CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
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www.CRAworld.com

TRANSMITTAL

DATE: October 12, 2012

REFERENCE NO.: 240467

PROJECT NAME: 1601 Webster Street, Alameda

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

RECEIVED
4:12 pm, Nov 20, 2012
Alameda County
Environmental Health

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

Sent via:
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- ☐ Same Day Courier
- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Third Quarter 2012

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

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

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Thomas H. Kosel, ConocoPhillips Risk Management & Remediation, 76 Broadway, Sacramento, CA 95818
James C. Kirschner, ATC Associates, Inc., 6602 Owens Drive, Suite 100, Pleasanton, CA 94588
Ed C. Ralston, ConocoPhillips Company (electronic copy)
SF Data Room (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

Barbara Jakub
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Shell-branded Service Station
1601 Webster Street
Alameda, California
SAP Code 135032
Incident No. 97564701
ACEH Case No. RO0002745

Dear Ms. Jakub:

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 - THIRD QUARTER 2012

SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET
ALAMEDA, CALIFORNIA

SAP CODE	135032
INCIDENT NO.	97564701
AGENCY NO.	RO0002745

Prepared by:
Conestoga-Rovers & Associates

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Emeryville, California
U.S.A. 94608

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OCTOBER 12, 2012
REF. NO. 240467 (12)
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LIST OF APPENDICES

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	1601 Webster Street, Alameda
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Barbara Jakub
Agency Case No.	RO0002745
Shell SAP Code	135032
Shell Incident No.	97564701

Date of most recent agency correspondence was September 13, 2011 (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 modified monitoring program for this site. Blaine coordinated groundwater sampling with the adjacent former 76 Station No. 0834 located at 1629 Webster Street, Alameda.

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2) including data from both sites, 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. The data table for the former 76 Station is included in Appendix C.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northerly to northeasterly
Hydraulic Gradient	0.003
Depth to Water	6.20 to 7.85 feet below top of well casing

2.3 PROPOSED ACTIVITIES

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

2.4 DISCUSSION

Shell and Union Oil Company have filed a claim with the California State Water Resources Control Board (SWRCB) to combine investigation, remediation, and monitoring activities for the subject site and the adjacent former 76 Station No. 0834 located at 1629 Webster Street, Alameda with the Underground Storage Tank Cleanup Fund Commingled Plume Account Program. The claim is under review by the SWRCB.

CRA reviewed site data and concluded that the site meets the closure criteria specified in SWRCB's *Low-Threat Underground Storage Tank Case Closure Policy*, which was adopted on May 1, 2012. CRA will submit a closure request under separate cover.

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

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

01/20/09

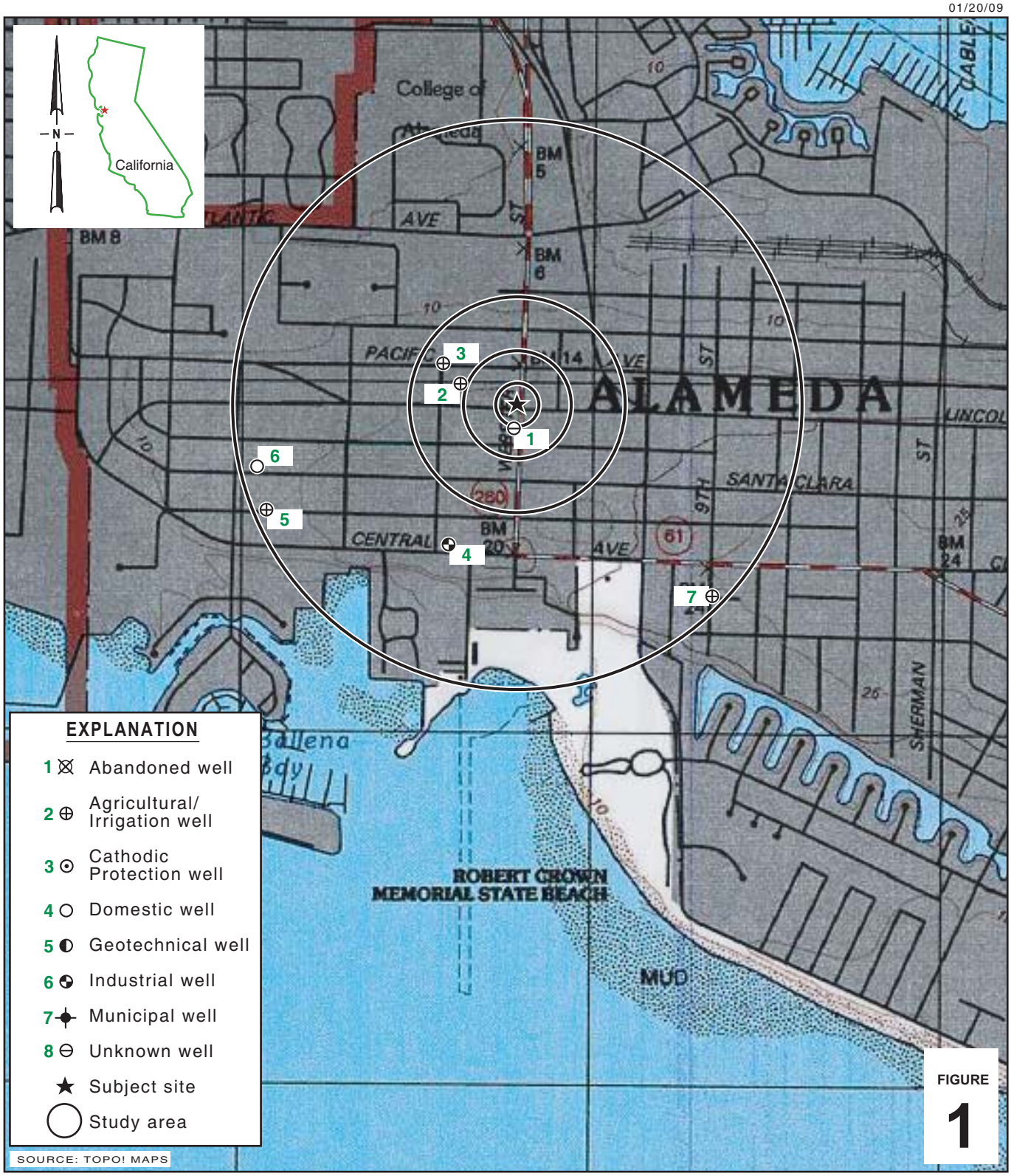

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FIGURE
1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station

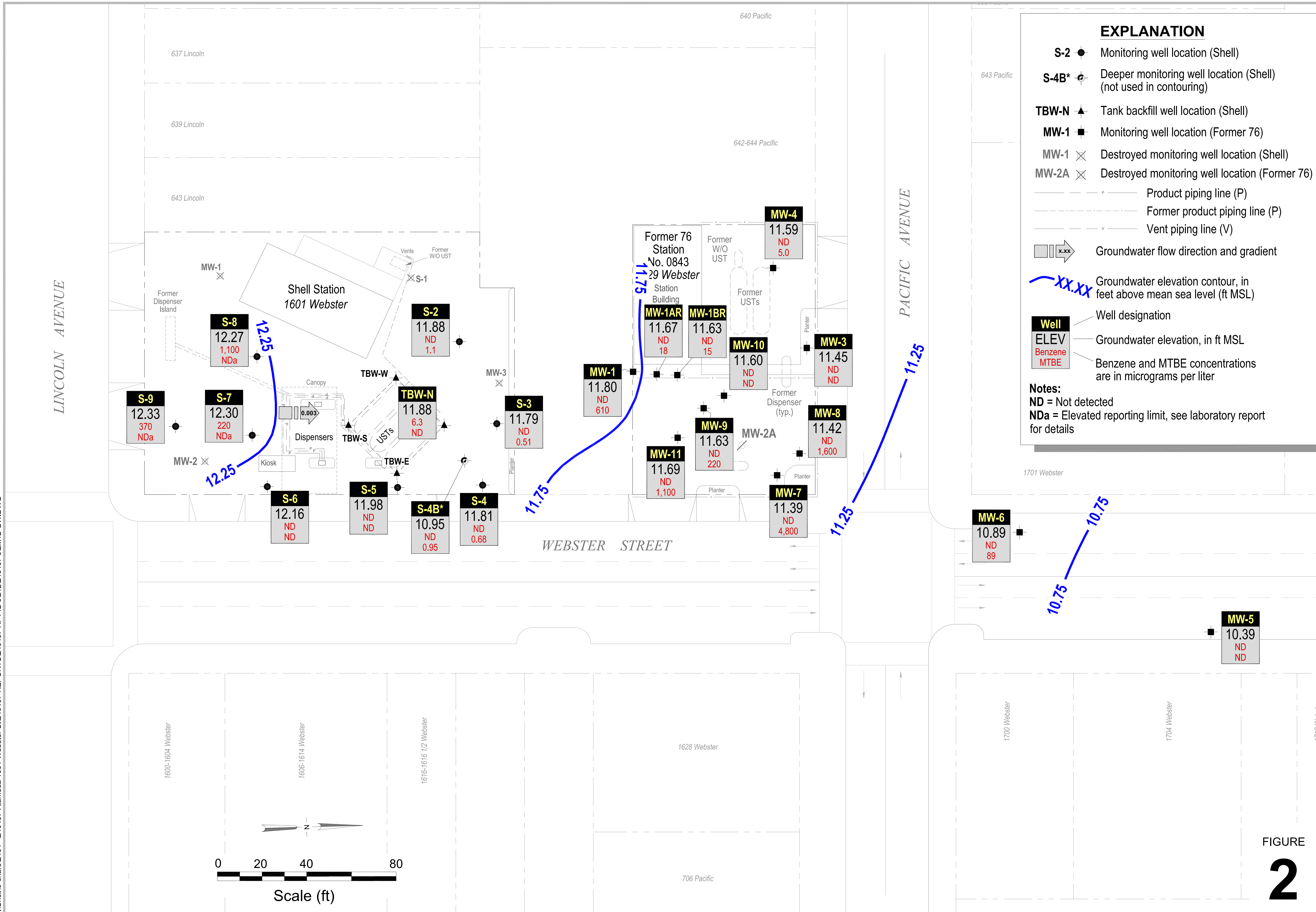
1601 Webster Street

Alameda, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

09/14/2012


EXPLANATION
S-2 Monitoring well location (Shell)
S-4B* Deeper monitoring well location (Shell) (not used in contouring)
TBW-N Tank backfill well location (Shell)
MW-1 Monitoring well location (Former 76)
MW-1 Destroyed monitoring well location (Shell)
MW-2A Destroyed monitoring well location (Former 76)
Product piping line (P)
Former product piping line (P)
Vent piping line (V)
Groundwater flow direction and gradient
XX.XX Groundwater elevation contour, in feet above mean sea level (ft MSL)
Well Well designation
ELEV Groundwater elevation, in ft MSL
Benzene MTBE Benzene and MTBE concentrations are in micrograms per liter
Notes:
ND = Not detected
NDa = Elevated reporting limit, see laboratory report for details
LINCOLN AVENUE
WEBSTER STREET
PACIFIC AVENUE
637 Lincoln
639 Lincoln
643 Lincoln
640 Pacific
642-644 Pacific
643 Pacific
1701 Webster
1600-1604 Webster
1606-1614 Webster
1616-1616 1/2 Webster
1628 Webster
706 Pacific
1700 Webster
1704 Webster
1712 Webster
Shell Station
1601 Webster
Former Dispenser Island
Canopy
Dispensers
Kiosk
USTs
Vents
Former W/O UST
Former 76 Station No. 0843
1629 Webster
Station Building
Former W/O UST
Former USTs
Former Dispenser (typ.)
Planter
MW-1
S-1
MW-2
MW-3
MW-2A
TBW-W
TBW-S
TBW-E
0.003
S-8 12.27 1,100 NDa
S-2 11.88 ND 1.1
S-9 12.33 370 NDa
S-7 12.30 220 NDa
TBW-N 11.88 6.3 ND
S-3 11.79 ND 0.51
S-6 12.16 ND ND
S-5 11.98 ND ND
S-4B* 10.95 ND 0.95
S-4 11.81 ND 0.68
MW-1 11.80 ND 610
MW-1AR 11.67 ND 18
MW-1BR 11.63 ND 15
MW-4 11.59 ND 5.0
MW-10 11.60 ND ND
MW-3 11.45 ND ND
MW-8 11.42 ND 1,600
MW-9 11.63 ND 220
MW-11 11.69 ND 1,100
MW-7 11.39 ND 4,800
MW-6 10.89 ND 89
MW-5 10.39 ND ND
12.25
11.75
11.25
10.75
N
0 20 40 80
Scale (ft)

