CONESTOGA-ROVERS & ASSOCIATES

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TRANSMITTAL

DATE: February 5, 2013

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

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

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- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth 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
Colleen Winey, Zone 7 Water Agency (electronic copy)

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

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

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 - FOURTH 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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FEBRUARY 5, 2013
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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 October 31, 2012 (electronic).

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.

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.

On January 7, 2013, CRA submitted a *Subsurface Investigation Report*, which presented results from cone penetrometer test borings and grab groundwater sampling down gradient from the site and recommended case closure.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	14.10 to 14.96 feet below top of well casing

2.3 PROPOSED ACTIVITIES

As requested in CRA's January 7, 2013 *Subsurface Investigation Report*, we suspended the groundwater monitoring program during Alameda County Environmental Health's closure review. Unless directed otherwise, no further groundwater monitoring events are scheduled.

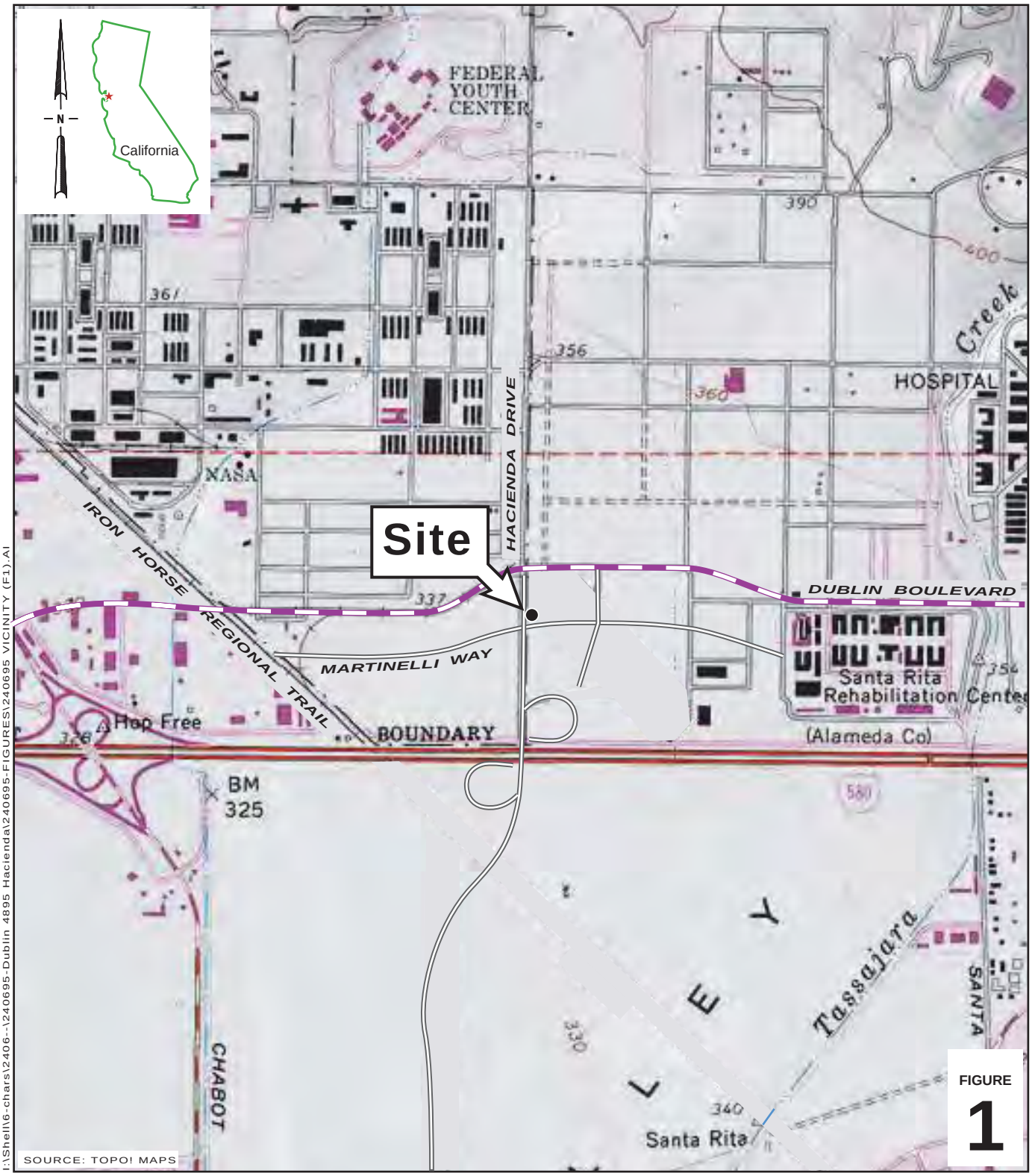
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

