.00	Depth to Water (DTW): 14.30
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]: 18.44	

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

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

10.2 (Gals.) X	3	= 30.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1208	70.2	7.36	2305	85	10.2	
1210	69.2	7.22	2175	26	20.4	
1213	69.2	7.16	2139	17	30.6	

Did well dewater? Yes (No) Gallons actually evacuated: 30.6

Sampling Date: 5/22/12 Sampling Time: 1220 Depth to Water: 14.40

Sample I.D.: MW-2 Laboratory: (Test America) Other ___

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120522-MW2	Site: 4895 Hacienda Dr, Dublin
Sampler: DW	Date: 5/22/12
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 25.10	Depth to Water (DTW): 13.70
Depth to Free Product: ___	Thickness of Free Product (feet): ___
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.98	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1303	66.8	7.21	2301	94	7.5	
1306	65.5	7.14	2530	224	15.0	
1308	65.8	7.11	2583	193	22.5	

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

Sampling Date: 5/22/12 Sampling Time: 1315 Depth to Water: 15.74

Sample I.D.: MW-3 Laboratory: (Test America) Other ___

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120522-MW2	Site: 4895 Hacienda Dr, Dublin
Sampler: DW	Date: 5/22/12
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 27.40	Depth to Water (DTW): 14.05
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]: 16.72	

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

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

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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1140	70.2	7.21	2154	176	8.7	
1143	69.7	7.11	2349	250	17.4	
1145	69.8	7.09	2374	128	26.1	

Did well dewater? Yes (No) Gallons actually evacuated: 26.1

Sampling Date: 5/22/12 Sampling Time: 1155 Depth to Water: 14.96

Sample I.D.: MW-4 Laboratory: (Test America) Other ___

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120522-MW2	Site: 4895 Hacienda Dr, Dublin
Sampler: DW	Date: 5/22/12
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.60	Depth to Water (DTW): 14.13
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]: 17.22	

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

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

10.1 (Gals.) X	3	= 30.3 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1331	69.2	7.43	1631	146	10.1	
1333	68.8	7.29	1621	65	20.2	
1336	69.0	7.28	1617	45	30.3	

Did well dewater? Yes (No) Gallons actually evacuated: 30.3

Sampling Date: 5/22/12 Sampling Time: 1345 Depth to Water: 14.92

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120522-MW2	Site: 4895 Hacienda Dr, Dublin
Sampler: DW	Date: 5/22/12
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 25.27	Depth to Water (DTW): 13.82
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]: 16.11	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1236	66.2	7.45	2352	116	7.5	
1238	65.6	7.42	2218	64	15.0	
1240	65.5	7.40	2195	48	22.5	

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

Sampling Date: 5/22/12 Sampling Time: 1245 Depth to Water: 14.50

Sample I.D.: MW-6 Laboratory: (Test America) Other ___

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

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

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

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

INCIDENT # 4479073

ADDRESS 4895 Hacienda Dr

DATE: 5/22/12

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-1	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	No tag	Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

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

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

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

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

G = Good (Acceptable) R = Replaced

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

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

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

Version 2.4, March 2008

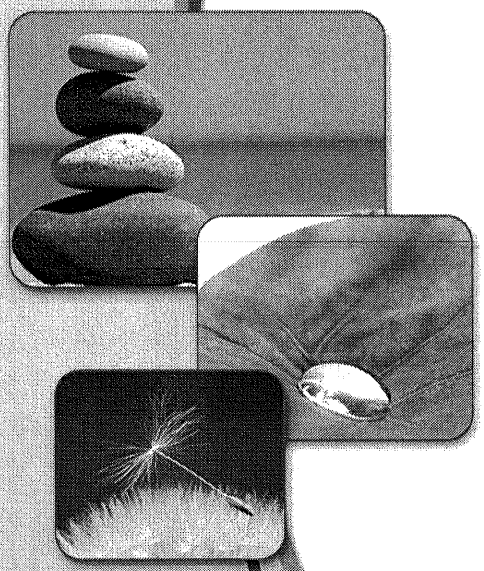
All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Daniel Allen, BTS

Print or type Name of Field Personnel & Consultant Company

APPENDIX B

TESTAMERICA LABORATORIES, INC. – ANALYTICAL REPORT



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 440-12814-1
Client Project/Site: 4895 Hacienda Dr., Dublin

For:
Conestoga-Rovers & Associates, Inc.
5900 Hollis Street
Suite A
Emeryville, California 94608