Groundwater Contour and Chemical Concentration Map

August 13, 2012

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station
1601 Webster Avenue
Alameda, California

FIGURE
2

I:\Shell6-chars\2404--\240467-Alameda 1601 Webster St\240467-REPORTS\240467-RPT12-3Q12\240467 3QM12-GW.DWG

TABLE

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	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)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-2	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.73	7.60	---	12.13
S-2	11/22/2005	996	0.630	0.500	0.500	3.10	406	18.0	<0.500	<0.500	0.570	---	---	---	19.73	7.70	---	12.03
S-2	02/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	2.0	<5.0	<0.50	<0.50	<0.50	---	---	---	19.73	6.29	---	13.44
S-2	05/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.73	6.14	---	13.59
S-2	08/30/2006	420	<0.500	<0.500	<0.500	<0.500	4.42	<10.0	<0.500	<0.500	<0.500	---	---	---	19.73	7.18	---	12.55
S-2	11/22/2006	110	<0.50	<0.50	<0.50	<1.0	62	<5.0	<2.0	<2.0	<2.0	---	---	---	19.73	7.55	---	12.18
S-2	02/23/2007	140	<0.50	<0.50	<0.50	<1.0	110	<5.0	<2.0	<2.0	<2.0	---	---	---	19.73	6.77	---	12.96
S-2	05/18/2007	<50 h	<0.50	<1.0	<1.0	<1.0	18	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.02	---	12.71
S-2	08/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	40	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.65	---	12.08
S-2	11/09/2007	130 h,i	<0.50	<1.0	<1.0	<1.0	190	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.87	---	11.86
S-2	02/08/2008	83 h,i	<1.0	<2.0	<2.0	<2.0	180	<20	<4.0	<4.0	<4.0	---	---	---	19.73	6.52	---	13.21
S-2	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.30	---	12.43
S-2	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	7.1	<10	<2.0	<2.0	<2.0	---	---	---	19.73	8.38	---	11.35
S-2	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	32	<10	<2.0	<2.0	<2.0	---	---	---	19.73	9.13	---	10.60
S-2	02/27/2009	90	<0.50	<1.0	<1.0	<1.0	85	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.05	---	12.68
S-2	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	8.0	<10	<2.0	<2.0	<2.0	---	---	---	19.73	6.93	---	12.80
S-2	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	17	<10	<2.0	<2.0	<2.0	---	---	---	19.73	8.20	---	11.53
S-2	02/05/2010	68	<0.50	<1.0	<1.0	<1.0	52	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.12	---	12.61
S-2	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	1.7	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.59	---	12.14
S-2	02/14/2011	<50	2.6	3.5	1.2	5.7	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.73	7.16	---	12.57
S-2	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.73	7.20	---	12.53
S-2	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	3.8	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	19.73	8.00	---	11.73
S-2	**08/13/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.1**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**19.73**	**7.85**	**---**	**11.88**
S-3	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.14	7.01	---	12.13
S-3	11/22/2005	3,900	<0.500	<0.500	<0.500	0.900	3,730	26.0	<0.500	<0.500	3.44	---	---	---	19.14	7.15	---	11.99
S-3	02/24/2006	580 b	<0.50	<0.50	<0.50	<0.50	360	<5.0	<0.50	<0.50	<0.50	---	---	---	19.14	5.95	---	13.19
S-3	05/30/2006	<50.0	<0.500	<0.500	<0.500	0.510	52.2	<10.0	<0.500	<0.500	<0.500	---	---	---	19.14	5.85	---	13.29
S-3	08/30/2006	2,910	<0.500	<0.500	<0.500	<0.500	882	<10.0	<0.500	<0.500	<0.500	---	---	---	19.14	6.71	---	12.43
S-3	11/22/2006	240	<0.50	<0.50	<0.50	<1.0	150	30	<2.0	<2.0	<2.0	---	---	---	19.14	7.05	---	12.09
S-3	02/23/2007	78	<0.50	<0.50	<0.50	<1.0	78	5.4	<2.0	<2.0	<2.0	---	---	---	19.14	6.30	---	12.84
S-3	05/18/2007	120 h,i	<0.50	<1.0	<1.0	<1.0	150	73	<2.0	<2.0	<2.0	---	---	---	19.14	6.58	---	12.56
S-3	08/10/2007	<50 h	<1.0	<2.0	<2.0	<2.0	200	21	<4.0	<4.0	<4.0	---	---	---	19.14	7.09	---	12.05
S-3	11/09/2007	69 h,i	<0.50	<1.0	<1.0	<1.0	100	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.28	---	11.86

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	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)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-3	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	8.5	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.06	---	13.08
S-3	05/16/2008	71	<0.50	<1.0	<1.0	<1.0	100	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.84	---	12.30
S-3	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	9.0	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.83	---	11.31
S-3	11/26/2008	<50	0.53	<1.0	<1.0	1.5	12	<10	<2.0	<2.0	<2.0	---	---	---	19.14	8.70	---	10.44
S-3	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	3.2	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.97	---	12.17
S-3	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.41	---	12.73
S-3	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	6.1	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.60	---	11.54
S-3	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	1.8	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.63	---	12.51
S-3	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	5.4	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.05	---	12.09
S-3	02/14/2011	<50	1.7	2.6	0.95	4.6	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.14	6.71	---	12.43
S-3	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.14	6.75	---	12.39
S-3	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	19.14	7.53	---	11.61
S-3	**08/13/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.51**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**19.14**	**7.35**	**---**	**11.79**
S-4	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	18.16	6.00	---	12.16
S-4	11/22/2005	4,570	<0.500	<0.500	<0.500	0.660	3,450	26.0	<0.500	<0.500	3.57	---	---	---	18.16	6.10	---	12.06
S-4	02/24/2006	2,200 b	<0.50	<0.50	<0.50	<0.50	1,400	13 c	<0.50	<0.50	1.4	---	---	---	18.16	5.09	---	13.07
S-4	05/30/2006	1,100	<0.500	<0.500	<0.500	<0.500	1,060	87.5	<0.500	<0.500	1.04	---	---	---	18.16	5.00	---	13.16
S-4	08/30/2006	3,170	<0.500	<0.500	<0.500	<0.500	1,000	120	<0.500	<0.500	0.850	---	---	---	18.16	5.81	---	12.35
S-4	11/22/2006	520	<0.50	<0.50	<0.50	<1.0	480	5.2	<2.0	<2.0	<2.0	---	---	---	18.16	5.93	---	12.23
S-4	02/23/2007	180	<0.50	<0.50	<0.50	<1.0	130	9.6	<2.0	<2.0	<2.0	---	---	---	18.16	5.40	---	12.76
S-4	05/18/2007	220 h,i	<2.5	<5.0	<5.0	2.5 j	420	<50	<10	<10	<10	---	---	---	18.16	5.62	---	12.54
S-4	08/10/2007	98 h,i	<2.5	<5.0	<5.0	<5.0	540	29 j	<10	<10	<10	---	---	---	18.16	6.00	---	12.16
S-4	11/09/2007	190 h,i	<2.5	<5.0	<5.0	<5.0	350	<50	<10	<10	<10	---	---	---	18.16	6.20	---	11.96
S-4	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	13	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.47	---	12.69
S-4	05/16/2008	87	<0.50	<1.0	<1.0	<1.0	120	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.00	---	12.16
S-4	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	42	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.85	---	11.31
S-4	11/26/2008	140	<0.50	<1.0	<1.0	<1.0	140	<10	<2.0	<2.0	<2.0	---	---	---	18.16	7.62	---	10.54
S-4	02/27/2009	56	<0.50	<1.0	<1.0	<1.0	43	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.35	---	12.81
S-4	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	12	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.40	---	12.76
S-4	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	6.7	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.55	---	11.61
S-4	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	4.3	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.62	---	12.54
S-4	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	10	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.09	---	12.07
S-4	02/14/2011	<50	1.3	2.2	0.91	4.4	1.6	<10	<1.0	<1.0	<1.0	---	---	---	18.16	5.80	---	12.36