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

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE 1

Shell-branded Service Station

4895 Hacienda Drive

Dublin, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

EXPLANATION

MW-1 — Monitoring well location

- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Storm drain line (STM)
- Sanitary sewer line (SAN)
- Water line (W)
- Unknown utility line (?)
- 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-1 335.23 ND ND
MW-2 335.87 ND ND
MW-3 335.66 ND 5.0
MW-4 335.44 ND ND
MW-5 335.35 ND 96
MW-6 336.08 ND 1.7

335.45
335.70
335.95

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
AirWater
Parking
Planter
Sign
Sidewalk
Planted Median
Trash
Parking Lot

MARTINELLI WAY
HACIENDA DRIVE

N

0 20 40ft

Figure 2

Groundwater Contour and Chemical Concentration Map November 13, 2012 Shell-branded Service Station 4895 Hacienda Drive Dublin, California

I:\Shell\6-chars\2406--\240695-Dublin 4895 Hacienda\240695-REPORTS\240695-RPT10-4Q12\240695 4QM12-GW.DWG (01/04/2013)

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-1	**11/13/2012**	**97 a**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**349.33**	**14.10**	**335.23**
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-2	**11/13/2012**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**350.66**	**14.79**	**335.87**
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

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-3	05/22/2012	<48	<50	<0.50	<0.50	<0.50	<1.0	7.3	<10	---	---	---	350.18	13.70	336.48
MW-3	**11/13/2012**	**58 a**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**5.0**	**<10**	**---**	**---**	**---**	**350.18**	**14.52**	**335.66**
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-4	**11/13/2012**	**<48**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**350.32**	**14.88**	**335.44**
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-5	**11/13/2012**	**<48**	**100 c**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**96**	**<10**	**---**	**---**	**---**	**350.31**	**14.96**	**335.35**
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

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)*
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
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
MW-6	10/31/2011	<47	<50	<0.50	<0.50	<0.50	<1.0	17	<10	---	---	---	350.29	14.06
MW-6	05/22/2012	<48	<50	<0.50	<0.50	<0.50	<1.0	5.0	<10	---	---	---	350.29	13.82
MW-6	**11/13/2012**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.7**	**<10**	**---**	**---**	**---**	**350.29**	**14.21**

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.
c = Concentration reported due to the presence of discrete peak of MTBE

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

APPENDIX A

BLAINE TECH SERVICES, INC. – FIELD NOTES

WELL GAUGING DATA

Project # 121113-MM2 Date 11-13-17 Client Shell

Site 4995 Havenly 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	1234	4					14.10	30.19		
MW-2	1242	4					14.79	30.00		
MW-3	1246	4					14.52	25.07		
MW-4	1238	4					14.88	27.42		
MW-5	1254	4					14.96	29.66		
MW-6	1251	4					14.21	25.30		

SHELL WELL MONITORING DATA SHEET

BTS #: 121113-MM2	Site: 4895 Hacienda Dr. Dublin, CA
Sampler: SD	Date: 11-13-12
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 30.19	Depth to Water (DTW): 14.10
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]: 17.32	