Attn: Peter Schaefrer

Philip Sanelle

Authorized for release by:
6/11/2012 2:06:53 PM

Philip Sanelle
Project Manager I
philip.sanelle@testamericainc.com

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Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4895 Hacienda Dr., Dublin

TestAmerica Job ID: 440-12814-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-12814-1	MW-1	Water	05/22/12 11:25	05/25/12 10:00
440-12814-2	MW-2	Water	05/22/12 12:20	05/25/12 10:00
440-12814-3	MW-3	Water	05/22/12 13:15	05/25/12 10:00
440-12814-4	MW-4	Water	05/22/12 11:55	05/25/12 10:00
440-12814-5	MW-5	Water	05/22/12 13:45	05/25/12 10:00
440-12814-6	MW-6	Water	05/22/12 12:45	05/25/12 10:00

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4895 Hacienda Dr., Dublin

TestAmerica Job ID: 440-12814-1

Job ID: 440-12814-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-12814-1

Comments
No additional comments.

Receipt
The samples were received on 5/25/2012 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 29555. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4895 Hacienda Dr., Dublin

TestAmerica Job ID: 440-12814-1

Client Sample ID: MW-1

Lab Sample ID: 440-12814-1
Matrix: Water

Date Collected: 05/22/12 11:25
Date Received: 05/25/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/04/12 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/04/12 21:50*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/04/12 21:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/04/12 21:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/04/12 21:50	1
Toluene	ND		0.50		ug/L			06/04/12 21:50	1
Ethylbenzene	ND		0.50		ug/L			06/04/12 21:50	1
Xylenes, Total	ND		1.0		ug/L			06/04/12 21:50	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/04/12 21:50	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/04/12 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/04/12 21:50*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/04/12 21:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/04/12 21:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	75		48		ug/L		05/30/12 14:35	05/31/12 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*78*		*45 - 120*	*05/30/12 14:35*	*05/31/12 08:46*	*1*

Client Sample ID: MW-2

Lab Sample ID: 440-12814-2
Matrix: Water

Date Collected: 05/22/12 12:20
Date Received: 05/25/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/04/12 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/04/12 23:15*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/04/12 23:15*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/04/12 23:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/04/12 23:15	1
Toluene	ND		0.50		ug/L			06/04/12 23:15	1
Ethylbenzene	ND		0.50		ug/L			06/04/12 23:15	1
Xylenes, Total	ND		1.0		ug/L			06/04/12 23:15	1
Methyl-t-Butyl Ether (MTBE)	0.90		0.50		ug/L			06/04/12 23:15	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/04/12 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/04/12 23:15*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/04/12 23:15*	*1*

Client Sample ID: MW-2

Lab Sample ID: 440-12814-2
Matrix: Water

Date Collected: 05/22/12 12:20
Date Received: 05/25/12 10:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/04/12 23:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	60		48		ug/L		05/30/12 14:35	05/31/12 09:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*79*		*45 - 120*	*05/30/12 14:35*	*05/31/12 09:06*	*1*

Client Sample ID: MW-3

Lab Sample ID: 440-12814-3
Matrix: Water

Date Collected: 05/22/12 13:15
Date Received: 05/25/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/04/12 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/04/12 23:44*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/04/12 23:44*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/04/12 23:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/04/12 23:44	1
Toluene	ND		0.50		ug/L			06/04/12 23:44	1
Ethylbenzene	ND		0.50		ug/L			06/04/12 23:44	1
Xylenes, Total	ND		1.0		ug/L			06/04/12 23:44	1
Methyl-t-Butyl Ether (MTBE)	7.3		0.50		ug/L			06/04/12 23:44	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/04/12 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/04/12 23:44*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/04/12 23:44*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/04/12 23:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48		ug/L		05/30/12 14:35	05/31/12 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*72*		*45 - 120*	*05/30/12 14:35*	*05/31/12 09:27*	*1*

Client Sample ID: MW-4

Lab Sample ID: 440-12814-4
Matrix: Water

Date Collected: 05/22/12 11:55
Date Received: 05/25/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/05/12 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/05/12 00:12*	*1*