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	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)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-4	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	18.16	5.79	---	12.37
S-4	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	18.16	6.56	---	11.60
S-4	**08/13/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.68**	**<10**	**<0.50**	**<0.50**	**<0.50**	**---**	**---**	**---**	**18.16**	**6.35**	**---**	**11.81**
S-4B	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	18.78	6.14	---	12.64
S-4B	08/30/2006	3,630	<0.500	<0.500	5.32	<0.500	1,130	643	<0.500	<0.500	1.47	---	---	---	18.78	6.32	---	12.46
S-4B	11/22/2006	620	<0.50	<0.50	0.66	<1.0	580	680	<2.0	<2.0	<2.0	---	---	---	18.78	6.46	---	12.32
S-4B	02/23/2007	230	<1.0	<1.0	<1.0	<2.0	190	450	<4.0	<4.0	<4.0	---	---	---	18.78	6.64	---	12.14
S-4B	05/18/2007	200 h	<0.50	<1.0	<1.0	<1.0	130	360	<2.0	<2.0	<2.0	---	---	---	18.78	6.19	---	12.59
S-4B	08/10/2007	150 h	0.47 j	<1.0	<1.0	<1.0	67	230	<2.0	<2.0	<2.0	---	---	---	18.78	6.48	---	12.30
S-4B	11/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	32	67	<2.0	<2.0	<2.0	---	---	---	18.78	6.59	---	12.19
S-4B	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	5.3	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.12	---	12.66
S-4B	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	2.2	15	<2.0	<2.0	<2.0	---	---	---	18.78	6.45	---	12.33
S-4B	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.90	---	11.88
S-4B	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	2.5	<10	<2.0	<2.0	<2.0	---	---	---	18.78	8.19	---	10.59
S-4B	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.03	---	12.75
S-4B	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.01	---	12.77
S-4B	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	3.7	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.90	---	11.88
S-4B	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	---	---	---	18.78	7.23	---	11.55
S-4B	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	1.2	25	<2.0	<2.0	<2.0	---	---	---	18.78	6.64	---	12.14
S-4B	02/14/2011	<50	1.3	2.1	0.82	3.9	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	18.78	6.70	---	12.08
S-4B	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	1.1	22	<1.0	<1.0	<1.0	---	---	---	18.78	7.13	---	11.65
S-4B	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	1.1	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	18.78	6.57	---	12.21
S-4B	**08/13/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**0.95**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**18.78**	**7.83**	**---**	**10.95**
S-5	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	18.68	6.33	---	12.35
S-5	11/22/2005	1,010	0.900	<0.500	1.79	4.91	302	397	<0.500	<0.500	<0.500	---	---	---	18.68	6.44	---	12.24
S-5	02/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	19	<5.0	<0.50	<0.50	<0.50	---	---	---	18.68	5.44	---	13.24
S-5	05/30/2006	2,000	4.13	0.670	<0.500	3.28	143	<10.0	<0.500	<0.500	<0.500	---	---	---	18.68	5.33	---	13.35
S-5	08/30/2006	1,380	<0.500	<0.500	1.43	<0.500	211	106	<0.500	<0.500	<0.500	---	---	---	18.68	6.16	---	12.52
S-5	11/22/2006	82	<0.50	<0.50	<0.50	<1.0	28	13	<2.0	<2.0	<2.0	---	---	---	18.68	6.28	---	12.40
S-5	02/23/2007	<50	<0.50	<0.50	<0.50	<1.0	1.2	<5.0	<2.0	<2.0	<2.0	---	---	---	18.68	5.68	---	13.00
S-5	05/18/2007	<50 h,i	<0.50	<1.0	<1.0	<1.0	2.6	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.91	---	12.77
S-5	08/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.36	---	12.32

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	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)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-5	11/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	<10	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.47	---	12.21
S-5	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.52	---	13.16
S-5	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.22	---	12.46
S-5	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	7.26	---	11.42
S-5	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	8.03	---	10.65
S-5	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.83	---	12.85
S-5	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.73	---	12.95
S-5	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.95	---	11.73
S-5	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.01	---	12.67
S-5	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.46	---	12.22
S-5	02/14/2011	<50	3.9	3.8	1.2	5.3	1.8	<10	<1.0	<1.0	<1.0	---	---	---	18.68	6.20	---	12.48
S-5	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	1.8	<10	<1.0	<1.0	<1.0	---	---	---	18.68	6.15	---	12.53
S-5	02/02/2012	<50	<0.50	<0.50	<0.50	<1.0	0.75	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	18.68	6.87	---	11.81
S-5	**08/13/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**18.68**	**6.70**	**---**	**11.98**
S-6	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.32	6.36	---	12.96
S-6	11/22/2005	15,800	5.14	0.690	32.1	934	<0.500	14.2	<0.500	<0.500	<0.500	---	---	---	19.32	6.53	---	12.79
S-6	01/19/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	19.32	5.50	---	13.82
S-6	02/24/2006	7,900 b	4.4	<1.5	260	380	<1.5	<7.0	<1.5	<1.5	<1.5	---	---	---	19.32	5.76	---	13.56
S-6	05/30/2006	4,170	4.98	<0.500	76.6	44.2	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.32	5.68	---	13.64
S-6	08/30/2006	16,400	10.7	<0.500	353	292	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.32	6.38	---	12.94
S-6	11/22/2006	6,900	7.7	<2.5	250	450	<2.5	<25	<10	<10	<10	---	---	---	19.32	6.62	---	12.70
S-6	02/23/2007	7,900	4.4	<2.5	400	940	<2.5	<25	<10	<10	<10	---	---	---	19.32	6.06	---	13.26
S-6	05/18/2007	2,600 h	3.1	<1.0	85	147.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.12	---	13.20
S-6	08/10/2007	3,100 h	3.5	0.28 j	110	202	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.60	---	12.72
S-6	11/09/2007	3,700 h	2.1	0.34 j	160	335	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.80	---	12.52
S-6	02/08/2008	2,600 h	2.7	<1.0	72	156.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.11	---	13.21
S-6	05/16/2008	350	<0.50	<1.0	8.4	5.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.60	---	12.72
S-6	08/15/2008	3,600	0.99	<1.0	100	164.9	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	7.70	---	11.62
S-6	11/26/2008	1,500	2.9	<1.0	13	3.1	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	8.41	---	10.91
S-6	02/27/2009	2,800	4.3	<1.0	17	23	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.22	---	13.10
S-6	05/28/2009	570	0.74	<1.0	3.1	1.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.10	---	13.22
S-6	09/14/2009	440	0.55	<1.0	1.5	2.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	7.43	---	11.89
S-6	02/05/2010	2,200	1.7	<1.0	5.2	8.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.34	---	12.98

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	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)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-6	08/03/2010	340	<0.50	<1.0	<1.0	1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.85	---	12.47
S-6	02/14/2011	590	1.0	1.0	1.4	3.7	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.32	6.50	---	12.82
S-6	08/04/2011	820	1.2	<0.50	1.7	1.2	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.32	6.52	---	12.80
S-6	02/02/2012	1,500	1.4	<0.50	2.4	1.4	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	---	19.32	7.30	---	12.02
S-6	**08/13/2012**	**320**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**19.32**	**7.16**	**---**	**12.16**
S-7	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.44	6.76	---	12.68
S-7	11/22/2005	51,100	2,680	2,980	969	6,360	1.49	53.3	<0.500	<0.500	<0.500	---	---	---	19.44	6.88	---	12.56
S-7	02/24/2006	22,000 b/25,000 d	1,700	1,200	1,200	2,800	<2.5	58	<2.5	<2.5	<2.5	---	---	---	19.44	5.73	---	13.71
S-7	05/30/2006	35,600	1,720	641	1,600	3,630	2.83	<10.0	<0.500	<0.500	<0.500	---	---	---	19.44	5.61	---	13.83
S-7	08/30/2006	83,900	5,060	62.5	1,640	4,010	2.38	43.4	<0.500	<0.500	<0.500	---	---	---	19.44	6.43	---	13.01
S-7	11/22/2006	13,000	4,300	27	710	1,900	<2.5	54	<10	<10	<10	---	---	---	19.44	6.68	---	12.76
S-7	02/23/2007	15,000	2,000	43	1,100	3,300	<12	<120	<50	<50	<50	---	---	---	19.44	5.82	---	13.62
S-7	05/18/2007	6,100 h	3,900	22 j	520	2,010	<50	<500	<100	<100	<100	---	---	---	19.44	6.20	---	13.24
S-7	08/10/2007	14,000 h	4,900	19 j	670	2,046 j	<50	<500	<100	<100	<100	---	---	---	19.44	6.74	---	12.70
S-7	11/09/2007	16,000 h	4,400	21 j	550	2,052	<50	<500	<100	<100	<100	---	---	---	19.44	6.93	---	12.51
S-7	02/08/2008	2,400 h	160	<2.0	70	160	<2.0	<20	<4.0	<4.0	<4.0	---	---	---	19.44	6.23	---	13.21
S-7	05/16/2008	6,200	1,200	21	320	736.9	<2.0	<20	<4.0	<4.0	<4.0	---	---	---	19.44	6.62	---	12.82
S-7	08/15/2008	15,000	4,500	19	450	1,300	<10	<100	<20	<20	<20	---	---	---	19.44	7.81	---	11.63
S-7	11/26/2008	9,300	3,200	<25	77	250	<25	<250	<50	<50	<50	---	---	---	19.44	8.53	---	10.91
S-7	02/27/2009	3,900	900	<25	49	160	<25	<250	<50	<50	<50	---	---	---	19.44	6.27	---	13.17
S-7	05/28/2009	7,100	1,200	<10	81	600	<10	<100	<20	<20	<20	---	---	---	19.44	6.18	---	13.26
S-7	09/14/2009	11,000	4,000	19	73	66	<10	<100	<20	<20	<20	---	---	---	19.44	7.58	---	11.86
S-7	02/05/2010	4,700	1,200	<10	33	17	<10	<100	<20	<20	<20	---	---	---	19.44	6.36	---	13.08
S-7	08/03/2010	7,600	2,600	14	15	10	<10	<100	<20	<20	<20	---	---	---	19.44	6.90	---	12.54
S-7	02/14/2011	2,200	800	<10	<10	<20	<20	<200	<20	<20	<20	---	---	---	19.44	6.53	---	12.91
S-7	08/04/2011	4,600	1,200	16	<10	<20	<20	<200	<20	<20	<20	---	---	---	19.44	6.53	---	12.91
S-7	02/02/2012	1,600	93	4.7	4.0	7.4	<1.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	---	19.44	7.39	---	12.05
S-7	**08/13/2012**	**3,000**	**220**	**14**	**8.9**	**15**	**<2.0**	**<40**	**<2.0**	**<2.0**	**<2.0**	**---**	**---**	**---**	**19.44**	**7.14**	**---**	**12.30**
S-8	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	20.11	7.02	---	13.09
S-8	08/30/2006	90,600	5,150	28.2	3,230	4,450	4.30	<10.0	<0.500	<0.500	<0.500	---	---	---	20.11	7.19	---	12.92
S-8	11/22/2006	41,000	4,900	58	3,300	7,200	2.6	<25	<10	<10	<10	---	---	---	20.11	7.48	---	12.63
S-8	02/23/2007	28,000	2,900	28	2,900	4,900	<25	<250	<100	<100	<100	---	---	---	20.11	6.73	---	13.38

