CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: November 15, 2012

REFERENCE NO.: 240594

PROJECT NAME: 610 Market Street, Oakland

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

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Alameda County
Environmental Health

Please find enclosed:
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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)
Roger Schmidt (adjacent property owner), 1224 Contra Costa Drive, El Cerrito, CA 94530
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

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

Re: Shell-branded Service Station
610 Market Street
Oakland, California
SAP Code 135692
Incident No. 98995750
ACEH Case No. RO0000493

Dear Mr. Wickham:

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

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

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT – THIRD QUARTER 2012

SHELL-BRANDED SERVICE STATION
610 MARKET STREET
OAKLAND, CALIFORNIA

SAP CODE	135692
INCIDENT NO.	98995750
AGENCY NO.	RO0000493

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
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NOVEMBER 15, 2012
REF. NO. 240594 (12)
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1.0 INTRODUCTION

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

1.1 SITE INFORMATION

Site Address	610 Market Street, Oakland
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000493
Shell SAP Code	135692
Shell Incident No.	98995750

Date of most recent agency correspondence was December 9, 2010 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site. Wells MW-6 and MW-7 were sampled during the second quarter of 2012, and wells MW-1 through MW-8 were sampled during the third quarter of 2012.

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2) using data from the third quarter of 2012, and a groundwater data table (Table 1). Blaine's field notes are presented in Appendix A, and the laboratory reports are presented in Appendix B.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	10.90 to 15.15 feet below top of well casing

2.3 PROPOSED ACTIVITIES

Blaine will gauge and sample wells according to the established monitoring program for this site outlined above. Wells MW-6 and MW-7 will be sampled quarterly, and wells MW-1 through MW-5 and MW-8 will be sampled semiannually during the first and third quarters. CRA will issue groundwater monitoring reports semiannually following the first and third quarter sampling events.

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

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

05/01/09

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

FIGURE 1

I:\Shell\6-chars\2405-\240594 - Oakland 610 Market\240594-FIGURES\240594 VICINITY.AI

Shell-branded Service Station
610 Market Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

EXPLANATION

- MW-1 — Monitoring well
- MW-2 — Monitoring well formerly used for groundwater extraction
- T1 — Tank observation well
- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Storm drain line (STM)
- Sanitary sewer line (SAN)
- Water line (W)
- Manhole
- Flow direction
- FL = 2,8 — Flow line elevation, in feet above mean sea level (ft MSL)
- Groundwater extraction system piping
- INF — GWE system sampling location
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl), approximately located

Well
ELEV
Benzene
MTBE
TBA

- Well designation
- Groundwater elevation, in feet above msl
- Benzene, MTBE, TBA concentrations are in micrograms per liter

Notes:
ND = Not detected
NDa = Elevated reporting limit; see laboratory report for details

MARKET STREET

7th STREET

6th STREET

INTERSTATE 880 OFF-RAMP

MW-1
6.55
72
34
ND

MW-2
7.30
NDa
5,9
7,900

MW-3
6.28
ND
2,4
370

MW-4
5.98
ND
ND
ND

MW-5
5.88
ND
0.57
36

MW-6
6.03
NDa
NDa
8,200

MW-7
6.27
NDa
NDa
54,000

MW-8
6.01
300
42
3,600

MW-9

T1
T2
USTs

Dispensers
Kiosk
Former Dispenser Island
Car Wash
Planter
Remediation Enclosure
INF
EFF

6.00
6.50
7.00

FL = 8,0
FL = 5,8
FL = 8,9
FL = 2,8
FL = 3,3
FL = 8,2
FL = 6,5
FL = 12,1

STM 30"Ø
STM 15"Ø

0 10 30ft

Figure 2
Groundwater Contour and Chemical Concentration Map
September 14, 2012
Shell-branded Service Station
610 Market Street
Oakland, California

I:\Shell\6-chars\2405--\240594-Oakland 610 Market\240594-REPORTS\240594-RPT12-3Q12\240594 3QM12-GW.DWG (10/19/2012)

TABLE

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-1	12/17/1998	2,200	20	<10	110	420	<50	---	---	---	---	---	21.70	13.71	7.99
MW-1	03/09/1999	4,320	25.8	<10.0	338	474	<100	---	---	---	---	---	21.70	13.03	8.67
MW-1	06/16/1999	6,150	107	84.0	615	1,050	<250	---	---	---	---	---	21.70	13.82	7.88
MW-1	09/29/1999	3,440	97.3	58.7	433	578	89.1	---	---	---	---	---	21.70	14.45	7.25
MW-1	12/22/1999	1,370	34.5	4.38	196	49	29.3	---	---	---	---	---	21.70	15.39	6.31
MW-1	03/21/2000	2,550	10.3	3.36	164	312	65.6	---	---	---	---	---	21.70	11.94	9.76
MW-1	06/20/2000	4,770	64.3	18.6	387	732	51.3	---	---	---	---	---	21.70	13.15	8.55
MW-1	09/21/2000	7,490	350	229	690	1,490	160	---	---	---	---	---	21.70	13.65	8.05
MW-1	11/30/2000	5,410	420	168	494	1,170	167	---	---	---	---	---	21.70	14.20	7.50
MW-1	03/06/2001	965	25.7	9.14	13.3	9.12	<25.0	---	---	---	---	---	21.70	12.99	8.71
MW-1	06/28/2001	5,900	190	71	360	910	---	110	---	---	---	---	21.70	13.98	7.72
MW-1	09/12/2001	7,400	240	110	460	1,300	---	130	---	---	---	---	21.70	14.15	7.55
MW-1	12/12/2001	1,700	100	30	120	300	---	98	---	---	---	---	21.70	13.75	7.95
MW-1	03/08/2002	1,100	63	12	74	83	---	50	---	---	---	---	21.70	13.22	8.48
MW-1	06/06/2002	2,300	95	31	130	290	---	49	---	---	---	---	21.70	13.57	8.13
MW-1	09/09/2002	3,600	150	44	200	590	---	54	---	---	---	---	21.70	14.05	7.65
MW-1	12/12/2002	2,200	130	14	120	310	---	46	---	---	---	---	21.70	14.20	7.50
MW-1	02/26/2003	580	30	2.9	25	48	---	27	---	---	---	---	21.70	13.57	8.13
MW-1	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	21.70	13.67	8.03
MW-1	06/13/2003	440	18	6.1	33	88	---	24	---	---	---	---	21.70	13.85	7.85
MW-1	09/26/2003	54	3.8	0.51	4.7	7.5	---	11	---	---	---	---	21.70	14.63	7.07
MW-1	11/24/2003	120	5.6	0.87	8.4	20	---	17	---	---	---	---	21.70	14.86	6.84
MW-1	03/01/2004	350	20	3.8	38	100	---	18	---	---	---	---	21.70	12.85	8.85
MW-1	06/15/2004	100	1.8	<0.50	2.6	6.1	---	15	---	---	---	---	21.70	14.27	7.43
MW-1	09/16/2004	200	20	0.75	7.8	16	---	27	<5.0	<2.0	<2.0	<2.0	21.70	14.60	7.10
MW-1	12/29/2004	67	1.8	<0.50	1.8	3.5	---	15	---	---	---	---	21.70	14.27	7.43
MW-1	02/28/2005	60	1.8	<0.50	1.9	3.6	---	22	---	---	---	---	21.70	12.45	9.25
MW-1	03/23/2005	---	---	---	---	---	---	---	---	---	---	---	21.70	12.50	9.20
MW-1	05/18/2005	92	5.3	<0.50	5.4	12	---	9.7	---	---	---	---	21.70	12.22	9.48
MW-1	08/16/2005	---	---	---	---	---	---	---	---	---	---	---	21.70	13.51	8.19