Client Sample ID: MW-4

Lab Sample ID: 440-12814-4
Matrix: Water

Date Collected: 05/22/12 11:55
Date Received: 05/25/12 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/05/12 00:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/05/12 00:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/05/12 00:12	1
Toluene	ND		0.50		ug/L			06/05/12 00:12	1
Ethylbenzene	ND		0.50		ug/L			06/05/12 00:12	1
Xylenes, Total	ND		1.0		ug/L			06/05/12 00:12	1
Methyl-t-Butyl Ether (MTBE)	1.2		0.50		ug/L			06/05/12 00:12	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/05/12 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/05/12 00:12*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/05/12 00:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/05/12 00:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		47		ug/L		05/30/12 14:35	05/31/12 09:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	*81*		*45 - 120*	*05/30/12 14:35*	*05/31/12 09:47*	*1*

Client Sample ID: MW-5

Lab Sample ID: 440-12814-5
Matrix: Water

Date Collected: 05/22/12 13:45
Date Received: 05/25/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	110		50		ug/L			06/05/12 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/05/12 00:41*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/05/12 00:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/05/12 00:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/05/12 00:41	1
Toluene	ND		0.50		ug/L			06/05/12 00:41	1
Ethylbenzene	ND		0.50		ug/L			06/05/12 00:41	1
Xylenes, Total	ND		1.0		ug/L			06/05/12 00:41	1
Methyl-t-Butyl Ether (MTBE)	110		0.50		ug/L			06/05/12 00:41	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/05/12 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/05/12 00:41*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/05/12 00:41*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/05/12 00:41*	*1*

Client Sample ID: MW-5

Lab Sample ID: 440-12814-5
Matrix: Water
Date Collected: 05/22/12 13:45
Date Received: 05/25/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	63		48		ug/L		05/30/12 14:35	05/31/12 10:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*82*		*45 - 120*	*05/30/12 14:35*	*05/31/12 10:07*	*1*

Client Sample ID: MW-6

Lab Sample ID: 440-12814-6
Matrix: Water
Date Collected: 05/22/12 12:45
Date Received: 05/25/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/05/12 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/05/12 01:10*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/05/12 01:10*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/05/12 01:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/05/12 01:10	1
Toluene	ND		0.50		ug/L			06/05/12 01:10	1
Ethylbenzene	ND		0.50		ug/L			06/05/12 01:10	1
Xylenes, Total	ND		1.0		ug/L			06/05/12 01:10	1
Methyl-t-Butyl Ether (MTBE)	5.0		0.50		ug/L			06/05/12 01:10	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/05/12 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/05/12 01:10*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/05/12 01:10*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/05/12 01:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		48		ug/L		05/30/12 14:35	05/31/12 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*77*		*45 - 120*	*05/30/12 14:35*	*05/31/12 10:28*	*1*

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4895 Hacienda Dr., Dublin

TestAmerica Job ID: 440-12814-1

Client Sample ID: MW-1

Lab Sample ID: 440-12814-1
Matrix: Water

Date Collected: 05/22/12 11:25
Date Received: 05/25/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	30615	06/04/12 21:50	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	30616	06/04/12 21:50	YK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	29555	05/30/12 14:35	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			29620	05/31/12 08:46	ES	TAL IRV

Client Sample ID: MW-2

Lab Sample ID: 440-12814-2
Matrix: Water

Date Collected: 05/22/12 12:20
Date Received: 05/25/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	30615	06/04/12 23:15	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	30616	06/04/12 23:15	YK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	29555	05/30/12 14:35	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			29620	05/31/12 09:06	ES	TAL IRV

Client Sample ID: MW-3

Lab Sample ID: 440-12814-3
Matrix: Water

Date Collected: 05/22/12 13:15
Date Received: 05/25/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	30615	06/04/12 23:44	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	30616	06/04/12 23:44	YK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	29555	05/30/12 14:35	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			29620	05/31/12 09:27	ES	TAL IRV

Client Sample ID: MW-4

Lab Sample ID: 440-12814-4
Matrix: Water

Date Collected: 05/22/12 11:55
Date Received: 05/25/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	30615	06/05/12 00:12	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	30616	06/05/12 00:12	YK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1060 mL	1 mL	29555	05/30/12 14:35	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			29620	05/31/12 09:47	ES	TAL IRV

Client Sample ID: MW-5

Lab Sample ID: 440-12814-5
Matrix: Water

Date Collected: 05/22/12 13:45
Date Received: 05/25/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	30615	06/05/12 00:41	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	30616	06/05/12 00:41	YK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	29555	05/30/12 14:35	KW	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4895 Hacienda Dr., Dublin