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	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)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-8	05/18/2007	24,000 h	4,400	33 j	3,800	4,470	<50	<500	<100	<100	<100	---	---	---	20.11	6.98	---	13.13
S-8	08/10/2007	22,000 h	5,000	30 j	3,100	3,660	<50	<500	<100	<100	<100	---	---	---	20.11	7.57	---	12.54
S-8	11/09/2007	22,000 h	4,600	24 j	3,000	2,770	<50	<500	<100	<100	<100	---	---	---	20.11	7.80	---	12.31
S-8	02/08/2008	11,000 h	5,900	<50	410	310	<50	<500	<100	<100	<100	---	---	---	20.11	6.55	---	13.56
S-8	05/16/2008	20,000	1,600	32	2,300	2,136	<20	<200	<40	<40	<40	---	---	---	20.11	7.30	---	12.81
S-8	08/15/2008	26,000	2,400	20	4,900	2,432	<20	<200	<40	<40	<40	---	---	---	20.11	8.60	---	11.51
S-8	11/26/2008	10,000	890	6.6	790	302	<5.0	<50	<10	<10	<10	---	---	---	20.11	9.20	---	10.91
S-8	02/27/2009	770	30	<1.0	9.9	6.0	<1.0	12	<2.0	<2.0	<2.0	---	---	---	20.11	7.04	---	13.07
S-8	05/28/2009	5,800	620	3.1	390	380	<1.0	40	<2.0	<2.0	<2.0	---	---	---	20.11	6.91	---	13.20
S-8	09/14/2009	7,700	1,600	<10	110	750	<10	<100	<20	<20	<20	---	---	---	20.11	8.32	---	11.79
S-8	02/05/2010	10,000	2,000	<10	150	260	<10	<100	<20	<20	<20	---	---	---	20.11	7.08	---	13.03
S-8	08/03/2010	12,000	2,000	<20	47	82	<20	<200	<40	<40	<40	---	---	---	20.11	7.64	---	12.47
S-8	02/14/2011	4,900	960	<10	89	78	<20	<200	<20	<20	<20	---	---	---	20.11	7.20	---	12.91
S-8	08/04/2011	7,200	830	<5.0	26	13	<10	<100	<10	<10	<10	---	---	---	20.11	7.24	---	12.87
S-8	02/02/2012	12,000	1,400	4.0	29	9.8	<2.5	<50	<2.5	<2.5	<2.5	<2.5	<2.5	---	20.11	8.08	---	12.03
S-8	**08/13/2012**	**7,100**	**1,100**	**<5.0**	**55**	**21**	**<5.0**	**<100**	**<5.0**	**<5.0**	**<5.0**	**---**	**---**	**---**	**20.11**	**7.84**	**---**	**12.27**
S-9	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	19.60	6.93	---	12.67
S-9	08/30/2006	162,000	3,620	5,040	3,810	22,500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.60	6.52	---	13.08
S-9	11/22/2006	47,000	2,100	840	3,000	12,000	<2.5	<25	<10	<10	<10	---	---	---	19.60	6.78	---	12.82
S-9	02/23/2007	18,000	890	120	1,800	3,600	<12	<120	<50	<50	<50	---	---	---	19.60	6.13	---	13.47
S-9	05/18/2007	22,000 h	1,300	630	2,400	7,300	<50	<500	<100	<100	<100	---	---	---	19.60	6.35	---	13.25
S-9	08/10/2007	36,000 h	2,600	920	4,200	14,900	<50	<500	<100	<100	<100	---	---	---	19.60	6.86	---	12.74
S-9	11/09/2007	34,000 h	2,100	320	3,700	12,000	<50	<500	<100	<100	<100	---	---	---	19.60	7.09	---	12.51
S-9	02/08/2008	7,400 h	410	51	1,100	1,620	<10	<100	<20	<20	<20	---	---	---	19.60	6.00	---	13.60
S-9	05/16/2008	19,000	910	230	1,600	4,200	<10	<100	<20	<20	<20	---	---	---	19.60	6.67	---	12.93
S-9	08/15/2008	65,000	2,600	540	5,200	19,000	<10	<100	<20	<20	<20	---	---	---	19.60	7.93	---	11.67
S-9	11/26/2008	18,000	910	<100	2,000	3,340	<100	<1,000	<200	<200	<200	---	---	---	19.60	8.60	---	11.00
S-9	02/27/2009	1,000	55	2.3	100	61	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.60	6.35	---	13.25
S-9	05/28/2009	9,700	410	120	810	1,400	<10	<100	<20	<20	<20	---	---	---	19.60	6.22	---	13.38
S-9	09/14/2009	24,000	960	120	2,200	6,500	<5.0	<50	<10	<10	<10	---	---	---	19.60	7.73	---	11.87
S-9	02/05/2010	4,900	310	6.2	180	240	<5.0	<50	<10	<10	<10	---	---	---	19.60	6.51	---	13.09
S-9	08/03/2010	17,000	940	25	500	2,800	<2.0	29	<4.0	<4.0	<4.0	---	---	---	19.60	7.02	---	12.58
S-9	02/14/2011	1,500	190	3.6	11	38	<4.0	<40	<4.0	<4.0	<4.0	---	---	---	19.60	6.60	---	13.00

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	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)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
S-9	08/04/2011	5,300	370	18	53	370	<5.0	<50	<5.0	<5.0	<5.0	---	---	---	19.60	6.62	---	12.98
S-9	02/02/2012	1,100	85	2.1	3.4	2.9	<1.0	<20	<1.0	<1.0	<1.0	<1.0	<1.0	---	19.60	7.48	---	12.12
S-9	**08/13/2012**	**4,200**	**370**	**18**	**48**	**66**	**<2.5**	**<50**	**---**	**---**	**---**	**---**	**---**	**---**	**19.60**	**7.27**	**---**	**12.33**
TBW-E	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.31	---	---
TBW-E	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.01	---	---
TBW-E	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.32	---	---
TBW-E	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.55	---	---
TBW-E	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.95	---	---
TBW-E	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.47	---	---
TBW-N	11/23/2004	83,000	640	27,000	1,700	20,000	2,300	1,300	<400	<400	<400	<100	<100	<10,000	---	5.64	---	---
TBW-N	12/01/2004	160,000	700	31,000	2,300	24,000	2,900	1,200	<400	<400	<400	<100	<100	<10,000	---	6.35	---	---
TBW-N	12/07/2004	130,000	590	29,000	2,300	24,000	2,700	1,300	<400	<400	<400	<100	<100	<10,000	---	5.65	---	---
TBW-N	12/15/2004	120,000	420	26,000	2,000	22,000	3,300	<1,000	<400	<400	<400	<100	<100	<10,000	---	5.85	---	---
TBW-N	12/23/2004	100,000	220	23,000	1,900	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000	---	5.30	---	---
TBW-N	12/27/2004	110,000	470	26,000	2,300	22,000	1,800	<1,000	<400	<400	<400	<100	<100	<10,000	---	7.80	---	---
TBW-N	01/17/2005	86,000	330	22,000	2,200	21,000	1,600	1,600	<400	<400	<400	<100	<100	<10,000	---	6.59	---	---
TBW-N	02/04/2005	97,000	290	23,000	1,800	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000	---	4.50	---	---
TBW-N	03/02/2005	94,000	360	24,000	2,000	19,000	1,200	<1,000	<400	<400	<400	<100	<100	<10,000	---	4.11	---	---
TBW-N	04/12/2005	27,000	130	9,300	1,100	8,700	1,400	390	<100	<100	<20	<25	<25	<2,500	---	4.08	---	---
TBW-N	05/13/2005	42,000	130	8,700	1,500	12,000	1,400	440	<100	<100	<100	<25	<25	<2,500	---	4.45	---	---
TBW-N	06/10/2005	46,000	63	5,500	1,300	11,000	500	<250	<100	<100	<100	<25	<25	<2,500	---	4.97	---	---
TBW-N	07/15/2005	48,000	88	8,400	1,300	9,500	660	310	<100	<100	<100	<25	<25	<2,500	---	5.18	---	---
TBW-N	08/17/2005	36,000 a	85 a	8,500 a	1,200 a	11,000 a	510 a	<500 a	<200 a	<200 a	<200 a	<50 a	<50 a	<5,000 a	18.08	5.28	---	12.80
TBW-N	09/15/2005	20,000	59	2,400	730	9,300	600	500	<40	<40	<40	---	---	<1,000	18.08	5.92	---	12.16
TBW-N	10/17/2005	59,000	58	4,900	1,200	16,000	490	<250	<100	<100	<100	<25	<25	<2,500	18.08	5.96	---	12.12
TBW-N	11/22/2005	105,000	41.3	8,750	1,550	18,300	443	248	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.82	---	12.26
TBW-N	12/09/2005	65,900	43.4	5,110	1,110	13,500	493	259	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.60	---	12.48
TBW-N	01/05/2006	80,100	33.8	4,910	1,620	19,400	410	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.44	---	13.64
TBW-N	02/24/2006	56,000 b/60,000 d	15	2,700	1,000	12,000	270	180	<15	<15	<15	<15	<15	<150	18.08	4.67	---	13.41
TBW-N	03/08/2006	60,200	23.4	3,820	1,370	16,500	293	93.8	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.18	---	13.90
TBW-N	04/13/2006	73,000	21.8	2,900	1,220	14,600	277	68.5	<0.500	<0.500	<0.500	<0.500	<0.500	<500	18.08	3.49	---	14.59
TBW-N	05/30/2006	59,300	18.7	1,170	1,800	10,200	119 e	<10.0	<0.500	<0.500	<0.500	0.860	<0.500	<50.0	18.08	4.52	---	13.56

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	Date	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)	1,2-DCA (µg/L)	EDB (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	SPH Thickness (ft)	GW Elevation (ft MSL)
TBW-N	06/05/2006	83,700	16.0	1,510	2,090	11,400	146 e	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.55	---	13.53
TBW-N	07/19/2006	80,100	16.4	632	1,550	13,900	85.7	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.99	---	13.09
TBW-N	08/30/2006	52,700	18.2	747	1,900	13,400	82.9	<100	<5.00	<5.00	<5.00	<5.00	<5.00	<500	18.08	5.47	---	12.61
TBW-N	09/06/2006	77,500	21.3	1,100	1,650	11,800	116	12.4	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.39	---	12.69
TBW-N	10/13/2006	33,000	22	1,300	1,700	27,000	160	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.57	---	12.51
TBW-N	11/22/2006	36,000	18	680	1,200	14,000	110	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.65	---	12.43
TBW-N	12/12/2006	34,000	<25	330	1,400	11,000	89	<1,000	<25	<25	<25	<25	<25	<5,000	18.08	5.34	---	12.74
TBW-N	01/05/2007	26,000 g	16	450	1,400	13,000 f	96	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.23	---	12.85
TBW-N	02/23/2007	41,000	<25	400	1,500	15,000	120	<250	<100	<100	<100	<25	<25	<2,500	18.08	4.96	---	13.12
TBW-N	03/08/2007	15,000	<25	320	1,300	15,000	110	<250	<100	<100	<100	<25	<25	<2,500	18.08	4.93	---	13.15
TBW-N	04/06/2007	24,000 h	15	360	1,100	12,300	130	<50	<10	<10	<10	<2.5	---	<500	18.08	5.07	---	13.01
TBW-N	05/18/2007	30,000 h	15 j	140	1,100	9,960	100	<50	<100	<100	<100	<25	<50	<5,000	18.08	5.25	---	12.83
TBW-N	06/11/2007	26,000 h	15 j	160	1,300	9,150	120	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.33	---	12.75
TBW-N	07/03/2007	36,000 h	9.3 j	150	990	8,400	130	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.46	---	12.62
TBW-N	08/10/2007	24,000 h	14	200	1,200	5,240	120	<200	<40	<40	<40	<10	<20	<2,000	18.08	5.78	---	12.30
TBW-N	09/25/2007	28,000 h	15	560	1,400	7,600	<20	160 j	<40	<40	<40	<10	<20	<2,000	18.08	6.02	---	12.06
TBW-N	11/09/2007	42,000 h	18	610	1,700	14,500	140	<250	<50	<50	<50	<12	<25	<2,500	18.08	5.91	0.01	12.18
TBW-N	02/08/2008	36,000 h	<25	450	1,400	15,100	97	<500	<100	<100	<100	<25	<50	<5,000	18.08	4.79	---	13.29
TBW-N	05/16/2008	26,000	80	99	970	5,130	130	<500	<100	<100	<100	---	---	---	18.08	5.50	---	12.58
TBW-N	08/15/2008	24,000	<25	1,300	1,300	2,400	90	<500	<100	<100	<100	<25	<50	<5,000	18.08	6.59	---	11.49
TBW-N	11/26/2008	24,000	<25	140	810	5,580	52	<500	<100	<100	<100	<25	<50	<5,000	18.08	7.40	---	10.68
TBW-N	02/27/2009	22,000	<25	110	520	5,000	<50	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.86	---	12.22
TBW-N	05/28/2009	32,000	8.9	160	860	5,600	53	160	<10	<10	<10	---	---	---	18.08	5.50	---	12.58
TBW-N	09/14/2009	28,000	10	110	890	4,700	60	<200	<40	<40	<40	<10	<20	<2000	18.08	6.31	---	11.77
TBW-N	02/05/2010	27,000	<10	71	630	4,900	28	<200	<40	<40	<40	<10	<20	<2000	18.08	5.28	---	12.80
TBW-N	08/03/2010	20,000	9.8	46	130	890	64	<100	<20	<20	<20	<5.0	<10	<1000	18.08	5.75	---	12.33
TBW-N	02/14/2011	15,000	7.5	38	320	1,800	18	<10	<10	<10	<10	<5.0	<5.0	<1500	18.08	5.40	---	12.68
TBW-N	08/04/2011	11,000	5.7	26	77	120	21	12	<1.0	<1.0	<1.0	<0.50	<0.50	<150	18.08	5.43	---	12.65
TBW-N	02/02/2012	11,000	4.8	15	150	200	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<150	18.08	6.27	---	11.81
TBW-N	**08/13/2012**	**7,400**	**6.3**	**8.5**	**100**	**65**	**<0.50**	**17**	**---**	**---**	**---**	**<0.50**	**<0.50**	**<150**	**18.08**	**6.20**	**---**	**11.88**
TBW-S	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.18	---	---
TBW-S	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.87	---	---
TBW-S	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.15	---	---