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

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

10.4 (Gals.) X 3 = 31.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1302	677	7.36	1477	27	10.4	
1309	679	7.37	1480	24	20.8	
1306	679	7.36	1482	26	31.2	

Did well dewater? Yes (No) Gallons actually evacuated: 31.2

Sampling Date: 11-13-12 Sampling Time: 1310 Depth to Water: 14.96

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 #: 121113-MM2	Site: 4895 Hacienda Dr. Dublin, CA
Sampler: JO	Date: 11-13-12
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 30.00	Depth to Water (DTW): 14.79
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]: 17.83	

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

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

9.8 (Gals.) X 3 = 29.4 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1341	67.9	7.21	2177	29	9.8	
1343	68.0	7.20	2179	27	19.6	
1345	68.0	7.21	2180	27	29.4	

Did well dewater? Yes (No) Gallons actually evacuated: 29.4

Sampling Date: 11-13-12 Sampling Time: 1350 Depth to Water: 15.37

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 #: 121113-MM2	Site: 4895 Hacienda Dr. Dublin, CA
Sampler: JD	Date: 11-13-12
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 25.07	Depth to Water (DTW): 14.52
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.62	

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

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

6.8 (Gals.) X 3 = 20.4 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1422	68.2	7.19	2431	28	6.8	
1426	68.2	7.18	2477	27	13.6	
1425	68.3	7.18	2479	29	20.4	

Did well dewater? Yes (No) Gallons actually evacuated: 20.4

Sampling Date: 11-13-12 Sampling Time: 1430 Depth to Water: 15.09

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 #: 121113-MM2	Site: 4895 Hacienda Dr. Dublin, CA
Sampler: JD	Date: 11-13-12
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 27.92	Depth to Water (DTW): 14.88
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.38	

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

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

9.1 (Gals.) X 3 = 24.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1322	67.9	7.14	2291	31	9.1	
1324	67.8	7.12	2299	30	16.2	
1326	67.9	7.11	2297	29	24.3	

Did well dewater? Yes (No) Gallons actually evacuated: 24.3

Sampling Date: 11-13-12 Sampling Time: 1330 Depth to Water: 16.00

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 #: 121113-MM2	Site: 4895 Hacienda Dr. Dublin, CA
Sampler: JO	Date: 11-13-12
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 29.66	Depth to Water (DTW): 14.96
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]: 17.90	

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

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

9.5 (Gals.) X	3	= 28.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1445	68.1	7.31	1693	42	9.5	
1447	68.1	7.27	1704	44	19.0	
1449	68.2	7.24	1702	49	28.5	

Did well dewater? Yes (No) Gallons actually evacuated: 28.5

Sampling Date: 11-13-12 Sampling Time: 1455 Depth to Water: 15.83

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 #: 121113-MM2	Site: 4895 Hacienda Dr. Dublin, CA
Sampler: JG	Date: 11-13-12
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 25.30	Depth to Water (DTW): 14.21
Depth to Free Product: ~~25.30~~	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]: 16.42	

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

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

7.2 (Gals.) X 3 = 21.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1403	68.0	7.22	2278	34	7.2	
1405	68.1	7.21	2246	37	14.4	
1407	68.1	7.22	2231	34	21.6	

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

Sampling Date: 11-13-12 Sampling Time: 1410 Depth to Water: 15.12

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 # 97173593

ADDRESS 4595 Hacienda Dr.

DATE: 11-13-12

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	1/2 tabs Stripped	Y	N	
MW-2	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	2/2 Tabs Stripped	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		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 =															= 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
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).