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-1	09/15/2005	210	16	<0.50	4.3	19	---	19	320	<2.0	<2.0	<2.0	21.70	14.00	7.70
MW-1	10/26/2005	---	---	---	---	---	---	---	---	---	---	---	21.70	14.30	7.40
MW-1	12/13/2005	<50.0	7.55	2.14	2.39	2.73	---	18.6	---	---	---	---	21.70	14.27	7.43
MW-1	03/08/2006	<50.0	1.95	<0.500	1.29	2.42	---	13.6	---	---	---	---	21.70	12.10	9.60
MW-1	06/27/2006	180	22	1.9	8.0	25	---	34	---	---	---	---	21.70	12.70	9.00
MW-1	09/25/2006	160	16	<0.50	2.1	11	---	23	<10	<1.0	<1.0	<1.0	21.70	14.07	7.63
MW-1	12/21/2006	120	3.2	<0.50	<0.50	<1.0	---	27	---	---	---	---	21.70	14.27	7.43
MW-1	03/20/2007	<50	1.8	<0.50	<0.50	<1.0	---	15	---	---	---	---	21.70	13.61	8.09
MW-1	06/18/2007	98	7.5	0.27 l	0.52 l	1.4	---	19	---	---	---	---	21.70	14.42	7.28
MW-1	08/30/2007	94 n	6.6	<1.0	<1.0	0.82 l	---	19	<10	<2.0	<2.0	<2.0	21.70	14.84	6.86
MW-1	12/28/2007	67 n	4.8	<1.0	<1.0	<1.0	---	23	---	---	---	---	21.70	15.01	6.69
MW-1	03/26/2008	<50	3.7	<1.0	<1.0	<1.0	---	12	---	---	---	---	21.70	14.16	7.54
MW-1	05/29/2008	310	20	1.3	13	39	---	22	---	---	---	---	21.70	14.76	6.94
MW-1	09/25/2008	66	3.8	<1.0	<1.0	<1.0	---	14	<10	<2.0	<2.0	<2.0	21.70	15.31	6.39
MW-1	12/16/2008	<50	2.6	<1.0	<1.0	<1.0	---	17	---	---	---	---	21.70	14.30	7.40
MW-1	02/26/2009	79	5.9	<1.0	<1.0	<1.0	---	20	---	---	---	---	21.70	14.51	7.19
MW-1	05/26/2009	160	15	<1.0	6.2	15	---	28	---	---	---	---	21.70	14.74	6.96
MW-1	09/02/2009	220	28	<1.0	<1.0	22	---	28	<10	<2.0	<2.0	<2.0	21.70	15.61	6.09
MW-1	03/10/2010	99	12	<1.0	<1.0	<1.0	---	27	---	---	---	---	21.70	13.85	7.85
MW-1	08/31/2010	170	23	<1.0	<1.0	18	---	20	13	<2.0	<2.0	<2.0	21.70	15.08	6.62
MW-1	03/08/2011	120	15	0.60	1.2	1.5	---	17	---	---	---	---	21.70	13.35	8.35
MW-1	09/19/2011	290	46	1.4	0.60	14	---	45	<10	<1.0	<1.0	1.8	21.70	14.71	6.99
MW-1	03/05/2012	150	22	0.61	<0.50	1.0	---	29	---	---	---	---	21.70	15.32	6.38
MW-1	**09/14/2012**	**450**	**72**	**2.3**	**1.9**	17	**---**	**34**	**<10**	**<0.50**	**<0.50**	**1.3**	**21.70**	**15.15**	**6.55**
MW-2	12/17/1998	<5,000	<50	<50	<50	<50	11,000	---	---	---	---	---	19.61	12.07	7.54
MW-2	03/09/1999	<250	5.20	<2.50	<2.50	<2.50	9,870	---	---	---	---	---	19.61	11.46	8.15
MW-2	06/16/1999	<50.0	0.569	<0.500	<0.500	<0.500	3,440	---	---	---	---	---	19.61	12.26	7.35
MW-2	09/29/1999	58.6	2.51	0.978	<0.500	<0.500	3,930	---	---	---	---	---	19.61	12.51	7.10
MW-2	12/22/1999	<2,000	50.4	<20.0	<20.0	<20.0	15,000	---	---	---	---	---	19.61	13.40	6.21

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-2	03/21/2000	<5,000	94.7	<50.0	<50.0	<50.0	13,900	---	---	---	---	---	19.61	10.36	9.25
MW-2	06/20/2000	101	5.95	<0.500	<0.500	0.552	7,670	---	---	---	---	---	19.61	11.12	8.49
MW-2	09/21/2000	<2,000	<20.0	<20.0	<20.0	<20.0	4,460	---	---	---	---	---	19.61	11.95	7.66
MW-2	11/30/2000	81.1	4.46	0.924	0.841	3.23	3,450	---	---	---	---	---	19.61	12.48	7.13
MW-2	03/06/2001	<500	183	<5.00	<5.00	<5.00	14,000	---	---	---	---	---	19.61	11.10	8.51
MW-2	06/28/2001	<1,000	<10	<10	<10	<10	---	4,200	---	---	---	---	19.61	12.40	7.21
MW-2	09/12/2001	<2,000	120	<20	<20	<20	---	17,000	---	---	---	---	19.61	12.45	7.16
MW-2	12/12/2001	<1,000	<10	<10	<10	<10	---	3,000	---	---	---	---	19.61	12.14	7.47
MW-2	03/08/2002	<250	<2.5	<2.5	<2.5	<2.5	---	1,100	---	---	---	---	19.61	11.68	7.93
MW-2	06/06/2002	<500	<5.0	<5.0	<5.0	<5.0	---	2,000	---	---	---	---	19.61	11.95	7.66
MW-2	09/09/2002	<200	<2.0	<2.0	<2.0	<2.0	---	740	---	---	---	---	19.62	12.38	7.24
MW-2	12/12/2002	<200	<2.0	<2.0	<2.0	<2.0	---	1,000	---	---	---	---	19.62	12.40	7.22
MW-2	02/26/2003	<500	<5.0	<5.0	<5.0	<5.0	---	1,600	---	---	---	---	19.62	12.69	6.93
MW-2	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	19.62	12.81	6.81
MW-2	06/13/2003	<500	<5.0	<5.0	<5.0	<10	---	790	---	---	---	---	19.62	12.65	6.97
MW-2	09/26/2003	<250	<2.5	<2.5	<2.5	<5.0	---	250	---	---	---	---	18.20	12.95	5.25
MW-2	11/24/2003	<50	<0.50	<0.50	<0.50	<1.0	---	87	---	---	---	---	18.20	12.89	5.31
MW-2	03/01/2004	<50	<0.50	<0.50	<0.50	<1.0	---	35	---	---	---	---	18.20	10.08	8.12
MW-2	06/15/2004	66 b	<0.50	<0.50	<0.50	<1.0	---	110	---	---	---	---	18.20	12.85	5.35
MW-2	09/16/2004	<50	<0.50	<0.50	<0.50	<1.0	---	26	<5.0	<2.0	<2.0	<2.0	18.20	12.00	6.20
MW-2	12/29/2004	<50	<0.50	0.73	<0.50	<1.0	---	43	---	---	---	---	18.20	11.60	6.60
MW-2	02/28/2005	---	---	---	---	---	---	---	---	---	---	---	18.20	9.71	8.49
MW-2	03/23/2005	340 f	3.9	<2.0	<2.0	<4.0	---	370	---	---	---	---	18.20	10.10	8.10
MW-2	05/18/2005	<100	4.6	<1.0	<1.0	3.3	---	160	---	---	---	---	18.20	10.21	7.99
MW-2	08/16/2005	---	---	---	---	---	---	---	---	---	---	---	18.20	10.53	7.67
MW-2	09/15/2005	<50	<0.50	<0.50	<0.50	<1.0	---	11	520	<2.0	<2.0	<2.0	18.20	11.98	6.22
MW-2	10/26/2005	---	---	---	---	---	---	---	---	---	---	---	18.20	11.38	6.82
MW-2	12/13/2005	<50.0	<0.500	1.66	<0.500	<0.500	---	2.11	---	---	---	---	18.20	10.71	7.49
MW-2	03/08/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	---	---	---	---	18.20	9.50	8.70
MW-2	06/27/2006	<100 i	<1.0 i	<1.0 i	<1.0 i	<1.0 i	---	9.1 i	---	---	---	---	18.20	9.73	8.47