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	*Date*	*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)*	*1,2-DCA (µg/L)*	*EDB (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*SPH Thickness (ft)*	*GW Elevation (ft MSL)*
TBW-S	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.38	---	---
TBW-S	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.81	---	---
TBW-S	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.35	---	---
TBW-W	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.14	---	---
TBW-W	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.86	---	---
TBW-W	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.13	---	---
TBW-W	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.37	---	---
TBW-W	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.79	---	---
TBW-W	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.32	---	---

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
EDB = Ethylene dibromide analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B
TOC = Top of casing elevation, in feet relative to mean sea level
SPH = Separate-phase hydrocarbon
GW = Groundwater
µg/L = Micrograms per liter
<x = Not detected at reporting limit x
--- = Not analyzed or available

a = Extracted out of holding time.
b = Result with a carbon range of C4-C12.
c = Result may be biased slightly high. See lab report case narrative.
d = Result with a carbon range of C6-C12.
e = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA

Well ID	*Date*	*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)	*1,2-DCA* (µg/L)	*EDB* (µg/L)	*Ethanol* (µg/L)	*TOC* (ft MSL)	*Depth to Water* (ft TOC)	*SPH Thickness* (ft)	*GW Elevation* (ft MSL)

f = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
g = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
h = Analyzed by EPA Method 8015B (M).
i = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Well TBW-N surveyed September 1, 2005 by Virgil Chavez Land Surveying
Wells S-2 through S-7 surveyed on November 30, 2005 by Virgil Chavez Land Surveying
Wells S-4B and S-7 through S-9 surveyed on August 17, 2006 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. – FIELD NOTES

WELL GAUGING DATA

Project # 120813-Dw1 Date 8/13/12 Client Shell

Site 1601 Webster St., Alameda 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
TBW-N	0921	4					6.20	10.60		
S-2	0830	4					7.85	11.70		
S-3	0849	4					7.35	11.70		
S-4	0836	4					6.35	11.40		
S-4B	0839	4					7.83	19.90		
S-5	0845	4					6.70	11.30		
S-6	0853	4					7.16	11.45		
S-7	0858	4					7.14	11.00		
S-8	0911	4					7.84	11.80		
S-9	0904	4					7.27	11.90		

SHELL WELL MONITORING DATA SHEET

BTS #: 120813-DW-1	Site: 1601 Webster St., Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: MW TBW-N	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 10.60	Depth to Water (DTW): 6.20
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]: 7.08	

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

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

3.0 (Gals.) X	3	=	9.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1103	74.2	6.74	660.1	91	3.0	
1104	74.2	6.58	657.3	42	6.0	
1104	74.3	6.52	652.9	24	9.0	

Did well dewater? Yes (No) Gallons actually evacuated: 9.0

Sampling Date: 8/13/12 Sampling Time: 1110 Depth to Water: 6.25

Sample I.D.: DW TBW-N 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 #: 120813-DW-1	Site: 1601 Webster St., Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 11.70	Depth to Water (DTW): 7.85
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]: 8.62	

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: ____

2.5 (Gals.) X	3	= 7.5 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
0933	74.5	6.57	662.7	38	2.5	
0933	well	dewatered	@ 3.0	gals		
1125	74.1	7.00	651.2	81	Grab	

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

Sampling Date: 8/13/12 Sampling Time: 1125 Depth to Water: 7.93

Sample I.D.: S-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 #: 120813-DW-1	Site: 1601 Webster St, Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.70	Depth to Water (DTW): 7.35
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]: 8.22	

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: ___

2.8 (Gals.) X 3 = 8.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0944	74.0	6.78	602.6	17	2.8	
0944	well dewatered @ 3.0 gals					
1135	74.2	7.04	634.8	53	Grab	

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

Sampling Date: 8/13/12 Sampling Time: 1135 Depth to Water: 7.41

Sample I.D.: S-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 #: 120813-DW-1	Site: 1601 Webster St., Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.40	Depth to Water (DTW): 6.35
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]: 7.36	

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

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

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

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
1002	75.8	6.71	296.2	16	3.3	
1003	well	dewatered	@ 4.0	gals		
1155	74.7	7.15	320.3	24	Grab	

Did well dewater? Yes No Gallons actually evacuated: 4

Sampling Date: 8/13/12 Sampling Time: 1155 Depth to Water: 6.47

Sample I.D.: S-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 #: 120813-DW-1	Site: 1601 Webster St., Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-46	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.90	Depth to Water (DTW): 7.83
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]: 10.24	

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

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

1 Case Volume		Specified Volumes		Calculated Volume
7.8	(Gals.) X	3	=	23.4 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0954	73.3	6.67	508.4	19	7.8	
0955	well dewatered		@ 10.0 gals			
1145	73.3	6.85	595.0	53	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 10.0

Sampling Date: 8/13/12 Sampling Time: 1145 Depth to Water: 8.11

Sample I.D.: S-46 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 #: 120813-DW-1	Site: 1601 Webster St., Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.30	Depth to Water (DTW): 6.70
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]: 7.62	

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: ___

1 Case Volume		Specified Volumes		Calculated Volume
3.0 (Gals.) X		3	=	9.0 Gals.

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
1015	73.9	6.61	365.7	16	3.0	
1015	well dewatered @ 4.0 gals					
1210	72.6	6.91	403.7	58	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 4.0

Sampling Date: 8/13/12 Sampling Time: 1210 Depth to Water: 6.75

Sample I.D.: S-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 #: 120813-DW-1	Site: 1601 Webster St, Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 11.45	Depth to Water (DTW): 7.16
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.02	

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

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

2.8 (Gals.) X	3	= 8.4 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
1026	74.6	6.76	947.6	22	2.8	
1026	well	dewatered	@ 3.0 gals			
1220	75.2	6.65	1007	32	Grab	

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

Sampling Date: 8/13/12 Sampling Time: 1220 Depth to Water: 7.20

Sample I.D.: S-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

SHELL WELL MONITORING DATA SHEET

BTS #: 120813-DW-1	Site: 1601 Webster St., Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.00	Depth to Water (DTW): 7.14
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]: 7.91	

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

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

2.5 (Gals.) X	3	=	7.5 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
1035	74.6	6.37	1304	21	2.5	
1035	well	dewatered		@ 3.0	gals	
1230	76.9	6.49	1373	21	Grab	

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

Sampling Date: 8/13/12 Sampling Time: 1230 Depth to Water: 7.26

Sample I.D.: S-7 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 #: 120813-DW-1	Site: 1601 Webster St, Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.80	Depth to Water (DTW): 7.84
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]: 8.63	

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

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

2.6 (Gals.) X	3	=	7.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1053	74.9	6.52	1096	32	2.6	
1053	well	dewatered @			3.0 gals	
1300	75.1	6.58	1213	77	Grab	

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

Sampling Date: 8/13/12 Sampling Time: 1300 Depth to Water: 7.90

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120813-DW-1	Site: 1601 Webster St., Alameda
Sampler: DW	Date: 8/13/12
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.90	Depth to Water (DTW): 7.27
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]: 8.20	

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

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

3.0 (Gals.) X 3 = 9.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1044	75.1	6.52	1368	28	3.0	
1045	well dewatered @ 3.5 gals					
1245	76.6	6.59	1330	55	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 3.5

Sampling Date: 8/13/12 Sampling Time: 1245 Depth to Water: 7.31

Sample I.D.: S-9 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 # 97564701

DATE: 8/13/12

ADDRESS 1601 Webster St.

CITY & STATE Alameda 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
BW-N	Standpipe	Flush	G	P	Size (inch) 36		Y	N	G	R	G	R	NL	G	P		Y	N	
S-2	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
S-3	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
S-4	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
S-4B	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
S-5	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
S-6	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
S-7	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
S-8	Standpipe	Flush	G	P	Size (inch) 12		Y	N	G	R	G	R	NL	G	P		Y	N	
S-9	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	
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	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

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

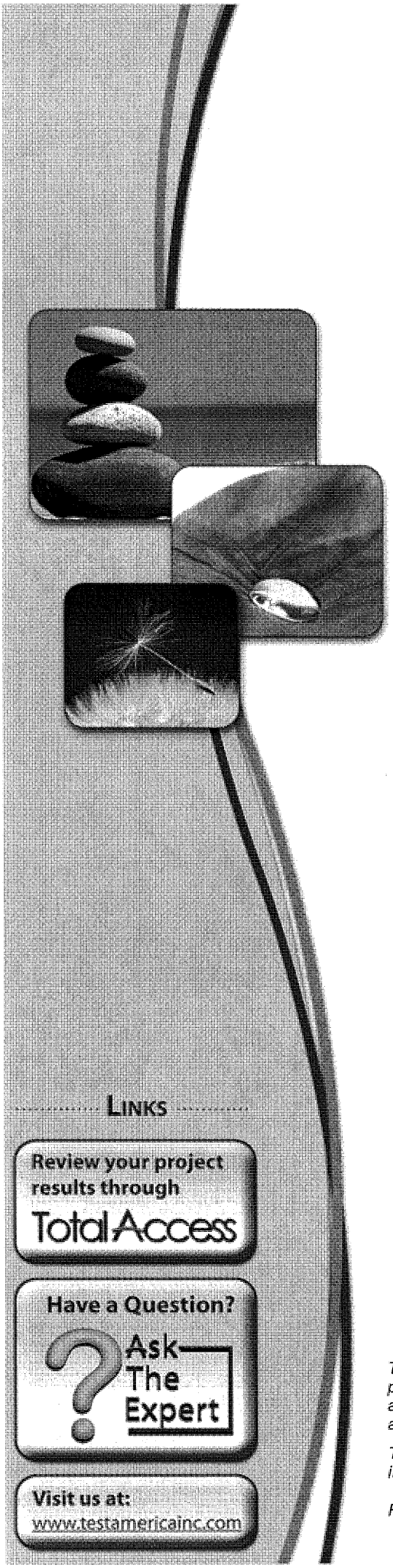
Site Address 1601 Webster St. Alameda | Date 5/8/12