Jose Ortiz / Blaine Tech

Print or type Name of Field Personnel & Consultant Company

SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address: 4895 Hacienda Dr. Dublin   Date: 12/11/12

Job Number: 121211-BW1   Technician: BW   Page: 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
MW-1							X										X		
MW-2							X										X		
MW-3							X										X		

MW-1
Notes: Heli-Coil 2/2 Tabs
Well box type / size: 12" Morrison   Materials used: 2 bolts

MW-2
Notes: Retap 2/2 Tabs
Well box type / size: 12" Morrison   Materials used: 2 bolts

MW-3
Notes: Heli-Coil 2/2 Tabs
Well box type / size: 12" Morrison   Materials used: 2 bolts

Notes:
Well box type / size: Materials used:

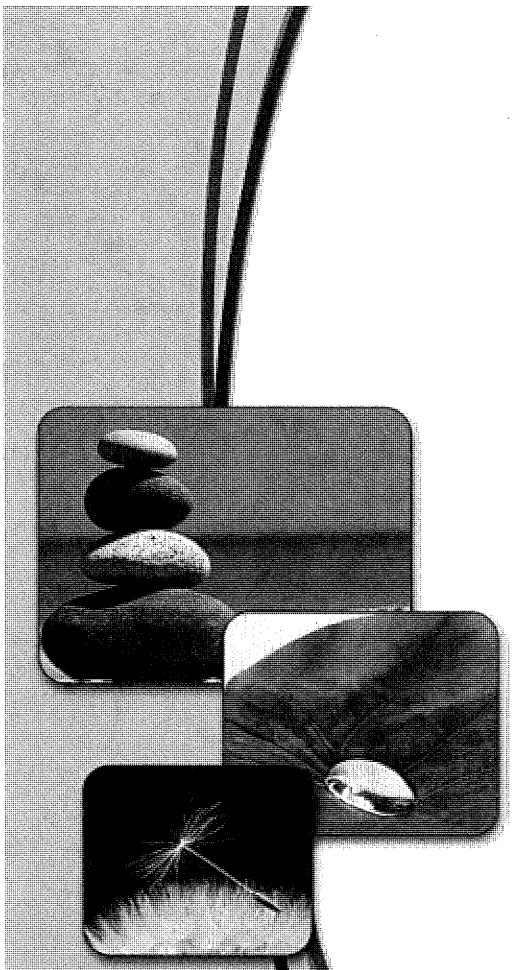
Notes:
Well box type / size: Materials used:

Notes:
Well box type / size: Materials used:

Notes:
Well box type / size: Materials used:

APPENDIX B

TESTAMERICA LABORATORIES, INC. – ANALYTICAL REPORT



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 440-29980-1
Client Project/Site: 4895 Hacienda Dr., Dublin

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

Attn: Peter Schaefer

Philip Sanelle

Authorized for release by:
11/30/2012 10:37:51 AM

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: 440-29980-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-29980-1	MW-1	Water	11/13/12 13:10	11/15/12 10:45
440-29980-2	MW-2	Water	11/13/12 13:50	11/15/12 10:45
440-29980-3	MW-3	Water	11/13/12 14:30	11/15/12 10:45
440-29980-4	MW-4	Water	11/13/12 13:30	11/15/12 10:45
440-29980-5	MW-5	Water	11/13/12 14:55	11/15/12 10:45
440-29980-6	MW-6	Water	11/13/12 14:10	11/15/12 10:45

Job ID: 440-29980-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-29980-1

Comments
No additional comments.

Receipt
The samples were received on 11/15/2012 10:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.9° C, 3.8° C and 4.2° C.

GC/MS VOA
Method(s) 8260B/CA_LUFTMS: The Gasoline Range Organics (GRO) concentration reported for the following sample(s) is due to the presence of discrete peaks: MW-5 (440-29980-5). Methyl tert-butyl ether

No other 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 68244. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) 8015B: Hydrocarbon result partly due to individual peak(s) in quantitation range. MW-1 (440-29980-1), MW-3 (440-29980-3).