TestAmerica Job ID: 440-12814-1

Client Sample ID: MW-5

Lab Sample ID: 440-12814-5

Date Collected: 05/22/12 13:45
Date Received: 05/25/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Analysis	8015B		1			29620	05/31/12 10:07	ES	TAL IRV

Client Sample ID: MW-6

Lab Sample ID: 440-12814-6

Date Collected: 05/22/12 12:45
Date Received: 05/25/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	30615	06/05/12 01:10	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	30616	06/05/12 01:10	YK	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	29555	05/30/12 14:35	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			29620	05/31/12 10:28	ES	TAL IRV

Laboratory References:

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

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

Lab Sample ID: MB 440-30615/4
Matrix: Water
Analysis Batch: 30615

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/04/12 20:24	1
Toluene	ND		0.50		ug/L			06/04/12 20:24	1
Ethylbenzene	ND		0.50		ug/L			06/04/12 20:24	1
Xylenes, Total	ND		1.0		ug/L			06/04/12 20:24	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/04/12 20:24	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/04/12 20:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/04/12 20:24*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/04/12 20:24*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/04/12 20:24*	*1*

Lab Sample ID: LCS 440-30615/5
Matrix: Water
Analysis Batch: 30615

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.0		ug/L		104	70 - 120
Toluene	25.0	27.3		ug/L		109	70 - 120
Ethylbenzene	25.0	29.3		ug/L		117	75 - 125
m,p-Xylene	50.0	55.3		ug/L		111	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	26.4		ug/L		106	60 - 135
o-Xylene	25.0	27.9		ug/L		112	75 - 125
tert-Butyl alcohol (TBA)	125	131		ug/L		105	70 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 440-12814-1 MS
Matrix: Water
Analysis Batch: 30615

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	26.6		ug/L		106	65 - 125
Toluene	ND		25.0	27.2		ug/L		109	70 - 125
Ethylbenzene	ND		25.0	29.1		ug/L		116	65 - 130
m,p-Xylene	ND		50.0	54.8		ug/L		110	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	26.6		ug/L		107	55 - 145
o-Xylene	ND		25.0	28.0		ug/L		112	65 - 125
tert-Butyl alcohol (TBA)	ND		125	132		ug/L		105	65 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 440-12814-1 MSD
Matrix: Water
Analysis Batch: 30615

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	25.9		ug/L		104	65 - 125	2	20
Toluene	ND		25.0	26.9		ug/L		108	70 - 125	1	20
Ethylbenzene	ND		25.0	29.0		ug/L		116	65 - 130	0	20
m,p-Xylene	ND		50.0	53.4		ug/L		107	65 - 130	3	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	26.6		ug/L		106	55 - 145	0	25
o-Xylene	ND		25.0	27.1		ug/L		108	65 - 125	3	20
tert-Butyl alcohol (TBA)	ND		125	130		ug/L		104	65 - 140	1	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 440-30616/4
Matrix: Water
Analysis Batch: 30616

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/04/12 20:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/04/12 20:24*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/04/12 20:24*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/04/12 20:24*	*1*

Lab Sample ID: LCS 440-30616/6
Matrix: Water
Analysis Batch: 30616

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	524		ug/L		105	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 440-12814-1 MS
Matrix: Water
Analysis Batch: 30616

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1720		ug/L		100	50 - 145

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

Lab Sample ID: 440-12814-1 MS
Matrix: Water
Analysis Batch: 30616

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 440-12814-1 MSD
Matrix: Water
Analysis Batch: 30616

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1670		ug/L		97	50 - 145	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 440-29555/1-A
Matrix: Water
Analysis Batch: 29620

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 29555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		05/30/12 14:35	05/31/12 00:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*75*		*45 - 120*	*05/30/12 14:35*	*05/31/12 00:36*	*1*

Lab Sample ID: LCS 440-29555/2-A
Matrix: Water
Analysis Batch: 29620

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 29555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	1000	738		ug/L		74	40 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*81*		*45 - 120*

Lab Sample ID: LCSD 440-29555/3-A
Matrix: Water
Analysis Batch: 29620

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 29555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1000	732		ug/L		73	40 - 115	1	25