Job Number 120508-BW3 | 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	Notes	Well box type / size	Materials used
S-8																	X			Installed Tag	12" Emco	
S-9																	X			Installed Tag	12" Emco	

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: 440-20770-1
Client Project/Site: 1601 Webster St., Alameda, CA

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

Attn: Peter Schaefer

Philip Sanelle

Authorized for release by:
8/29/2012 10:12:24 AM

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

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-20770-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-20770-1	TBW-N	Water	08/13/12 11:10	08/16/12 09:45
440-20770-2	S-2	Water	08/13/12 11:25	08/16/12 09:45
440-20770-3	S-3	Water	08/13/12 11:35	08/16/12 09:45
440-20770-4	S-4	Water	08/13/12 11:55	08/16/12 09:45
440-20770-5	S-4B	Water	08/13/12 11:45	08/16/12 09:45
440-20770-6	S-5	Water	08/13/12 12:10	08/16/12 09:45
440-20770-7	S-6	Water	08/13/12 12:20	08/16/12 09:45
440-20770-8	S-7	Water	08/13/12 12:30	08/16/12 09:45
440-20770-9	S-8	Water	08/13/12 13:00	08/16/12 09:45
440-20770-10	S-9	Water	08/13/12 12:45	08/16/12 09:45

Job ID: 440-20770-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-20770-1

Comments
No additional comments.

Receipt
The samples were received on 8/16/2012 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 3 coolers at receipt time were 1.8° C, 3.0° C and 3.6° C.

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

VOA Prep
No analytical or quality issues were noted.

Client Sample ID: TBW-N

Lab Sample ID: 440-20770-1
Matrix: Water

Date Collected: 08/13/12 11:10
Date Received: 08/16/12 09:45

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)	7400		100		ug/L			08/24/12 16:46	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*08/24/12 16:46*	*2*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/24/12 16:46*	*2*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/24/12 16:46*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.3		0.50		ug/L			08/22/12 00:05	1
Toluene	8.5		0.50		ug/L			08/22/12 00:05	1
Ethylbenzene	100		0.50		ug/L			08/22/12 00:05	1
Xylenes, Total	65		1.0		ug/L			08/22/12 00:05	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/22/12 00:05	1
tert-Butyl alcohol (TBA)	17		10		ug/L			08/22/12 00:05	1
Ethanol	ND		150		ug/L			08/22/12 00:05	1
1,2-Dichloroethane	ND		0.50		ug/L			08/22/12 00:05	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			08/22/12 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*08/22/12 00:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/24/12 16:46*	*2*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*08/22/12 00:05*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*08/24/12 16:46*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/22/12 00:05*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/24/12 16:46*	*2*

Client Sample ID: S-2

Lab Sample ID: 440-20770-2
Matrix: Water

Date Collected: 08/13/12 11:25
Date Received: 08/16/12 09:45

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			08/21/12 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/21/12 22:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/21/12 22:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/21/12 22:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/21/12 22:38	1
Toluene	ND		0.50		ug/L			08/21/12 22:38	1
Ethylbenzene	ND		0.50		ug/L			08/21/12 22:38	1
Xylenes, Total	ND		1.0		ug/L			08/21/12 22:38	1
Methyl-t-Butyl Ether (MTBE)	1.1		0.50		ug/L			08/21/12 22:38	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/21/12 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/21/12 22:38*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/21/12 22:38*	*1*

Client Sample ID: S-2

Lab Sample ID: 440-20770-2

Date Collected: 08/13/12 11:25
Date Received: 08/16/12 09:45

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/21/12 22:38*	*1*

Client Sample ID: S-3

Lab Sample ID: 440-20770-3

Date Collected: 08/13/12 11:35
Date Received: 08/16/12 09:45

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			08/22/12 00:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*08/22/12 00:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/22/12 00:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/22/12 00:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/22/12 00:35	1
Toluene	ND		0.50		ug/L			08/22/12 00:35	1
Ethylbenzene	ND		0.50		ug/L			08/22/12 00:35	1
Xylenes, Total	ND		1.0		ug/L			08/22/12 00:35	1
Methyl-t-Butyl Ether (MTBE)	**0.51**		0.50		ug/L			08/22/12 00:35	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/22/12 00:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/22/12 00:35*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*08/22/12 00:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/22/12 00:35*	*1*

Client Sample ID: S-4

Lab Sample ID: 440-20770-4

Date Collected: 08/13/12 11:55
Date Received: 08/16/12 09:45

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			08/22/12 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/22/12 01:04*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/22/12 01:04*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/22/12 01:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/22/12 01:04	1
Toluene	ND		0.50		ug/L			08/22/12 01:04	1
Ethylbenzene	ND		0.50		ug/L			08/22/12 01:04	1
Xylenes, Total	ND		1.0		ug/L			08/22/12 01:04	1
Methyl-t-Butyl Ether (MTBE)	**0.68**		0.50		ug/L			08/22/12 01:04	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/22/12 01:04	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/22/12 01:04	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/22/12 01:04	1

Client Sample ID: S-4

Lab Sample ID: 440-20770-4

Date Collected: 08/13/12 11:55
Date Received: 08/16/12 09:45

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/22/12 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/22/12 01:04*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/22/12 01:04*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/22/12 01:04*	*1*

Client Sample ID: S-4B

Lab Sample ID: 440-20770-5

Date Collected: 08/13/12 11:45
Date Received: 08/16/12 09:45

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			08/22/12 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*08/22/12 01:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/22/12 01:33*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/22/12 01:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/22/12 01:33	1
Toluene	ND		0.50		ug/L			08/22/12 01:33	1
Ethylbenzene	ND		0.50		ug/L			08/22/12 01:33	1
Xylenes, Total	ND		1.0		ug/L			08/22/12 01:33	1
Methyl-t-Butyl Ether (MTBE)	**0.95**		0.50		ug/L			08/22/12 01:33	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/22/12 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/22/12 01:33*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*08/22/12 01:33*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/22/12 01:33*	*1*

Client Sample ID: S-5

Lab Sample ID: 440-20770-6

Date Collected: 08/13/12 12:10
Date Received: 08/16/12 09:45

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			08/22/12 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/22/12 02:02*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/22/12 02:02*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/22/12 02:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/22/12 02:02	1
Toluene	ND		0.50		ug/L			08/22/12 02:02	1
Ethylbenzene	ND		0.50		ug/L			08/22/12 02:02	1
Xylenes, Total	ND		1.0		ug/L			08/22/12 02:02	1

Client Sample ID: S-5

Lab Sample ID: 440-20770-6

Date Collected: 08/13/12 12:10
Date Received: 08/16/12 09:45

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/22/12 02:02	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/22/12 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/22/12 02:02*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/22/12 02:02*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/22/12 02:02*	*1*

Client Sample ID: S-6

Lab Sample ID: 440-20770-7

Date Collected: 08/13/12 12:20
Date Received: 08/16/12 09:45

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)	320		50		ug/L			08/22/12 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/22/12 02:31*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/22/12 02:31*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/22/12 02:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/22/12 02:31	1
Toluene	ND		0.50		ug/L			08/22/12 02:31	1
Ethylbenzene	ND		0.50		ug/L			08/22/12 02:31	1
Xylenes, Total	ND		1.0		ug/L			08/22/12 02:31	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/22/12 02:31	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/22/12 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/22/12 02:31*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/22/12 02:31*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/22/12 02:31*	*1*

Client Sample ID: S-7

Lab Sample ID: 440-20770-8

Date Collected: 08/13/12 12:30
Date Received: 08/16/12 09:45

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)	3000		200		ug/L			08/23/12 16:59	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*08/23/12 16:59*	*4*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/23/12 16:59*	*4*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/23/12 16:59*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	220		2.0		ug/L			08/23/12 16:59	4

Client Sample ID: S-7

Lab Sample ID: 440-20770-8

Date Collected: 08/13/12 12:30
Date Received: 08/16/12 09:45

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**14**		2.0		ug/L			08/23/12 16:59	4
Ethylbenzene	**8.9**		2.0		ug/L			08/23/12 16:59	4
Xylenes, Total	**15**		4.0		ug/L			08/23/12 16:59	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/L			08/23/12 16:59	4
tert-Butyl alcohol (TBA)	ND		40		ug/L			08/23/12 16:59	4
Isopropyl Ether (DIPE)	ND		2.0		ug/L			08/23/12 16:59	4
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			08/23/12 16:59	4
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			08/23/12 16:59	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/23/12 16:59*	*4*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*08/23/12 16:59*	*4*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/23/12 16:59*	*4*

Client Sample ID: S-8

Lab Sample ID: 440-20770-9

Date Collected: 08/13/12 13:00
Date Received: 08/16/12 09:45

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)	**7100**		500		ug/L			08/22/12 03:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/22/12 03:29*	*10*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/22/12 03:29*	*10*
Toluene-d8 (Surr)	*106*		*80 - 120*		*08/22/12 03:29*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1100**		5.0		ug/L			08/22/12 03:29	10
Toluene	ND		5.0		ug/L			08/22/12 03:29	10
Ethylbenzene	**55**		5.0		ug/L			08/22/12 03:29	10
Xylenes, Total	**21**		10		ug/L			08/22/12 03:29	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/L			08/22/12 03:29	10
tert-Butyl alcohol (TBA)	ND		100		ug/L			08/22/12 03:29	10
Isopropyl Ether (DIPE)	ND		5.0		ug/L			08/22/12 03:29	10
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/L			08/22/12 03:29	10
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/L			08/22/12 03:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/22/12 03:29*	*10*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/22/12 03:29*	*10*
Toluene-d8 (Surr)	*106*		*80 - 120*		*08/22/12 03:29*	*10*

Client Sample ID: S-9

Lab Sample ID: 440-20770-10

Date Collected: 08/13/12 12:45
Date Received: 08/16/12 09:45

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)	**4200**		250		ug/L			08/22/12 03:58	5

Client Sample ID: S-9
Date Collected: 08/13/12 12:45
Date Received: 08/16/12 09:45

Lab Sample ID: 440-20770-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/22/12 03:58*	*5*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/22/12 03:58*	*5*
Toluene-d8 (Surr)	*107*		*80 - 120*		*08/22/12 03:58*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**370**		2.5		ug/L			08/22/12 03:58	5
Toluene	**18**		2.5		ug/L			08/22/12 03:58	5
Ethylbenzene	**48**		2.5		ug/L			08/22/12 03:58	5
Xylenes, Total	**66**		5.0		ug/L			08/22/12 03:58	5
Methyl-t-Butyl Ether (MTBE)	ND		2.5		ug/L			08/22/12 03:58	5
tert-Butyl alcohol (TBA)	ND		50		ug/L			08/22/12 03:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/22/12 03:58*	*5*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/22/12 03:58*	*5*
Toluene-d8 (Surr)	*107*		*80 - 120*		*08/22/12 03:58*	*5*