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-2	09/25/2006	83 j	<2.5	<2.5	<2.5	<5.0	---	<5.0	4,500	<5.0	<5.0	<5.0	18.20	11.08	7.12
MW-2	12/21/2006	160	<0.50	<0.50	<0.50	<1.0	---	1.6	---	---	---	---	18.20	11.30	6.90
MW-2	03/20/2007	<50	0.98	<0.50	<0.50	<1.0	---	18	---	---	---	---	18.20	10.76	7.44
MW-2	06/18/2007	86 m	<0.50	<1.0	<1.0	<1.0	---	2.4	---	---	---	---	18.20	11.35	6.85
MW-2	08/30/2007	110 n	<0.50	<1.0	<1.0	<1.0	---	2.2	2,700	6.3	0.30 l	<2.0	18.20	11.80	6.40
MW-2	12/28/2007	<50 n	<2.5	<5.0	<5.0	<5.0	---	2.1 l	---	---	---	---	18.20	11.69	6.51
MW-2	03/26/2008	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	---	---	---	---	18.20	11.23	6.97
MW-2	05/29/2008	130	<0.50	<1.0	<1.0	<1.0	---	3.0	---	---	---	---	18.20	11.83	6.37
MW-2	09/25/2008	380	<0.50	<1.0	<1.0	<1.0	---	3.7	4,200	7.9	<2.0	<2.0	18.20	13.21	4.99
MW-2	12/16/2008	220	<1.0	<2.0	<2.0	<2.0	---	2.1	---	---	---	---	18.20	12.40	5.80
MW-2	02/26/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.9	---	---	---	---	18.20	10.56	7.64
MW-2	05/26/2009	140	<0.50	<1.0	<1.0	<1.0	---	2.6	---	---	---	---	18.20	11.03	7.17
MW-2	09/02/2009	270	<0.50	<1.0	<1.0	<1.0	---	2.2	4,600	4.9	<2.0	<2.0	18.20	12.01	6.19
MW-2	03/10/2010	<50	<0.50	<1.0	<1.0	<1.0	---	37	---	---	---	---	18.20	9.96	8.24
MW-2	08/31/2010	110	<0.50	<1.0	<1.0	<1.0	---	6.2	3,300	2.8	<2.0	<2.0	18.20	11.30	6.90
MW-2	03/08/2011	<50	0.66	<0.50	<0.50	<1.0	---	28	---	---	---	---	18.20	9.86	8.34
MW-2	09/19/2011	<250	<5.0 o	<5.0 o	<5.0 o	<10 o	---	15 o	5,700 o	<10 o	<10 o	<10 o	18.20	11.22	6.98
MW-2	03/05/2012	100	<0.50	<0.50	<0.50	<1.0	---	1.2	---	---	---	---	18.20	11.65	6.55
MW-2	**09/14/2012**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**---**	**5.9**	**7,900**	**<2.5**	**<2.5**	**<2.5**	**18.20**	**10.90**	**7.30**
MW-3	12/17/1998	30,000	890	110	2,100	4,300	42,000	43,000	---	---	---	---	19.05	11.65	7.40
MW-3	03/09/1999	22,700	536	<200	1,030	1,510	35,400	38,500	---	---	---	---	19.05	11.03	8.02
MW-3	06/16/1999	19,300	625	129	805	1,210	42,400	51,600	---	---	---	---	19.05	11.89	7.16
MW-3	09/29/1999	20,200	727	155	1,000	1,180	84,100	136,000 a	---	---	---	---	19.05	12.35	6.70
MW-3	12/22/1999	44,500	767	64.4	1,810	2,090	191,000	186,000 a	---	---	---	---	19.05	13.45	5.60
MW-3	03/21/2000	<25,000	466	<250	727	2,280	126,000	155,000	---	---	---	---	19.05	10.00	9.05
MW-3	06/20/2000	16,200	1,140	98.8	1,140	1,410	579,000	376,000 a	---	---	---	---	19.05	11.15	7.90
MW-3	09/21/2000	<50,000	712	<500	520	795	293,000	298,000	---	---	---	---	19.05	11.58	7.47
MW-3	11/30/2000	18,000	1,050	124	1,120	2,010	543,000 a	403,000 a	---	---	---	---	19.05	12.10	6.95
MW-3	03/06/2001	19,900	1,290	115	1,450	1,760	706,000	149,000	---	---	---	---	19.05	11.00	8.05

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-3	06/28/2001	<50,000	1,200	<250	1,100	1,300	---	610,000	---	---	---	---	19.05	11.96	7.09
MW-3	09/12/2001	<20,000	430	<200	230	480	---	390,000	---	---	---	---	19.05	12.05	7.00
MW-3	10/23/2001	11,000	350	<100	210	440	---	290,000	---	---	---	---	19.05	12.62	6.43
MW-3	12/12/2001	<20,000	280	<200	<200	<200	---	160,000	---	---	---	---	19.05	11.83	7.22
MW-3	03/08/2002	<20,000	270	<200	<200	<200	---	340,000	---	---	---	---	19.05	11.26	7.79
MW-3	06/06/2002	<50,000	290	<250	<250	<250	---	290,000	---	---	---	---	19.05	11.50	7.55
MW-3	09/09/2002	<20,000	<200	<200	<200	<200	---	230,000	---	---	---	---	19.06	11.92	7.14
MW-3	12/12/2002	<50,000	<200	<200	<200	<500	---	190,000	---	---	---	---	19.06	10.95	8.11
MW-3	02/26/2003	<25,000	<250	<250	<250	<250	---	210,000	---	---	---	---	19.06	15.01	4.05
MW-3	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	19.06	15.12	3.94
MW-3	06/13/2003	<25,000	<250	<250	<250	<500	---	27,000	---	---	---	---	19.06	15.25	3.81
MW-3	09/26/2003	<10,000	<100	<100	<100	<200	---	15,000	---	---	---	---	18.08	c	---
MW-3	11/24/2003	<10,000	<100	<100	<100	<200	---	9,900	---	---	---	---	18.08	15.13	2.95
MW-3	03/01/2004	<10,000	<100	<100	<100	<200	---	8,000	---	---	---	---	18.08	9.97	8.11
MW-3	06/15/2004	<10,000	<100	<100	<100	<200	---	6,900	---	---	---	---	18.08	15.05	3.03
MW-3	09/16/2004	<500	<5.0	<5.0	<5.0	<10	---	1,000	75	<20	<20	<20	18.08	14.70	3.38
MW-3	12/29/2004	<250	2.8	<2.5	<2.5	<5.0	---	580	---	---	---	---	18.08	14.83	3.25
MW-3	02/28/2005	---	---	---	---	---	---	---	---	---	---	---	18.08	9.60	8.48
MW-3	03/23/2005	<1,000	<10	<10	<10	<20	---	1500	---	---	---	---	18.08	12.68	5.40
MW-3	05/18/2005	1200	49	<10	47	<20	---	3400	---	---	---	---	18.08	10.60	7.48
MW-3	08/16/2005	---	---	---	---	---	---	330	---	---	---	---	18.08	15.22	2.86
MW-3	09/15/2005	<1,000	<10	<10	<10	<20	---	140	180	<40	<40	<40	18.08	15.30	2.78
MW-3	10/26/2005	---	---	---	---	---	---	48	---	---	---	---	18.08	15.00	3.08
MW-3	12/13/2005	482	4.56	1.64 h	<0.500	<0.500	---	72.5	273	---	---	---	18.08	11.18	6.90
MW-3	03/08/2006	627	2.62	<0.500	1.71	1.25	---	175	483	---	---	---	18.08	14.95	3.13
MW-3	06/27/2006	530	8.3	<2.5	9.5	3.5	---	100	---	---	---	---	18.08	14.63	3.45
MW-3	09/25/2006	520	12	<2.5	6.5	<5.0	---	110	2,900	<5.0	<5.0	<5.0	18.08	11.23	6.85
MW-3	12/21/2006	120	2.2	<0.50	<0.50	<1.0	---	1.7	120	---	---	---	18.08	11.22	6.86
MW-3	03/20/2007	150	0.96	1.2	<0.50	<1.0	---	19	300	---	---	---	18.08	11.35	6.73
MW-3	06/18/2007	180	2.2	<1.0	<1.0	<1.0	---	14	780	---	---	---	18.08	11.22	6.86