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

Lab Sample ID: LCSD 440-29555/3-A
Matrix: Water
Analysis Batch: 29620

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 29555

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane	81		45 - 120

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4895 Hacienda Dr., Dublin

TestAmerica Job ID: 440-12814-1

GC/MS VOA

Analysis Batch: 30615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-12814-1	MW-1	Total/NA	Water	8260B	
440-12814-1 MS	MW-1	Total/NA	Water	8260B	
440-12814-1 MSD	MW-1	Total/NA	Water	8260B	
440-12814-2	MW-2	Total/NA	Water	8260B	
440-12814-3	MW-3	Total/NA	Water	8260B	
440-12814-4	MW-4	Total/NA	Water	8260B	
440-12814-5	MW-5	Total/NA	Water	8260B	
440-12814-6	MW-6	Total/NA	Water	8260B	
LCS 440-30615/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-30615/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 30616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-12814-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-12814-1 MS	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-12814-1 MSD	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-12814-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-12814-3	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
440-12814-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-12814-5	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
440-12814-6	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-30616/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-30616/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 29555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-12814-1	MW-1	Silica Gel Cleanup	Water	3510C SGC	
440-12814-2	MW-2	Silica Gel Cleanup	Water	3510C SGC	
440-12814-3	MW-3	Silica Gel Cleanup	Water	3510C SGC	
440-12814-4	MW-4	Silica Gel Cleanup	Water	3510C SGC	
440-12814-5	MW-5	Silica Gel Cleanup	Water	3510C SGC	
440-12814-6	MW-6	Silica Gel Cleanup	Water	3510C SGC	
LCS 440-29555/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 440-29555/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 440-29555/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 29620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-12814-1	MW-1	Silica Gel Cleanup	Water	8015B	29555
440-12814-2	MW-2	Silica Gel Cleanup	Water	8015B	29555
440-12814-3	MW-3	Silica Gel Cleanup	Water	8015B	29555
440-12814-4	MW-4	Silica Gel Cleanup	Water	8015B	29555

GC Semi VOA (Continued)

Analysis Batch: 29620 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-12814-5	MW-5	Silica Gel Cleanup	Water	8015B	29555
440-12814-6	MW-6	Silica Gel Cleanup	Water	8015B	29555
LCS 440-29555/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	29555
LCSD 440-29555/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	29555
MB 440-29555/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	29555

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 4895 Hacienda Dr., Dublin

TestAmerica Job ID: 440-12814-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Irvine	Arizona	State Program	9	AZ0671
TestAmerica Irvine	California	LA Cty Sanitation Districts	9	10256
TestAmerica Irvine	California	NELAC	9	1108CA
TestAmerica Irvine	California	State Program	9	2706
TestAmerica Irvine	Guam	State Program	9	Cert. No. 12.002r
TestAmerica Irvine	Hawaii	State Program	9	N/A
TestAmerica Irvine	Nevada	State Program	9	CA015312007A
TestAmerica Irvine	New Mexico	State Program	6	N/A
TestAmerica Irvine	Northern Mariana Islands	State Program	9	MP0002
TestAmerica Irvine	Oregon	NELAC	10	4005
TestAmerica Irvine	USDA	Federal		P330-09-00080

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: 240695 Peter Schaefer

INCIDENT # (ENV SERVICES): 97795839 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/22/12

PAGE: 1 of 1

PO #:

SAP #: 1651121

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 4695 Hacienda Dr., Dublin

State: CA

GLOBAL ID NO.: T10000000423

ADDRESS: 1680 Rogers Avenue, San Jose, CA

EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville, CA

PHONE NO.: 510-420-3343

E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com

CONSULTANT PROJECT NO.: 240695-95-12.03

PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print): Daniel Allen

LAB USE ONLY: 440-12814

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:

REQUESTED ANALYSIS

SPECIAL INSTRUCTIONS OR NOTES:

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

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

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

Run TPH-D with Silica Gel Clean Up

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

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

TEMPERATURE ON RECEIPT, °C: CS 4.1

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG	120522-Rn1	052212	DW	MW-1	1125	WG	X					5	X	X			X								
					MW-2	1220		X					5	X	X			X								
					MW-3	1315		X					5	X	X			X								
					MW-4	1155		X					5	X	X			X								
					MW-5	1345		X					5	X	X			X								
					MW-6	1245		X					5	X	X			X								

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] (custodian)	5/22/12	1505
[signature]	[signature] (TBR)	05/23/12	1630
[signature] TBR 05/23/12	[signature]	5-24-12	11:15
[signature] 5-24-12 11:30	Vu Banh	5/25/12	10:00

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6/11/2012

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-12814-1

Login Number: 12814
List Number: 1
Creator: Escalante, Maria

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	