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 ID: MW-1

Lab Sample ID: 440-29980-1

Date Collected: 11/13/12 13:10

Matrix: Water

Date Received: 11/15/12 10:45

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			11/26/12 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*11/26/12 21:22*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/26/12 21:22*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/26/12 21:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/26/12 21:22	1
Ethylbenzene	ND		0.50		ug/L			11/26/12 21:22	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/26/12 21:22	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/26/12 21:22	1
Toluene	ND		0.50		ug/L			11/26/12 21:22	1
Xylenes, Total	ND		1.0		ug/L			11/26/12 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/26/12 21:22*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*11/26/12 21:22*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/26/12 21:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**97**		47		ug/L		11/20/12 13:12	11/21/12 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*88*		*45 - 120*	*11/20/12 13:12*	*11/21/12 00:29*	*1*

Client Sample ID: MW-2

Lab Sample ID: 440-29980-2

Date Collected: 11/13/12 13:50

Matrix: Water

Date Received: 11/15/12 10:45

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			11/26/12 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*11/26/12 22:53*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/26/12 22:53*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/26/12 22:53*	*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			11/26/12 22:53	1
Ethylbenzene	ND		0.50		ug/L			11/26/12 22:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/26/12 22:53	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/26/12 22:53	1
Toluene	ND		0.50		ug/L			11/26/12 22:53	1
Xylenes, Total	ND		1.0		ug/L			11/26/12 22:53	1

Client Sample ID: MW-2

Lab Sample ID: 440-29980-2

Date Collected: 11/13/12 13:50
Date Received: 11/15/12 10:45

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/26/12 22:53*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*11/26/12 22:53*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/26/12 22:53*	*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		11/20/12 13:12	11/21/12 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*89*		*45 - 120*	*11/20/12 13:12*	*11/21/12 00:49*	*1*

Client Sample ID: MW-3

Lab Sample ID: 440-29980-3

Date Collected: 11/13/12 14:30
Date Received: 11/15/12 10:45

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			11/26/12 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/26/12 23:24*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/26/12 23:24*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/26/12 23:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/26/12 23:24	1
Ethylbenzene	ND		0.50		ug/L			11/26/12 23:24	1
Methyl-t-Butyl Ether (MTBE)	**5.0**		0.50		ug/L			11/26/12 23:24	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/26/12 23:24	1
Toluene	ND		0.50		ug/L			11/26/12 23:24	1
Xylenes, Total	ND		1.0		ug/L			11/26/12 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/26/12 23:24*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/26/12 23:24*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/26/12 23:24*	*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]	**58**		52		ug/L		11/20/12 13:12	11/21/12 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*90*		*45 - 120*	*11/20/12 13:12*	*11/21/12 01:09*	*1*

Client Sample ID: MW-4

Lab Sample ID: 440-29980-4

Date Collected: 11/13/12 13:30
Date Received: 11/15/12 10:45

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			11/26/12 23:54	1

Client Sample ID: MW-4

Lab Sample ID: 440-29980-4

Date Collected: 11/13/12 13:30
Matrix: Water
Date Received: 11/15/12 10:45

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/26/12 23:54*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/26/12 23:54*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/26/12 23:54*	*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			11/26/12 23:54	1
Ethylbenzene	ND		0.50		ug/L			11/26/12 23:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/26/12 23:54	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/26/12 23:54	1
Toluene	ND		0.50		ug/L			11/26/12 23:54	1
Xylenes, Total	ND		1.0		ug/L			11/26/12 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/26/12 23:54*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/26/12 23:54*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/26/12 23:54*	*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		11/20/12 13:12	11/21/12 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*87*		*45 - 120*	*11/20/12 13:12*	*11/21/12 01:29*	*1*

Client Sample ID: MW-5

Lab Sample ID: 440-29980-5

Date Collected: 11/13/12 14:55
Matrix: Water
Date Received: 11/15/12 10:45

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)	**100**		50		ug/L			11/27/12 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/27/12 00:25*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*11/27/12 00:25*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/27/12 00:25*	*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			11/27/12 00:25	1
Ethylbenzene	ND		0.50		ug/L			11/27/12 00:25	1
Methyl-t-Butyl Ether (MTBE)	**96**		0.50		ug/L			11/27/12 00:25	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/27/12 00:25	1
Toluene	ND		0.50		ug/L			11/27/12 00:25	1
Xylenes, Total	ND		1.0		ug/L			11/27/12 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*11/27/12 00:25*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/27/12 00:25*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/27/12 00:25*	*1*