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-3	08/30/2007	200 n	3.5	<1.0	<1.0	0.29 l	---	29	1,500	<2.0	<2.0	<2.0	18.08	13.59	4.49
MW-3	12/28/2007	140 n	2.7	0.34 l	<1.0	<1.0	---	<1.0	98	---	---	---	18.08	11.79	6.29
MW-3	03/26/2008	120	1.3	1.6	<1.0	<1.0	---	3.4	150	---	---	---	18.08	11.05	7.03
MW-3	05/29/2008	130	2.4	<1.0	<1.0	<1.0	---	6.0	250	---	---	---	18.08	11.69	6.39
MW-3	09/25/2008	410	9.3	<1.0	<1.0	<1.0	---	13	1,200	<2.0	<2.0	<2.0	18.08	12.00	6.08
MW-3	12/16/2008	410	14	<1.0	<1.0	<1.0	---	5.5	560	---	---	---	18.08	11.71	6.37
MW-3	02/26/2009	640	3.1	<1.0	<1.0	<1.0	---	1.3	10	---	---	---	18.08	10.71	7.37
MW-3	05/26/2009	250	1.8	<1.0	<1.0	<1.0	---	2.2	59	---	---	---	18.08	11.53	6.55
MW-3	09/02/2009	260	5.3	<1.0	<1.0	<1.0	---	7.0	350	<2.0	<2.0	<2.0	18.08	12.34	5.74
MW-3	03/10/2010	89	<0.50	<1.0	<1.0	1.0	---	<1.0	<10	---	---	---	18.08	10.29	7.79
MW-3	08/31/2010	81	1.1	<1.0	<1.0	<1.0	---	5.5	230	<2.0	<2.0	<2.0	18.08	11.80	6.28
MW-3	03/08/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	18.08	10.37	7.71
MW-3	09/19/2011	100	<0.50	<0.50	<0.50	<1.0	---	6.4	490	<1.0	<1.0	<1.0	18.08	11.51	6.57
MW-3	03/05/2012	64	<0.50	<0.50	<0.50	<1.0	---	1.6	340	---	---	---	18.08	12.12	5.96
MW-3	**09/14/2012**	**110**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**2.4**	**370**	**<0.50**	**<0.50**	**<0.50**	**18.08**	**11.80**	**6.28**
MW-4	05/13/2002	---	---	---	---	---	---	---	---	---	---	---	---	10.64	---
MW-4	05/20/2002	<1,000	<10	<10	<10	<10	---	4,600	---	---	---	---	---	10.64	---
MW-4	06/06/2002	<1,000	<10	<10	<10	<10	---	4,800	---	---	---	---	---	10.61	---
MW-4	09/09/2002	Unable to sample		---	---	---	---	---	---	---	---	---	18.03	11.07	6.96
MW-4	09/18/2002	<250	<2.5	<2.5	<2.5	<2.5	---	1,000	---	---	---	---	18.03	11.15	6.88
MW-4	12/12/2002	<100	<1.0	<1.0	<1.0	<1.0	---	370	---	---	---	---	18.03	11.13	6.90
MW-4	02/26/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	18.03	10.61	7.42
MW-4	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	18.03	10.73	7.30
MW-4	06/13/2003	180 b	<0.50	110	<0.50	<1.0	---	2.3	---	---	---	---	18.03	10.88	7.15
MW-4	09/26/2003	<5,000	<50	<50	<50	<100	---	13,000	---	---	---	---	18.03	11.58	6.45
MW-4	11/24/2003	<13,000	<130	<130	<130	<250	---	11,000	---	---	---	---	18.03	11.78	6.25
MW-4	03/01/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	18.03	9.47	8.56
MW-4	06/15/2004	<500	<5.0	<5.0	<5.0	<10	---	630	---	---	---	---	18.03	11.38	6.65
MW-4	09/16/2004	<100	<1.0	12	<1.0	<2.0	---	280	280	<4.0	<4.0	<4.0	18.03	11.80	6.23

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-4	12/29/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	18.03	10.63	7.40
MW-4	02/28/2005	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	18.03	9.20	8.83
MW-4	03/23/2005	---	---	---	---	---	---	---	---	---	---	---	18.03	9.43	8.60
MW-4	05/18/2005	1,900	<5.0	<5.0	16	97	---	910	---	---	---	---	18.03	9.75	8.28
MW-4	08/16/2005	---	---	---	---	---	---	---	---	---	---	---	18.03	10.85	7.18
MW-4	09/15/2005	<2,500	<25	<25	<25	85	---	5,100	400	<100	<100	<100	18.03	11.30	6.73
MW-4	10/26/2005	---	---	---	---	---	---	---	---	---	---	---	18.03	11.45	6.58
MW-4	12/13/2005	3,480	<0.500	1.54 h	<0.500	<0.500	---	2,490 a	201	---	---	---	18.03	11.70	6.33
MW-4	03/08/2006	1,560	<0.500	0.910	<0.500	3.39	---	0.870	<10.0	---	---	---	18.03	9.25	8.78
MW-4	06/27/2006	75	<0.50	18	<0.50	<0.50	---	63	<20	---	---	---	18.03	10.12	7.91
MW-4	09/25/2006	670 j	<10	<10	<10	<20	---	1,400	430	<20	<20	<20	18.03	11.23	6.80
MW-4	12/21/2006	<50	<0.50	<0.50	<0.50	<1.0	---	2.0	6.8	---	---	---	18.03	10.37	7.66
MW-4	03/20/2007	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	---	---	---	18.03	9.84	8.19
MW-4	06/18/2007	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	7.1 1	---	---	---	18.03	10.62	7.41
MW-4	08/30/2007	<50 n	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	18.03	11.93	6.10
MW-4	12/28/2007	160 n,m	<0.50	130	<1.0	<1.0	---	<1.0	<10	---	---	---	18.03	11.97	6.06
MW-4	03/26/2008	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	18.03	11.34	6.69
MW-4	05/29/2008	<50	<0.50	<1.0	<1.0	<1.0	---	3.4	<10	---	---	---	18.03	11.87	6.16
MW-4	09/25/2008	<50	<0.50	1.3	<1.0	<1.0	---	4.5	<10	<2.0	<2.0	<2.0	18.03	12.35	5.68
MW-4	12/16/2008	630	<0.50	360	<1.0	<1.0	---	<1.0	<10	---	---	---	18.03	12.47	5.56
MW-4	02/26/2009	<50	<0.50	<1.0	<1.0	<1.0	---	<1.0	<10	---	---	---	18.03	10.29	7.74
MW-4	05/26/2009	<50	<0.50	3.6	<1.0	<1.0	---	<1.0	<10	---	---	---	18.03	11.74	6.29
MW-4	09/02/2009	<50	<0.50	<1.0	<1.0	<1.0	---	5.9	<10	<2.0	<2.0	<2.0	18.03	12.60	5.43
MW-4	03/10/2010	<50	<0.50	1.6	<1.0	<1.0	---	<1.0	<10	---	---	---	18.03	9.95	8.08
MW-4	08/31/2010	400	<0.50	<1.0	<1.0	<1.0	---	1.1	30	<2.0	<2.0	<2.0	18.03	12.12	5.91
MW-4	03/08/2011	73 j	<0.50	44	<0.50	<1.0	---	<1.0	<10	---	---	---	18.03	10.66	7.37
MW-4	09/19/2011	<50	<0.50	<0.50	<0.50	<1.0	---	<1.0	<10	<1.0	<1.0	<1.0	18.03	11.71	6.32
MW-4	03/05/2012	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	---	---	---	18.03	12.50	5.53
MW-4	**09/14/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**18.03**	**12.05**	**5.98**

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-5	05/13/2002	---	---	---	---	---	---	---	---	---	---	---	---	10.40	---
MW-5	05/20/2002	<2,500	<25	<25	<25	<25	---	17,000	---	---	---	---	---	10.41	---
MW-5	06/06/2002	<5,000	<50	<50	<50	<50	---	15,000	---	---	---	---	---	10.36	---
MW-5	09/09/2002	Unable to sample		---	---	---	---	---	---	---	---	---	17.78	10.82	6.96
MW-5	09/18/2002	<2,500	<25	<25	<25	<25	---	16,000	---	---	---	---	17.78	10.81	6.97
MW-5	12/12/2002	<2,500	<25	<25	<25	<25	---	13,000	---	---	---	---	17.78	10.83	6.95
MW-5	02/26/2003	<2,000	<20	<20	<20	<20	---	7,500	---	---	---	---	17.78	10.57	7.21
MW-5	04/15/2003	---	---	---	---	---	---	---	---	---	---	---	17.78	10.69	7.09
MW-5	06/13/2003	<2,500	<25	<25	<25	<50	---	4,400	---	---	---	---	17.78	10.82	6.96
MW-5	09/26/2003	<2,500	<25	<25	<25	<50	---	4,700	---	---	---	---	17.78	11.49	6.29
MW-5	11/24/2003	<10,000	<100	<100	<100	<200	---	7,100	---	---	---	---	17.78	11.70	6.08
MW-5	03/01/2004	<2,000	<20	<20	<20	<40	---	2,800	---	---	---	---	17.78	9.68	8.10
MW-5	06/15/2004	<2,000	<20	<20	<20	<40	---	2,100	---	---	---	---	17.78	11.28	6.50
MW-5	09/16/2004	<2,000	<20	<20	<20	<40	---	2,200	2,800	<80	<80	<80	17.78	11.62	6.16
MW-5	12/29/2004	<2,000	<20	<20	<20	<40	---	3,700	---	---	---	---	17.78	11.11	6.67
MW-5	02/28/2005	<200	<2.0	<2.0	<2.0	<4.0	---	740	---	---	---	---	17.78	9.50	8.28
MW-5	03/23/2005	---	---	---	---	---	---	---	---	---	---	---	17.78	9.70	8.08
MW-5	05/18/2005	<50 g	<0.50	<0.50	<0.50	<1.0	---	180	---	---	---	---	17.78	9.49	8.29
MW-5	06/17/2005	---	---	---	---	---	---	270	---	---	---	---	17.78	9.89	7.89
MW-5	07/15/2005	---	---	---	---	---	---	350	---	---	---	---	17.78	10.20	7.58
MW-5	08/16/2005	---	---	---	---	---	---	270	---	---	---	---	17.78	10.50	7.28
MW-5	09/15/2005	<250	<2.5	<2.5	<2.5	<5.0	---	500	670	<10	<10	<10	17.78	10.96	6.82
MW-5	10/26/2005	---	---	---	---	---	---	260	---	---	---	---	17.78	11.22	6.56
MW-5	12/13/2005	438	<0.500	1.49 h	<0.500	<0.500	---	167	452	---	---	---	17.78	11.05	6.73
MW-5	03/08/2006	330	<0.500	<0.500	<0.500	<0.500	---	169	206	---	---	---	17.78	9.30	8.48
MW-5	06/27/2006	<50	<0.50	<0.50	<0.50	<0.50	---	60	75	---	---	---	17.78	9.83	7.95
MW-5	09/25/2006	<50	<0.50	<0.50	<0.50	<1.0	---	22	<10	<1.0	<1.0	<1.0	17.78	10.96	6.82
MW-5	12/21/2006	<50	<0.50	<0.50	<0.50	<1.0	---	2.4	<5.0	---	---	---	17.78	11.00	6.78
MW-5	03/20/2007	<50	<0.50	<0.50	<0.50	<1.0	---	1.7	<10	---	---	---	17.78	10.51	7.27
MW-5	06/18/2007	<50	<0.50	<1.0	<1.0	<1.0	---	2.0	61	---	---	---	17.78	11.18	6.60