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-20770-1

Client Sample ID: TBW-N

Lab Sample ID: 440-20770-1

Date Collected: 08/13/12 11:10
Date Received: 08/16/12 09:45

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	46897	08/22/12 00:05	YK	TAL IRV
Total/NA	Analysis	8260B		2	10 mL	10 mL	47558	08/24/12 16:46	SS	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		2	10 mL	10 mL	47559	08/24/12 16:46	SS	TAL IRV

Client Sample ID: S-2

Lab Sample ID: 440-20770-2

Date Collected: 08/13/12 11:25
Date Received: 08/16/12 09:45

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	46897	08/21/12 22:38	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	46898	08/21/12 22:38	YK	TAL IRV

Client Sample ID: S-3

Lab Sample ID: 440-20770-3

Date Collected: 08/13/12 11:35
Date Received: 08/16/12 09:45

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	46897	08/22/12 00:35	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	46898	08/22/12 00:35	YK	TAL IRV

Client Sample ID: S-4

Lab Sample ID: 440-20770-4

Date Collected: 08/13/12 11:55
Date Received: 08/16/12 09:45

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	46897	08/22/12 01:04	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	46898	08/22/12 01:04	YK	TAL IRV

Client Sample ID: S-4B

Lab Sample ID: 440-20770-5

Date Collected: 08/13/12 11:45
Date Received: 08/16/12 09:45

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	46897	08/22/12 01:33	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	46898	08/22/12 01:33	YK	TAL IRV

Client Sample ID: S-5

Lab Sample ID: 440-20770-6

Date Collected: 08/13/12 12:10
Date Received: 08/16/12 09:45

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	46897	08/22/12 02:02	YK	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-20770-1

Client Sample ID: S-5

Lab Sample ID: 440-20770-6

Date Collected: 08/13/12 12:10
Date Received: 08/16/12 09:45

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/CA_LUFTMS		1	10 mL	10 mL	46898	08/22/12 02:02	YK	TAL IRV

Client Sample ID: S-6

Lab Sample ID: 440-20770-7

Date Collected: 08/13/12 12:20
Date Received: 08/16/12 09:45

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	46897	08/22/12 02:31	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	46898	08/22/12 02:31	YK	TAL IRV

Client Sample ID: S-7

Lab Sample ID: 440-20770-8

Date Collected: 08/13/12 12:30
Date Received: 08/16/12 09:45

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		4	10 mL	10 mL	47274	08/23/12 16:59	LB	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		4	10 mL	10 mL	47275	08/23/12 16:59	BC	TAL IRV

Client Sample ID: S-8

Lab Sample ID: 440-20770-9

Date Collected: 08/13/12 13:00
Date Received: 08/16/12 09:45

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		10	10 mL	10 mL	46897	08/22/12 03:29	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		10	10 mL	10 mL	46898	08/22/12 03:29	YK	TAL IRV

Client Sample ID: S-9

Lab Sample ID: 440-20770-10

Date Collected: 08/13/12 12:45
Date Received: 08/16/12 09:45

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		5	10 mL	10 mL	46897	08/22/12 03:58	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		5	10 mL	10 mL	46898	08/22/12 03:58	YK	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 440-46897/4
Matrix: Water
Analysis Batch: 46897

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/21/12 21:11	1
Toluene	ND		0.50		ug/L			08/21/12 21:11	1
Ethylbenzene	ND		0.50		ug/L			08/21/12 21:11	1
Xylenes, Total	ND		1.0		ug/L			08/21/12 21:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/21/12 21:11	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/21/12 21:11	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/21/12 21:11	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/21/12 21:11	1
Ethanol	ND		150		ug/L			08/21/12 21:11	1
1,2-Dichloroethane	ND		0.50		ug/L			08/21/12 21:11	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/21/12 21:11	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			08/21/12 21:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*08/21/12 21:11*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*08/21/12 21:11*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/21/12 21:11*	*1*

Lab Sample ID: LCS 440-46897/5
Matrix: Water
Analysis Batch: 46897

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	26.4		ug/L		106	70 - 120
Toluene	25.0	25.6		ug/L		102	70 - 120
Ethylbenzene	25.0	25.7		ug/L		103	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	24.9		ug/L		100	60 - 135
Isopropyl Ether (DIPE)	25.0	26.0		ug/L		104	60 - 135
Ethyl-t-butyl ether (ETBE)	25.0	24.5		ug/L		98	65 - 135
tert-Butyl alcohol (TBA)	125	141		ug/L		113	70 - 135
m,p-Xylene	50.0	51.5		ug/L		103	75 - 125
Ethanol	250	278		ug/L		111	40 - 155
o-Xylene	25.0	25.4		ug/L		102	75 - 125
1,2-Dichloroethane	25.0	22.8		ug/L		91	60 - 140
Tert-amyl-methyl ether (TAME)	25.0	25.4		ug/L		102	60 - 135
1,2-Dibromoethane (EDB)	25.0	26.7		ug/L		107	75 - 125

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

Lab Sample ID: 440-20770-2 MS
Matrix: Water
Analysis Batch: 46897

Client Sample ID: S-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	26.8		ug/L		107	65 - 125
Toluene	ND		25.0	26.5		ug/L		106	70 - 125

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

Lab Sample ID: 440-20770-2 MS
Matrix: Water
Analysis Batch: 46897

Client Sample ID: S-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	ND		25.0	27.3		ug/L		109	65 - 130
Methyl-t-Butyl Ether (MTBE)	1.1		25.0	26.0		ug/L		100	55 - 145
Isopropyl Ether (DIPE)	ND		25.0	26.4		ug/L		105	60 - 140
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.6		ug/L		98	60 - 135
tert-Butyl alcohol (TBA)	ND		125	144		ug/L		115	65 - 140
m,p-Xylene	ND		50.0	54.4		ug/L		109	65 - 130
Ethanol	ND		250	286		ug/L		114	40 - 155
o-Xylene	ND		25.0	26.6		ug/L		106	65 - 125
1,2-Dichloroethane	ND		25.0	23.3		ug/L		93	60 - 140
Tert-amyl-methyl ether (TAME)	ND		25.0	24.8		ug/L		99	60 - 140
1,2-Dibromoethane (EDB)	ND		25.0	26.7		ug/L		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 440-20770-2 MSD
Matrix: Water
Analysis Batch: 46897

Client Sample ID: S-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	26.8		ug/L		107	65 - 125	0	20
Toluene	ND		25.0	26.1		ug/L		104	70 - 125	1	20
Ethylbenzene	ND		25.0	26.2		ug/L		105	65 - 130	4	20
Methyl-t-Butyl Ether (MTBE)	1.1		25.0	25.3		ug/L		97	55 - 145	3	25
Isopropyl Ether (DIPE)	ND		25.0	25.6		ug/L		102	60 - 140	3	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	23.9		ug/L		96	60 - 135	3	25
tert-Butyl alcohol (TBA)	ND		125	140		ug/L		112	65 - 140	3	25
m,p-Xylene	ND		50.0	52.3		ug/L		105	65 - 130	4	25
Ethanol	ND		250	279		ug/L		112	40 - 155	2	30
o-Xylene	ND		25.0	25.9		ug/L		103	65 - 125	3	20
1,2-Dichloroethane	ND		25.0	23.5		ug/L		94	60 - 140	1	20
Tert-amyl-methyl ether (TAME)	ND		25.0	24.0		ug/L		96	60 - 140	3	30
1,2-Dibromoethane (EDB)	ND		25.0	26.5		ug/L		106	70 - 130	1	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 440-47274/4
Matrix: Water
Analysis Batch: 47274

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/23/12 09:13	1
Toluene	ND		0.50		ug/L			08/23/12 09:13	1
Ethylbenzene	ND		0.50		ug/L			08/23/12 09:13	1

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

Lab Sample ID: MB 440-47274/4
Matrix: Water
Analysis Batch: 47274

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0		ug/L			08/23/12 09:13	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/23/12 09:13	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			08/23/12 09:13	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			08/23/12 09:13	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/23/12 09:13	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			08/23/12 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/23/12 09:13*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/23/12 09:13*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/23/12 09:13*	*1*

Lab Sample ID: LCS 440-47274/5
Matrix: Water
Analysis Batch: 47274

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.2		ug/L		101	70 - 120
Toluene	25.0	27.5		ug/L		110	70 - 120
Ethylbenzene	25.0	26.6		ug/L		107	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	28.9		ug/L		116	60 - 135
Isopropyl Ether (DIPE)	25.0	29.9		ug/L		120	60 - 135
Ethyl-t-butyl ether (ETBE)	25.0	28.4		ug/L		114	65 - 135
tert-Butyl alcohol (TBA)	125	134		ug/L		107	70 - 135
m,p-Xylene	50.0	53.8		ug/L		108	75 - 125
o-Xylene	25.0	25.8		ug/L		103	75 - 125
Tert-amyl-methyl ether (TAME)	25.0	28.4		ug/L		114	60 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 440-21129-B-1 MS
Matrix: Water
Analysis Batch: 47274

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	23.7		ug/L		95	65 - 125
Toluene	ND		25.0	25.7		ug/L		103	70 - 125
Ethylbenzene	ND		25.0	26.3		ug/L		105	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	23.8		ug/L		95	55 - 145
Isopropyl Ether (DIPE)	ND		25.0	24.7		ug/L		99	60 - 140
Ethyl-t-butyl ether (ETBE)	ND		25.0	23.6		ug/L		95	60 - 135
tert-Butyl alcohol (TBA)	ND		125	134		ug/L		107	65 - 140
m,p-Xylene	ND		50.0	52.4		ug/L		105	65 - 130
o-Xylene	ND		25.0	25.3		ug/L		101	65 - 125
Tert-amyl-methyl ether (TAME)	ND		25.0	23.7		ug/L		95	60 - 140

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

Lab Sample ID: 440-21129-B-1 MS
Matrix: Water
Analysis Batch: 47274

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 440-21129-B-1 MSD
Matrix: Water
Analysis Batch: 47274

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	24.4		ug/L		97	65 - 125	3	20
Toluene	ND		25.0	26.2		ug/L		105	70 - 125	2	20
Ethylbenzene	ND		25.0	27.0		ug/L		108	65 - 130	3	20
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.6		ug/L		102	55 - 145	7	25
Isopropyl Ether (DIPE)	ND		25.0	25.2		ug/L		101	60 - 140	2	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.4		ug/L		98	60 - 135	3	25
tert-Butyl alcohol (TBA)	ND		125	135		ug/L		108	65 - 140	0	25
m,p-Xylene	ND		50.0	53.9		ug/L		108	65 - 130	3	25
o-Xylene	ND		25.0	25.6		ug/L		102	65 - 125	1	20
Tert-amyl-methyl ether (TAME)	ND		25.0	24.5		ug/L		98	60 - 140	3	30