Client Sample ID: MW-5

Lab Sample ID: 440-29980-5

Date Collected: 11/13/12 14:55
Matrix: Water
Date Received: 11/15/12 10:45

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		11/20/12 13:12	11/21/12 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*64*		*45 - 120*	*11/20/12 13:12*	*11/21/12 01:50*	*1*

Client Sample ID: MW-6

Lab Sample ID: 440-29980-6

Date Collected: 11/13/12 14:10
Matrix: Water
Date Received: 11/15/12 10:45

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			11/27/12 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*11/27/12 00:55*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*11/27/12 00:55*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/27/12 00:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/27/12 00:55	1
Ethylbenzene	ND		0.50		ug/L			11/27/12 00:55	1
Methyl-t-Butyl Ether (MTBE)	**1.7**		0.50		ug/L			11/27/12 00:55	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/27/12 00:55	1
Toluene	ND		0.50		ug/L			11/27/12 00:55	1
Xylenes, Total	ND		1.0		ug/L			11/27/12 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*11/27/12 00:55*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*11/27/12 00:55*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/27/12 00:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		11/20/12 13:12	11/21/12 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*81*		*45 - 120*	*11/20/12 13:12*	*11/21/12 02:10*	*1*

Lab Chronicle

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

TestAmerica Job ID: 440-29980-1

Client Sample ID: MW-1

Date Collected: 11/13/12 13:10
Date Received: 11/15/12 10:45

Lab Sample ID: 440-29980-1
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	69292	11/26/12 21:22	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	69293	11/26/12 21:22	RM	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1055 mL	1 mL	68244	11/20/12 13:12	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			68393	11/21/12 00:29	NK	TAL IRV

Client Sample ID: MW-2

Date Collected: 11/13/12 13:50
Date Received: 11/15/12 10:45

Lab Sample ID: 440-29980-2
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	69292	11/26/12 22:53	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	69293	11/26/12 22:53	RM	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1045 mL	1 mL	68244	11/20/12 13:12	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			68393	11/21/12 00:49	NK	TAL IRV

Client Sample ID: MW-3

Date Collected: 11/13/12 14:30
Date Received: 11/15/12 10:45

Lab Sample ID: 440-29980-3
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	69292	11/26/12 23:24	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	69293	11/26/12 23:24	RM	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			970 mL	1 mL	68244	11/20/12 13:12	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			68393	11/21/12 01:09	NK	TAL IRV

Client Sample ID: MW-4

Date Collected: 11/13/12 13:30
Date Received: 11/15/12 10:45

Lab Sample ID: 440-29980-4
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	69292	11/26/12 23:54	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	69293	11/26/12 23:54	RM	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1035 mL	1 mL	68244	11/20/12 13:12	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			68393	11/21/12 01:29	NK	TAL IRV

Client Sample ID: MW-5

Date Collected: 11/13/12 14:55
Date Received: 11/15/12 10:45

Lab Sample ID: 440-29980-5
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	69292	11/27/12 00:25	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	69293	11/27/12 00:25	RM	TAL IRV

Lab Chronicle

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

TestAmerica Job ID: 440-29980-1

Client Sample ID: MW-5

Lab Sample ID: 440-29980-5

Date Collected: 11/13/12 14:55
Matrix: Water
Date Received: 11/15/12 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			1050 mL	1 mL	68244	11/20/12 13:12	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			68393	11/21/12 01:50	NK	TAL IRV