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-5	08/30/2007	<50 n	<0.50	<1.0	<1.0	<1.0	---	2.3	170	<2.0	<2.0	<2.0	17.78	11.65	6.13
MW-5	12/28/2007	<50 n	<0.50	<1.0	<1.0	<1.0	---	3.0	830	---	---	---	17.78	11.90	5.88
MW-5	03/26/2008	<50	<0.50	<1.0	<1.0	<1.0	---	1.7	55	---	---	---	17.78	11.11	6.67
MW-5	05/29/2008	65	<0.50	<1.0	<1.0	<1.0	---	3.9	940	---	---	---	17.78	11.52	6.26
MW-5	09/25/2008	64	<0.50	<1.0	<1.0	<1.0	---	3.3	560	<2.0	<2.0	<2.0	17.78	12.00	5.78
MW-5	12/16/2008	63	<0.50	<1.0	<1.0	<1.0	---	3.3	850	---	---	---	17.78	12.30	5.48
MW-5	02/26/2009	<50	<0.50	<1.0	<1.0	<1.0	---	2.1	850	---	---	---	17.78	11.08	6.70
MW-5	05/26/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.2	19	---	---	---	17.78	11.43	6.35
MW-5	09/02/2009	<50	<0.50	<1.0	<1.0	<1.0	---	1.6	180	<2.0	<2.0	<2.0	17.78	12.24	5.54
MW-5	03/10/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.3	170	---	---	---	17.78	10.59	7.19
MW-5	08/31/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.8	490	<2.0	<2.0	<2.0	17.78	11.75	6.03
MW-5	03/08/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.0	270	---	---	---	17.78	10.44	7.34
MW-5	09/19/2011	<50	<0.50	<0.50	<0.50	<1.0	---	1.2	240	<1.0	<1.0	<1.0	17.78	11.50	6.28
MW-5	03/05/2012	<50	<0.50	<0.50	<0.50	<1.0	---	0.68	120	---	---	---	17.78	12.09	5.69
MW-5	**09/14/2012**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**0.57**	**36**	**<0.50**	**<0.50**	**<0.50**	**17.78**	**11.90**	**5.88**
MW-6	03/28/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	18.10	---	---
MW-6	04/07/2003	---	---	---	---	---	---	---	---	---	---	---	18.10	13.80	4.30
MW-6	04/15/2003	14,000	<250	<250	<250	<500	---	41,000	---	---	---	---	18.10	15.05	3.05
MW-6	06/13/2003	<10,000	<100	<100	<100	<200	---	27,000	---	---	---	---	18.10	14.42	3.68
MW-6	09/26/2003	<5,000	<50	<50	<50	<100	---	11,000	---	---	---	---	18.05	c	---
MW-6	11/24/2003	<10,000	<100	<100	<100	<200	---	5,000	---	---	---	---	18.05	14.68	3.37
MW-6	03/01/2004	<1,000	<10	<10	<10	<20	---	2,500	---	---	---	---	18.05	9.84	8.21
MW-6	06/15/2004	<1,000	<10	<10	<10	<20	---	2,800	---	---	---	---	18.05	14.82	3.23
MW-6	09/16/2004	<1,000	<10	<10	<10	<20	---	830	610	<40	<40	<40	18.05	14.20	3.85
MW-6	12/29/2004	<200	<2.0	<2.0	<2.0	<4.0	---	530	---	---	---	---	18.05	14.78	3.27
MW-6	02/28/2005	---	---	---	---	---	---	---	---	---	---	---	18.05	9.58	8.47
MW-6	03/23/2005	290 f	<2.0	<2.0	<2.0	<4.0	---	590	---	---	---	---	18.05	14.22	3.83
MW-6	05/18/2005	390	8.7	<0.50	0.93	9.0	---	68	---	---	---	---	18.05	9.79	8.26
MW-6	08/16/2005	---	---	---	---	---	---	34	---	---	---	---	18.05	10.64	7.41