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

Lab Sample ID: MB 440-47558/4
Matrix: Water
Analysis Batch: 47558

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			08/24/12 08:54	1
Toluene	ND		0.50		ug/L			08/24/12 08:54	1
Ethylbenzene	ND		0.50		ug/L			08/24/12 08:54	1
Xylenes, Total	ND		1.0		ug/L			08/24/12 08:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			08/24/12 08:54	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			08/24/12 08:54	1
Ethanol	ND		150		ug/L			08/24/12 08:54	1
1,2-Dichloroethane	ND		0.50		ug/L			08/24/12 08:54	1
1,2-Dibromoethane (EDB)	ND		0.50		ug/L			08/24/12 08:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/24/12 08:54*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/24/12 08:54*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/24/12 08:54*	*1*

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

Lab Sample ID: LCS 440-47558/5
Matrix: Water
Analysis Batch: 47558

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.7		ug/L		95	70 - 120
Toluene	25.0	25.7		ug/L		103	70 - 120
Ethylbenzene	25.0	24.4		ug/L		98	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	26.6		ug/L		106	60 - 135
tert-Butyl alcohol (TBA)	125	119		ug/L		95	70 - 135
m,p-Xylene	50.0	48.8		ug/L		98	75 - 125
Ethanol	250	252		ug/L		101	40 - 155
o-Xylene	25.0	23.9		ug/L		96	75 - 125
1,2-Dichloroethane	25.0	23.7		ug/L		95	60 - 140
1,2-Dibromoethane (EDB)	25.0	25.9		ug/L		104	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 440-21170-C-2 MS
Matrix: Water
Analysis Batch: 47558

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	23.9		ug/L		95	65 - 125
Toluene	ND		25.0	25.9		ug/L		103	70 - 125
Ethylbenzene	ND		25.0	25.7		ug/L		101	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.2		ug/L		101	55 - 145
tert-Butyl alcohol (TBA)	ND		125	129		ug/L		103	65 - 140
m,p-Xylene	ND		50.0	50.7		ug/L		101	65 - 130
Ethanol	ND		250	233		ug/L		93	40 - 155
o-Xylene	ND		25.0	24.7		ug/L		99	65 - 125
1,2-Dichloroethane	ND		25.0	22.9		ug/L		92	60 - 140
1,2-Dibromoethane (EDB)	ND		25.0	26.8		ug/L		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 440-21170-C-2 MSD
Matrix: Water
Analysis Batch: 47558

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	23.9		ug/L		96	65 - 125	0	20
Toluene	ND		25.0	25.8		ug/L		103	70 - 125	0	20
Ethylbenzene	ND		25.0	25.5		ug/L		100	65 - 130	1	20
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.8		ug/L		103	55 - 145	2	25
tert-Butyl alcohol (TBA)	ND		125	131		ug/L		105	65 - 140	2	25
m,p-Xylene	ND		50.0	50.4		ug/L		101	65 - 130	1	25
Ethanol	ND		250	241		ug/L		97	40 - 155	3	30

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

Lab Sample ID: 440-21170-C-2 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 47558

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	ND		25.0	25.0		ug/L		100	65 - 125	1	20
1,2-Dichloroethane	ND		25.0	24.3		ug/L		97	60 - 140	6	20
1,2-Dibromoethane (EDB)	ND		25.0	27.3		ug/L		109	70 - 130	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

Lab Sample ID: MB 440-46898/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/21/12 21:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*08/21/12 21:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*08/21/12 21:11*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/21/12 21:11*	*1*

Lab Sample ID: LCS 440-46898/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	468		ug/L		94	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 440-20770-2 MS — **Client Sample ID: S-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1500		ug/L		87	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: 440-20770-2 MSD — **Client Sample ID: S-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 46898

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	1460		ug/L		85	50 - 145	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 440-47275/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 47275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/23/12 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/23/12 09:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/23/12 09:13*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/23/12 09:13*	*1*

Lab Sample ID: LCS 440-47275/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 47275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	504		ug/L		101	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 440-21129-B-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 47275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1330		ug/L		74	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

Lab Sample ID: 440-21129-B-1 MSD
Matrix: Water
Analysis Batch: 47275

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1380		ug/L		77	50 - 145	4	20

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

Lab Sample ID: MB 440-47559/4
Matrix: Water
Analysis Batch: 47559

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			08/24/12 08:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/24/12 08:54*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/24/12 08:54*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/24/12 08:54*	*1*

Lab Sample ID: LCS 440-47559/6
Matrix: Water
Analysis Batch: 47559

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	431		ug/L		86	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 440-21170-C-2 MS
Matrix: Water
Analysis Batch: 47559

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1320		ug/L		74	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*94*		*80 - 120*

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

Lab Sample ID: 440-21170-C-2 MSD
Matrix: Water
Analysis Batch: 47559

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1340		ug/L		76	50 - 145	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

GC/MS VOA

Analysis Batch: 46897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20770-1	TBW-N	Total/NA	Water	8260B	
440-20770-2	S-2	Total/NA	Water	8260B	
440-20770-2 MS	S-2	Total/NA	Water	8260B	
440-20770-2 MSD	S-2	Total/NA	Water	8260B	
440-20770-3	S-3	Total/NA	Water	8260B	
440-20770-4	S-4	Total/NA	Water	8260B	
440-20770-5	S-4B	Total/NA	Water	8260B	
440-20770-6	S-5	Total/NA	Water	8260B	
440-20770-7	S-6	Total/NA	Water	8260B	
440-20770-9	S-8	Total/NA	Water	8260B	
440-20770-10	S-9	Total/NA	Water	8260B	
LCS 440-46897/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-46897/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 46898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20770-2	S-2	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-2 MS	S-2	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-2 MSD	S-2	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-3	S-3	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-4	S-4	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-5	S-4B	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-6	S-5	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-7	S-6	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-9	S-8	Total/NA	Water	8260B/CA_LUFT MS	
440-20770-10	S-9	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-46898/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-46898/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 47274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20770-8	S-7	Total/NA	Water	8260B	
440-21129-B-1 MS	Matrix Spike	Total/NA	Water	8260B	
440-21129-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-47274/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-47274/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 47275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20770-8	S-7	Total/NA	Water	8260B/CA_LUFT MS	
440-21129-B-1 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 47275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-21129-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-47275/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-47275/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 47558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20770-1	TBW-N	Total/NA	Water	8260B	
440-21170-C-2 MS	Matrix Spike	Total/NA	Water	8260B	
440-21170-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-47558/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-47558/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 47559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-20770-1	TBW-N	Total/NA	Water	8260B/CA_LUFT MS	
440-21170-C-2 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-21170-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-47559/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-47559/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

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: 1601 Webster St., Alameda, CA

TestAmerica Job ID: 440-20770-1

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
Arizona	State Program	9	AZ0671	10-13-12
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	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

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: 240467 Peter Schaefer

PO #

INCIDENT # (ENV SERVICES) 9 7 5 6 4 7 0 1 ☐ CHECK IF NO INCIDENT # APPLIES

SAP # 1 3 5 0 3 2

DATE: 8/13/12
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
ADDRESS: 1680 Rogers Avenue, San Jose, CA
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King
TELEPHONE: (310) 885-4455 x 108 FAX: (310) 637-5802 E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 1601 Webster St., Alameda State: CA GLOBAL ID NO.: T0600137103
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.: 240467-95-12.021
SAMPLER NAME(S) (Print): Daniel Allen
LAB USE ONLY: 440-20770

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://cralabedduplead.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

☑ 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

LAB USE ONLY	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	HCl	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG-120813-DA	081312	DA	TBW-N	1110	WG	X					3	X				X				X	X	X		
	↓	↓	↓	S-2	1125	↓	X					3	X				X								
				S-3	1135		X					3	X				X								
				S-4	1150		X					3	X					X							
				S-4B	1145		X					3	X				X								
				S-5	1210		X					3	X				X								
				S-6	1220		X					3	X				X								
				S-7	1230		X					3	X					X							
				S-8	1300		X					3	X					X							
				S-9	1245		X					3	X				X								

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] (custodian)	8/13/12	1540
[signature] (Sample Cust)	[signature] (TAST)	08/15/12	1205
[signature]	[signature]	08/15/12	1250

[signature] 8/15/12 1450
[signature] 8-16-12 0945

2.4 3.6 4.2

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8/29/2012

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-20770-1

Login Number: 20770
List Number: 1
Creator: Perez, Angel

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.	N/A	
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	Daniel Allen
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.	N/A	
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	

APPENDIX C

TRC –
DATA TABLE FOR FORMER 76 STATION NO. 0843

Table 1
Current Groundwater Gauging and Analytical Results
Unocal Site 0843
1629 Webster Street, Alameda, California

Well ID	Date Sampled	TOC Elevation (feet MSL)	DTW (feet bTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	TPH-G 8015B	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	TBA	TAME	ETBE	DIPE	EDB	EDC	Ethanol	Comments
MW-1	**8/13/2012**	**19.13**	**7.33**	**0.00**	**11.80**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**610**	**120**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**A01**
MW-1AR	**8/13/2012**	**19.29**	**7.62**	**0.00**	**11.67**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**18**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-1BR	**8/13/2012**	**19.13**	**7.50**	**0.00**	**11.63**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**15**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-3	**8/13/2012**	**18.05**	**6.60**	**0.00**	**11.45**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-4	**8/13/2012**	**18.14**	**6.55**	**0.00**	**11.59**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**5.0**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-5	**8/13/2012**	**16.45**	**6.06**	**0.00**	**10.39**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-6	**8/13/2012**	**16.97**	**6.08**	**0.00**	**10.89**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**89**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-7	**8/13/2012**	**17.81**	**6.42**	**0.00**	**11.39**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**4,800**	**2,000**	**3.9**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**A01**
MW-8	**8/13/2012**	**18.13**	**6.71**	**0.00**	**11.42**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1,600**	**450**	**1.2**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**A01**
MW-9	**8/13/2012**	**18.75**	**7.12**	**0.00**	**11.63**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**220**	**36**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**A01**
MW-10	**8/13/2012**	**18.84**	**7.24**	**0.00**	**11.60**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	
MW-11	**8/13/2012**	**18.72**	**7.03**	**0.00**	**11.69**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1,100**	**280**	**0.87**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<250**	**A01**

Note

Analytical results given in micrograms per liter (µg/l) unless otherwise noted

Standard Abbreviations

<	not detected at or above laboratory detection limit
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)
TOC	top of casing (surveyed reference elevation)
MSL	relative to mean sea level
DTW	depth to water
bTOC	below top of casing
LPH	liquid-phase hydrocarbons
GW	groundwater
TPH-G	total petroleum hydrocarbons as gasoline
MTBE	methyl tertiary butyl ether
TBA	tertiary butyl alcohol
TAME	tertiary amyl methyl ether
ETBE	ethyl tertiary butyl ether
DIPE	di-isopropyl ether
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)
8015B	EPA Method 8015B for TPH-G
8260B	EPA Method 8260B for BTEX/MTBE/Oxygenates
A01	PQL's and MDL's are raised due to sample dilution.
PQL	practical quantitation limit
MDL	method detection lmit