Client Sample ID: MW-6

Lab Sample ID: 440-29980-6

Date Collected: 11/13/12 14:10
Matrix: Water
Date Received: 11/15/12 10:45

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	69292	11/27/12 00:55	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	69293	11/27/12 00:55	RM	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			1010 mL	1 mL	68244	11/20/12 13:12	KW	TAL IRV
Silica Gel Cleanup	Analysis	8015B		1			68393	11/21/12 02:10	NK	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 440-69292/4
Matrix: Water
Analysis Batch: 69292

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			11/26/12 19:50	1
Ethylbenzene	ND		0.50		ug/L			11/26/12 19:50	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/26/12 19:50	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/26/12 19:50	1
Toluene	ND		0.50		ug/L			11/26/12 19:50	1
Xylenes, Total	ND		1.0		ug/L			11/26/12 19:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*11/26/12 19:50*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*11/26/12 19:50*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/26/12 19:50*	*1*

Lab Sample ID: LCS 440-69292/5
Matrix: Water
Analysis Batch: 69292

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	24.9		ug/L		100	70 - 120
Ethylbenzene	25.0	26.3		ug/L		105	75 - 125
m,p-Xylene	50.0	52.6		ug/L		105	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	26.1		ug/L		104	60 - 135
o-Xylene	25.0	26.4		ug/L		106	75 - 125
tert-Butyl alcohol (TBA)	125	128		ug/L		102	70 - 135
Toluene	25.0	26.9		ug/L		108	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 440-29980-1 MS
Matrix: Water
Analysis Batch: 69292

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	24.7		ug/L		99	65 - 125
Ethylbenzene	ND		25.0	27.0		ug/L		108	65 - 130
m,p-Xylene	ND		50.0	52.9		ug/L		106	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	24.6		ug/L		98	55 - 145
o-Xylene	ND		25.0	26.9		ug/L		107	65 - 125
tert-Butyl alcohol (TBA)	ND		125	128		ug/L		103	65 - 140
Toluene	ND		25.0	26.4		ug/L		105	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: 440-29980-1 MSD
Matrix: Water
Analysis Batch: 69292

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	24.6		ug/L		98	65 - 125	0	20
Ethylbenzene	ND		25.0	25.8		ug/L		103	65 - 130	5	20
m,p-Xylene	ND		50.0	51.2		ug/L		102	65 - 130	3	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	23.7		ug/L		95	55 - 145	4	25
o-Xylene	ND		25.0	25.8		ug/L		103	65 - 125	4	20
tert-Butyl alcohol (TBA)	ND		125	133		ug/L		106	65 - 140	3	25
Toluene	ND		25.0	26.5		ug/L		106	70 - 125	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: MB 440-69293/4
Matrix: Water
Analysis Batch: 69293

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			11/26/12 19:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*11/26/12 19:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*11/26/12 19:50*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/26/12 19:50*	*1*

Lab Sample ID: LCS 440-69293/6
Matrix: Water
Analysis Batch: 69293

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	509		ug/L		102	55 - 130

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

Lab Sample ID: 440-29980-1 MS
Matrix: Water
Analysis Batch: 69293

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	1450		ug/L		84	50 - 145

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

Lab Sample ID: 440-29980-1 MS
Matrix: Water
Analysis Batch: 69293

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 440-29980-1 MSD
Matrix: Water
Analysis Batch: 69293

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	1400		ug/L		81	50 - 145	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

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

Lab Sample ID: MB 440-68244/1-A
Matrix: Water
Analysis Batch: 68393

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 68244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		11/20/12 13:12	11/20/12 23:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*89*		*45 - 120*	*11/20/12 13:12*	*11/20/12 23:28*	*1*

Lab Sample ID: LCS 440-68244/2-A
Matrix: Water
Analysis Batch: 68393

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 68244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	1000	706		ug/L		71	40 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*86*		*45 - 120*

Lab Sample ID: LCSD 440-68244/3-A
Matrix: Water
Analysis Batch: 68393

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 68244

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1000	712		ug/L		71	40 - 115	1	25