TABLE 2

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-6	09/15/2005	<500	<5.0	<5.0	<5.0	<10	---	45	21,000 e	<20	<20	<20	18.05	11.83	6.22
MW-6	10/26/2005	---	---	---	---	---	---	31	---	---	---	---	18.05	11.31	6.74
MW-6	12/13/2005	982	<0.500	1.36 h	<0.500	<0.500	---	35.1	11,300 e	---	---	---	18.05	11.22	6.83
MW-6	03/08/2006	2,110	<0.500	<0.500	<0.500	<0.500	---	29.6	21,800	---	---	---	18.05	9.50	8.55
MW-6	06/27/2006	510	<0.50	<0.50	<0.50	<0.50	---	94	<20	---	---	---	18.05	9.84	8.21
MW-6	09/25/2006	730 j	<25	<25	<25	<50	---	<50	16,000	<50	<50	<50	18.05	11.08	6.97
MW-6	12/21/2006	890	<0.50	<0.50	<0.50	<1.0	---	30	33,000	---	---	---	18.05	11.12	6.93
MW-6	03/20/2007	<1,200 k	<12	<12	<12	<25	---	30	33,000	---	---	---	18.05	10.66	7.39
MW-6	06/18/2007	400	<0.50	<1.0	<1.0	<1.0	---	34	82,000	---	---	---	18.05	11.30	6.75
MW-6	08/30/2007	650 n	<50	<100	<100	<100	---	38 l	32,000	<200	<200	<200	18.05	11.81	6.24
MW-6	12/28/2007	170 n	<25	<50	<50	<50	---	28 l	36,000	---	---	---	18.05	11.97	6.08
MW-6	03/26/2008	1,300	<5.0	<10	<10	<10	---	26	36,000	---	---	---	18.05	10.83	7.22
MW-6	05/29/2008	2,500	<25	<50	<50	<50	---	<50	41,000	---	---	---	18.05	11.80	6.25
MW-6	09/25/2008	4,100	<25	<50	<50	<50	---	<50	44,000	<100	<100	<100	18.05	12.23	5.82
MW-6	12/16/2008	1,900	<10	<20	<20	<20	---	<20	28,000	---	---	---	18.05	12.40	5.65
MW-6	02/26/2009	1,500	<10	<20	<20	<20	---	<20	27,000	---	---	---	18.05	11.05	7.00
MW-6	05/26/2009	1,500	<10	<20	<20	<20	---	<20	29,000	---	---	---	18.05	11.52	6.53
MW-6	09/02/2009	1,800	<10	<20	<20	<20	---	<20	35,000	<40	<40	<40	18.05	12.25	5.80
MW-6	03/10/2010	<1,000	<10	<20	<20	<20	---	<20	25,000	---	---	---	18.05	10.94	7.11
MW-6	08/31/2010	610	<5.0	<10	<10	<10	---	15	20,000	<20	<20	<20	18.05	11.90	6.15
MW-6	12/21/2010	<1,000	<10	<20	<20	<20	---	<20	19,000	---	---	---	18.05	11.01	7.04
MW-6	03/08/2011	<1,200	<12	<12	<12	<25	---	<25	8,200	---	---	---	18.05	10.59	7.46
MW-6	06/01/2011	<500	<5.0	<5.0	<5.0	<10	---	<10	11,000	---	---	---	18.05	10.65	7.40
MW-6	09/19/2011	1,000 j	<10	<10	<10	<20	---	<20	16,000	<20	<20	<20	18.05	11.56	6.49
MW-6	12/02/2011	150	<0.500	<0.500	<0.500	<0.500	---	6.91	4,170	---	---	---	18.05	11.95	6.10
MW-6	03/05/2012	<1,000	<10	<10	<10	<20	---	<10	9,600	---	---	---	18.05	12.02	6.03
MW-6	**06/12/2012**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**---**	**3.5**	**5,000**	**---**	**---**	**---**	**18.05**	**11.16**	**6.89**
MW-6	**09/14/2012**	**<500**	**<5.0**	**<5.0**	**<5.0**	**<10**	**---**	**<5.0**	**8,200**	**<5.0**	**<5.0**	**<5.0**	**18.05**	**12.02**	**6.03**
MW-7	03/28/2003	Well inaccessible	---	---	---	---	---	---	---	---	---	---	19.16	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)
MW-7	04/07/2003	---	---	---	---	---	---	---	---	---	---	---	19.16	13.85	5.31
MW-7	04/15/2003	6,000	<100	<100	<100	<200	---	19,000	---	---	---	---	19.16	13.95	5.21
MW-7	06/13/2003	<5,000	<50	<50	<50	<100	---	5,700	---	---	---	---	19.16	13.92	5.24
MW-7	09/26/2003	<250	<2.5	<2.5	<2.5	<5.0	---	110	---	---	---	---	19.13	13.85	5.28
MW-7	11/24/2003	<50	<0.50	0.59	<0.50	1.7	---	7.6	---	---	---	---	19.13	13.99	5.14
MW-7	03/01/2004	67 b	<0.50	<0.50	<0.50	<1.0	---	120	---	---	---	---	19.13	10.85	8.28
MW-7	06/15/2004	120 b	<0.50	<0.50	<0.50	<1.0	---	89	---	---	---	---	19.13	13.27	5.86
MW-7	09/16/2004	<500	<5.0	<5.0	<5.0	<10	---	130	4,700	<20	<20	<20	19.13	12.83	6.30
MW-7	12/29/2004	<500	<5.0	<5.0	<5.0	<10	---	130	---	---	---	---	19.13	11.82	7.31
MW-7	02/28/2005	---	---	---	---	---	---	---	---	---	---	---	19.13	10.59	8.54
MW-7	03/23/2005	<1,000	<10	<10	<10	<20	---	16	---	---	---	---	19.13	11.16	7.97
MW-7	05/18/2005	67 g	<0.50	<0.50	<0.50	<1.0	---	12	---	---	---	---	19.13	10.42	8.71
MW-7	08/16/2005	---	---	---	---	---	---	---	---	---	---	---	19.13	11.52	7.61
MW-7	09/15/2005	<500	<5.0	<5.0	<5.0	<10	---	75	16,000	<20	<20	<20	19.13	11.95	7.18
MW-7	10/26/2005	---	---	---	---	---	---	---	---	---	---	---	19.13	12.23	6.90
MW-7	12/13/2005	1,210	<0.500	<0.500	<0.500	<0.500	---	19.1	14,600 e	---	---	---	19.13	12.15	6.98
MW-7	03/08/2006	989	<0.500	<0.500	<0.500	<0.500	---	7.29	14,000	---	---	---	19.13	10.70	8.43
MW-7	06/27/2006	370	<0.50	<0.50	<0.50	<0.50	---	16	20,000 a	---	---	---	19.13	10.77	8.36
MW-7	09/25/2006	840 j	<10	<10	<10	<20	---	<20	22,000	<20	<20	<20	19.13	12.04	7.09
MW-7	12/21/2006	740	<0.50	<0.50	<0.50	<1.0	---	7.5	27,000	---	---	---	19.13	12.18	6.95
MW-7	03/20/2007	460 j	<50	<50	<50	<100	---	<100	24,000	---	---	---	19.13	11.67	7.46
MW-7	06/18/2007	310 m	<5.0	<10	<10	<10	---	2.7 l	32,000	---	---	---	19.13	12.31	6.82
MW-7	08/30/2007	560 n	<25	<50	<50	<50	---	<50	28,000	<100	<100	<100	19.13	12.76	6.37
MW-7	12/28/2007	74 n	<25	<50	<50	<50	---	<50	26,000	---	---	---	19.13	12.85	6.28
MW-7	03/26/2008	1,400	<5.0	<10	<10	<10	---	<10	32,000	---	---	---	19.13	12.04	7.09
MW-7	05/29/2008	3,000	<25	<50	<50	<50	---	<50	44,000	---	---	---	19.13	12.80	6.33
MW-7	09/25/2008	3,600	<25	<50	<50	<50	---	<50	36,000	<100	<100	<100	19.13	13.14	5.99
MW-7	12/16/2008	1,700	<10	<20	<20	<20	---	<20	29,000	---	---	---	19.13	13.34	5.79
MW-7	02/26/2009	1,300	<10	<20	<20	<20	---	<20	19,000	---	---	---	19.13	12.16	6.97
MW-7	05/26/2009	1,600	<10	<20	<20	<20	---	<20	32,000	---	---	---	19.13	12.56	6.57

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-7	09/02/2009	1,800	<10	<20	<20	<20	---	<20	33,000	<40	<40	<40	19.13	13.44	5.69
MW-7	03/10/2010	<1,000	<10	<20	<20	<20	---	<20	25,000	---	---	---	19.13	11.62	7.51
MW-7	08/31/2010	<1,000	<10	<20	<20	<20	---	<20	27,000	<40	<40	<40	19.13	12.90	6.23
MW-7	12/21/2010	<2,500	<25	<50	<50	<50	---	<50	22,000	---	---	---	19.13	12.11	7.02
MW-7	03/08/2011	<2,000	<20	<20	<20	<40	---	<40	9,600	---	---	---	19.13	11.51	7.62
MW-7	06/01/2011	620	<20	<20	<20	<40	---	<40	35,000	---	---	---	19.13	11.56	7.57
MW-7	09/19/2011	2,700	<25	<25	<25	<50	---	<50	48,000	<50	<50	<50	19.13	12.58	6.55
MW-7	12/02/2011	370	<0.500	<0.500	<0.500	<0.500	---	4.21	14,300	---	---	---	19.13	12.90	6.23
MW-7	03/05/2012	<2,500	<25	<25	<25	<50	---	<25	42,000	---	---	---	19.13	13.22	5.91
MW-7	**06/12/2012**	**<2,500**	**<25**	**<25**	**<25**	**<50**	**---**	**<25**	**39,000**	**---**	**---**	**---**	**19.13**	**12.06**	**7.07**
MW-7	**09/14/2012**	**<5,000**	**<50**	**<50**	**<50**	**<100**	**---**	**<50**	**54,000**	**<50**	**<50**	**<50**	**19.13**	**12.86**	**6.27**
MW-8	03/28/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	18.72	---	---
MW-8	04/07/2003	---	---	---	---	---	---	---	---	---	---	---	18.72	14.13	4.59
MW-8	04/15/2003	890	29	22	15	71	---	430	---	---	---	---	18.72	14.10	4.62
MW-8	06/13/2003	---	---	---	---	---	---	---	---	---	---	---	18.72	13.94	4.78
MW-8	09/26/2003	<250	55	51	33	140	---	330	---	---	---	---	18.71	14.21	4.50
MW-8	11/24/2003	<5,000	<50	<50	<50	<100	---	5,600	---	---	---	---	18.71	14.16	4.55
MW-8	03/01/2004	<50	<0.50	<0.50	<0.50	<1.0	---	12	---	---	---	---	18.71	10.34	8.37
MW-8	06/15/2004	2,800	170	240	140	560	---	440	---	---	---	---	18.71	13.88	4.83
MW-8	09/16/2004	2,500	180	200	120	490	---	480	260	<10	<10	<10	18.71	13.92	4.79
MW-8	12/29/2004	4,400	360	600	280	1,400	---	690	---	---	---	---	18.71	13.44	5.27
MW-8	02/28/2005	---	---	---	---	---	---	---	---	---	---	---	18.71	10.15	8.56
MW-8	03/23/2005	2,800	120	190	110	420	---	300	---	---	---	---	18.71	13.79	4.92
MW-8	05/18/2005	250	34	3.4	6.6	27	---	110	---	---	---	---	18.71	10.85	7.86
MW-8	08/16/2005	---	---	---	---	---	---	---	---	---	---	---	18.71	10.95	7.76
MW-8	09/15/2005	460 f	54	21	24	92	---	250	130	<4.0	<4.0	<4.0	18.71	11.38	7.33
MW-8	10/26/2005	---	---	---	---	---	---	---	---	---	---	---	18.71	11.75	6.96
MW-8	12/13/2005	1,180	49.6	4.89 h	15.2	76.0	---	320 a	1,870	---	---	---	18.71	11.80	6.91
MW-8	03/08/2006	1,040	48.0	1.82	5.07	19.9	---	271	190	---	---	---	18.71	10.50	8.21