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

Lab Sample ID: LCSD 440-68244/3-A
Matrix: Water
Analysis Batch: 68393

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 68244

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane	86		45 - 120

GC/MS VOA

Analysis Batch: 69292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-29980-1	MW-1	Total/NA	Water	8260B	
440-29980-1 MS	MW-1	Total/NA	Water	8260B	
440-29980-1 MSD	MW-1	Total/NA	Water	8260B	
440-29980-2	MW-2	Total/NA	Water	8260B	
440-29980-3	MW-3	Total/NA	Water	8260B	
440-29980-4	MW-4	Total/NA	Water	8260B	
440-29980-5	MW-5	Total/NA	Water	8260B	
440-29980-6	MW-6	Total/NA	Water	8260B	
LCS 440-69292/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-69292/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 69293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-29980-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-29980-1 MS	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-29980-1 MSD	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-29980-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-29980-3	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
440-29980-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-29980-5	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
440-29980-6	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-69293/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-69293/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 68244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-29980-1	MW-1	Silica Gel Cleanup	Water	3510C SGC	
440-29980-2	MW-2	Silica Gel Cleanup	Water	3510C SGC	
440-29980-3	MW-3	Silica Gel Cleanup	Water	3510C SGC	
440-29980-4	MW-4	Silica Gel Cleanup	Water	3510C SGC	
440-29980-5	MW-5	Silica Gel Cleanup	Water	3510C SGC	
440-29980-6	MW-6	Silica Gel Cleanup	Water	3510C SGC	
LCS 440-68244/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 440-68244/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 440-68244/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 68393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-29980-1	MW-1	Silica Gel Cleanup	Water	8015B	68244
440-29980-2	MW-2	Silica Gel Cleanup	Water	8015B	68244
440-29980-3	MW-3	Silica Gel Cleanup	Water	8015B	68244

GC Semi VOA (Continued)

Analysis Batch: 68393 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-29980-4	MW-4	Silica Gel Cleanup	Water	8015B	68244
440-29980-5	MW-5	Silica Gel Cleanup	Water	8015B	68244
440-29980-6	MW-6	Silica Gel Cleanup	Water	8015B	68244
LCS 440-68244/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	68244
LCSD 440-68244/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	68244
MB 440-68244/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	68244

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

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

TestAmerica Job ID: 440-29980-1

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-13
New Mexico	State Program	6	N/A	01-31-13
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-13

440-29980

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): 9 7 7 9 5 8 9 3 ☐ CHECK IF NO INCIDENT # APPLIES

PO #:

SAP #: 1 6 5 1 1 2

DATE: 11-13-12

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS: Street and City: 4895 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
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King		E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com	CONSULTANT PROJECT NO.: 240695-95-12.03
TELEPHONE: (310) 885-4455 x 108	FAX: (310) 637-5802	E-MAIL: lking@blainetech.com	SAMPLER NAME(S) (Print): J. Ortiz

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

- ☐ LA - RWQCB REPORT FORMAT
- ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:
1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabedduplload.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)

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT, °C: (CS) 4.2, 3.8, 2.9

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	121173	111312	JO	MW-1	1310	EVG	X			X		5	X	X			X								
					MW-2	1350		X			X			X	X			X								
					MW-3	1430		X			X			X	X			X								
					MW-4	1330		X			X			X	X			X								
					MW-5	1455		X			X			X	X			X								
					MW-6	1410		X			X			X	X			X								

Relinquished by: (Signature)	Received by: (Signature) (Sample custody seal)	Date: 11-13-12	Time: 1700
Relinquished by: (Signature) (BTS S.C.)	Received by: (Signature)	Date: 11-14-12	Time: 11:20
Relinquished by: (Signature) 11-14-12 17:00	Received by: (Signature)	Date: 11/15/12	Time: 10:45

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11/30/2012

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-29980-1

Login Number: 29980
List Number: 1
Creator: Morales, Sergio

List Source: TestAmerica Irvine

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.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
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").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	