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-8	06/27/2006	730	80	<2.5	8.6	28	---	360	500 a	---	---	---	18.71	10.00	8.71
MW-8	09/25/2006	830	120	4.1	3.0	15	---	260	420	3.7	<2.5	<2.5	18.71	11.42	7.29
MW-8	12/21/2006	1,200	140	3.8	2.3	12	---	190	1,100	---	---	---	18.71	12.08	6.63
MW-8	03/20/2007	660	100	2.3	1.3	2.9	---	280	660	---	---	---	18.71	11.56	7.15
MW-8	06/18/2007	1,200	270	4.9	2.0	6.21	---	230	1,300	---	---	---	18.71	11.72	6.99
MW-8	08/30/2007	1,100 n	160	3.8	2.3	7.64 l	---	150	840	5.2	<2.0	<2.0	18.71	12.22	6.49
MW-8	12/28/2007	610 n	89	1.8	0.58 l	2.33 l	---	140	820	---	---	---	18.71	12.26	6.45
MW-8	03/26/2008	240	19	<1.0	<1.0	<1.0	---	58	390	---	---	---	18.71	11.45	7.26
MW-8	05/29/2008	290	25	<1.0	<1.0	<1.0	---	99	800	---	---	---	18.71	12.13	6.58
MW-8	09/25/2008	500	32	<1.0	<1.0	1.3	---	63	930	2.5	<2.0	<2.0	18.71	15.31	3.40
MW-8	12/16/2008	550	71	1.4	<1.0	1.8	---	46	1,400	---	---	---	18.71	12.92	5.79
MW-8	02/26/2009	120	0.97	<1.0	<1.0	<1.0	---	4.9	62	---	---	---	18.71	11.50	7.21
MW-8	05/26/2009	200	18	<1.0	<1.0	<1.0	---	39	710	---	---	---	18.71	11.91	6.80
MW-8	09/02/2009	480	55	1.6	<1.0	3.4	---	48	1,200	2.6	<2.0	<2.0	18.71	12.90	5.81
MW-8	03/10/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.6	14	---	---	---	18.71	11.02	7.69
MW-8	08/31/2010	650	110	11	6.5	25	---	48	1,200	2.2	<2.0	<2.0	18.71	12.20	6.51
MW-8	03/08/2011	97	<0.50	<0.50	<0.50	<1.0	---	3.7	23	---	---	---	18.71	10.80	7.91
MW-8	09/19/2011	1,200	370 o	13 o	3.3 o	30 o	---	53 o	2,500 o	<5.0 o	<5.0 o	<5.0 o	18.71	11.94	6.77
MW-8	03/05/2012	700	160	<2.5	<2.5	<5.0	---	23	2,800	---	---	---	18.71	12.62	6.09
MW-8	**09/14/2012**	**1,200**	**300**	**13**	**17**	**19**	**---**	**42**	**3,600**	**<2.5**	**<2.5**	**<2.5**	**18.71**	**12.70**	**6.01**
MW-9	03/28/2003	---	---	---	---	---	---	---	---	---	---	---	18.78	11.19	7.59
MW-9	04/15/2003	420	<2.5	<2.5	<2.5	6.3	---	37	---	---	---	---	18.78	11.24	7.54
MW-9	06/13/2003	290 b	<0.50	<0.50	<0.50	2.6	---	34	---	---	---	---	18.78	11.39	7.39
MW-9	09/26/2003	540 b	<0.50	<0.50	<0.50	9.2	---	21	---	---	---	---	18.78	12.12	6.66
MW-9	11/24/2003	650 d	<0.50	<0.50	<0.50	6.3	---	14	---	---	---	---	18.78	12.30	6.48
MW-9	03/01/2004	230 d	<0.50	<0.50	<0.50	1.7	---	7.7	---	---	---	---	18.78	10.45	8.33
MW-9	06/15/2004	280	<0.50	<0.50	<0.50	1.9	---	8.3	---	---	---	---	18.78	11.88	6.90
MW-9	09/16/2004	260	<0.50	<0.50	<0.50	1.5	---	3.9	<5.0	<2.0	<2.0	<2.0	18.78	12.26	6.52
MW-9	12/29/2004	220	<0.50	<0.50	<0.50	1.2	---	3.5	---	---	---	---	18.78	11.76	7.02

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*
MW-9	02/28/2005	140 g	<0.50	<0.50	<0.50	<1.0	---	1.5	---	---	---	---	18.78	10.21	8.57
MW-9	03/23/2005	---	---	---	---	---	---	---	---	---	---	---	18.78	10.14	8.64
MW-9	05/18/2005	210 g	<0.50	<0.50	<0.50	<1.0	---	2.8	---	---	---	---	18.78	10.21	8.57
MW-9	08/16/2005	---	---	---	---	---	---	---	---	---	---	---	18.78	11.25	7.53
MW-9	09/15/2005	230 g	<0.50	<0.50	<0.50	1.1	---	2.6	<5.0	<2.0	<2.0	<2.0	18.78	11.75	7.03
MW-9	10/26/2005	---	---	---	---	---	---	---	---	---	---	---	18.78	11.97	6.81
MW-9	12/13/2005	504	<0.500	<0.500	<0.500	2.53	---	2.88	---	---	---	---	18.78	11.92	6.86
MW-9	03/08/2006	205	<0.500	<0.500	<0.500	<0.500	---	1.45	---	---	---	---	18.78	10.05	8.73
MW-9	06/27/2006	260	<0.50	<0.50	<0.50	<0.50	---	1.9	---	---	---	---	18.78	10.64	8.14
MW-9	09/25/2006	160	<0.50	<0.50	<0.50	<1.0	---	1.6	<10	<1.0	<1.0	<1.0	18.78	11.78	7.00
MW-9	12/21/2006	300	<0.50	<0.50	<0.50	<1.0	---	1.4	---	---	---	---	18.78	11.86	6.92
MW-9	03/20/2007	150 j	<0.50	<0.50	<0.50	<1.0	---	1.2	---	---	---	---	18.78	11.34	7.44
MW-9	06/18/2007	81	0.18 l	<1.0	<1.0	0.27 l	---	1.2	---	---	---	---	18.78	12.01	6.77
MW-9	08/30/2007	52 n	<0.50	<1.0	<1.0	0.31 l	---	1.6	<10	<2.0	<2.0	<2.0	18.78	12.49	6.29
MW-9	12/28/2007	61 n	<0.50	<1.0	<1.0	0.27 l	---	1.9	---	---	---	---	18.78	12.84	5.94
MW-9	03/26/2008	89	<0.50	<1.0	<1.0	<1.0	---	1.6	---	---	---	---	18.78	12.30	6.48
MW-9	05/29/2008	130	<0.50	<1.0	<1.0	<1.0	---	7.4	---	---	---	---	18.78	12.61	6.17
MW-9	09/25/2008	63	<0.50	<1.0	<1.0	<1.0	---	17	<10	<2.0	<2.0	<2.0	18.78	12.92	5.86
MW-9	12/16/2008	74	<0.50	<1.0	<1.0	<1.0	---	13	---	---	---	---	18.78	13.03	5.75
MW-9	02/26/2009	81	<0.50	<1.0	<1.0	<1.0	---	14	---	---	---	---	18.78	11.94	6.84
MW-9	05/26/2009	140	<0.50	<1.0	<1.0	<1.0	---	5.8	---	---	---	---	18.78	12.47	6.31
MW-9	09/02/2009	54	<0.50	<1.0	<1.0	<1.0	---	16	<10	<2.0	<2.0	<2.0	18.42	13.00	5.42
MW-9	03/10/2010	<50	<0.50	<1.0	<1.0	<1.0	---	1.4	---	---	---	---	18.42	11.05	7.37
MW-9	08/31/2010	<50	<0.50	<1.0	<1.0	<1.0	---	12	<10	<2.0	<2.0	<2.0	18.42	12.35	6.07

Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to June 28, 2001, analyzed by EPA Method 8015 unless

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to June 28, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary-butyl ether analyzed by method noted

TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
TOC = Top of casing elevation, in feet relative to mean sea level
GW = Groundwater
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
<x = Not detected at reporting limit x
--- = Not analyzed or not available

a = Sample was analyzed outside the EPA recommended holding time.
b = Hydrocarbon reported does not match the laboratory standard.
c = Unable to gauge
d = Sample contains discrete peaks in addition to gasoline.
e = Estimated value. The concentration exceeded the calibration of analysis.
f = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
g = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
h = Analyte was detected in the associated Method Blank.
i = Sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
j = Hydrocarbon result partly due to individual peak(s) in quantitation range.
k = Reporting limit raised due to high concentrations of non-target analytes.
l = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
m = 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.
n = Analyzed by the EPA method 8015B(M)
o = Sample container contained headspace

Wells MW-1, MW-2, and MW-3 surveyed December 9, 1998 by Virgil Chavez Land Surveying
Wells MW-6 through MW-9 surveyed April 10, 2003 by Virgil Chavez Land Surveying

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
610 MARKET STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*

Wells MW-2, MW-3, MW-6, MW-7, and MW-8 surveyed September 23, 2003 by Virgil Chavez Land Surveying
Well MW-9 surveyed October 20, 2009 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. – FIELD NOTES

WELL GAUGING DATA

Project # 120612-PH1 Date 6/12/12 Client Shell

Site 610 Market St., Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOC~~	Notes
MW-6	0938	4					11.16	18.60	↓	
MW-7	0948	4					12.06	18.32	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 120612-PH1	Site: 98995750
Sampler: PH	Date: 6/12/12
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.60	Depth to Water (DTW): 11.16
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]: 12.64	

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

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

4.8 (Gals.) X	3	=	14.5 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
1154	71.7	6.4	729	76	5	
	—	—	Dewatered	@ 7.5 gallons	—	
1030	69.5	6.6	846	77	—	

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

Sampling Date: 6/12/12 Sampling Time: 1030 Depth to Water: 11.90

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

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

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 #: 120612-PH1	Site: 98995750
Sampler: PH	Date: 6/12/12
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.32	Depth to Water (DTW): 12.06
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]: 13.31	

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

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

4.0 (Gals.) X	3	=	12.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1027	69.1	6.5	918	90	4	
		—	Purged @ 6 gallons			
1045	69.6	6.7	1114	112	—	

Did well dewater? (Yes) No Gallons actually evacuated: 6

Sampling Date: 6/12/12 Sampling Time: 1045 Depth to Water: 12.97

Sample I.D.: MW-7 Laboratory: (Test America) Other_____

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

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 # 98995750

DATE: 6/12/12

ADDRESS 610 Market St.

CITY & STATE Oakland, CA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-6	Standpipe	(Flush)	(G)	P	Size (inch) 36	(Y)	N	(G)	R	(G)	R	NL	(G)	P	vault	Y	N	
MW-7	Standpipe	(Flush)	(G)	P	Size (inch) 36	(Y)	N	(G)	R	(G)	R	NL	(G)	P	vault	Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

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

Condition of Soil Boring Patches or Abandoned Monitoring Wells			If POOR, Borings/Well IDs or Location Description	Photos	
G	P	(N/A)		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) / Building / Building w/ Fence Comp. / Fenced Compound / Trailer	G	P	(N/A)	G	P	(N/A)	G	P	(N/A)	Y	N	(N/A)		Y	N	

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).

Patrick Harmon / Blaine Tech Services

Print or type Name of Field Personnel & Consultant Company

WELL GAUGING DATA

Project # 120914-J02 Date 9/14/12 Client Shell

Site 610 Market St, Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1055	4					15.15	24.52		
MW-2	1050	4					10.90	17.60		
MW-3	1050	4					11.80	18.43		
MW-4	1140	4					12.05	19.70		
MW-5	1151	4					11.90	20.02		
MW-6	1057	4					12.02	18.56		
MW-7	1100	4					12.86	18.30		
MW-8	1159	4					12.70	18.27	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 120914-JO2	Site: 98995750
Sampler: JO / PH	Date: 9/14/12
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.52	Depth to Water (DTW): 15.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.02	

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: ____

6.0	(Gals.) X	3	=	18 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
1134	70.2	6.57	892	52	6.0	
	well dewatered @		7.0	gallons		
1245	70.1	6.60	887	44	___	

Did well dewater? (Yes) No Gallons actually evacuated: 7.0

Sampling Date: 9/14/12 Sampling Time: 1245 Depth to Water: 16.88

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

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

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 #: 120914-JO2	Site: 98995750
Sampler: JO / PH	Date: 9/14/12
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.60	Depth to Water (DTW): 10.90
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]: 12.24	

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: _____

4.3 (Gals.) X 3 = 12.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1120	69.1	6.34	704	20	4.3	
	well	dewatered @ 4.5 gallons			~~8.6~~	
1230	70.7	6.37	709	21	—	

Did well dewater? (Yes) No Gallons actually evacuated: 4.5

Sampling Date: 9/14/12 Sampling Time: 1230 Depth to Water: 11.92

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

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

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 #: 120914-JO2	Site: 98995750
Sampler: JO / PH	Date: 9/14/12
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.43	Depth to Water (DTW): 11.80
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]: 13.12	

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

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

4.3 (Gals.) X	3	=	12.9 Gals.	
1 Case Volume	Specified Volumes		Calculated Volume	

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1120	73.2	6.6	613	120	4.5	
	—	Dewatered @		4.5 gallons	—	
1230	74.5	6.6	594	99	—	

Did well dewater? (Yes) No Gallons actually evacuated: 4.5

Sampling Date: 9/14/12 Sampling Time: 1230 Depth to Water: 12.75

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

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

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 #: 120914-JO2	Site: 98995750
Sampler: JO / PH	Date: 9/14/12
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.70	Depth to Water (DTW): 12.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.91	

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:_____

4.9 (Gals.) X	3	=	14.7 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
1144	73.0	6.5	1112	155	5	
	—	Dewatered @		5 gallons	—	
1250	72.8	6.8	1104	93	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Date: 9/14/12 Sampling Time: 1250 Depth to Water: 13.74

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

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

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 #: 120914-JO2	Site: 98995750
Sampler: JO / PH	Date: 9/14/12
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 22.02	Depth to Water (DTW): 11.90
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]: 13.52	

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

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

5.3 (Gals.) X	3	=	15.8 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
1134	71.9	6.7	1010	12.1	5.5	
	—		Dewatered @ 6 gallons		—	
1240	73.0	6.6	993	21.3	—	

Did well dewater? (Yes) No Gallons actually evacuated: 6

Sampling Date: 9/14/12 Sampling Time: 1240 Depth to Water: 12.22

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

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

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 #: 120914-JO2	Site: 98995750
Sampler: JO / PH	Date: 9/14/12
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.56	Depth to Water (DTW): 12.02
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]: 13.32	

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

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

4.2 (Gals.) X 3 = 12.7 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
1150	72.0	6.6	832	82	4.5	
	—	Dewatered @ 5 gallons			—	
1300	75.5	6.8	959	354	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5

Sampling Date: 9/14/12 Sampling Time: 1300 Depth to Water: 12.12

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

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

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 #: 120914-J02	Site: 98995750
Sampler: JO / PH	Date: 9/14/12
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.30	Depth to Water (DTW): 12.86
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.94	

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: ___

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1257	70.0	6.77	1164	51	3.5	
	well dewatered @ 4 gallons					
1305	70.1	6.81	1159	44	—	

Did well dewater? Yes No Gallons actually evacuated: 4.0

Sampling Date: 9/14/12 Sampling Time: 1305 Depth to Water: 13.72

Sample I.D.: MW-7 Laboratory: (Test America) Other ___

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

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 #: 120914-JO2	Site: 98995750
Sampler: JO / PH	Date: 9/14/12
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.27	Depth to Water (DTW): 12.70
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]: 14.51	

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

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

3.6 (Gals.) X 3 = 10.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1145	69.1	7.05	1164	39	3.6	
		Dewatered @		40 gallons	4.0	
1255	70.3	7.02	1170	33	—	

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

Sampling Date: 9/14/12 Sampling Time: 1255 Depth to Water: 13.21

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

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

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 # 98995730

ADDRESS 610 Market, Oakland

DATE: 9/14/12

CITY & STATE CA

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-1	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P	1/2 Tabs Broken	Y	N	
MW-6	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 36	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

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

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

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																	
Building																	
Building w/ Fence Comp.		G	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
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

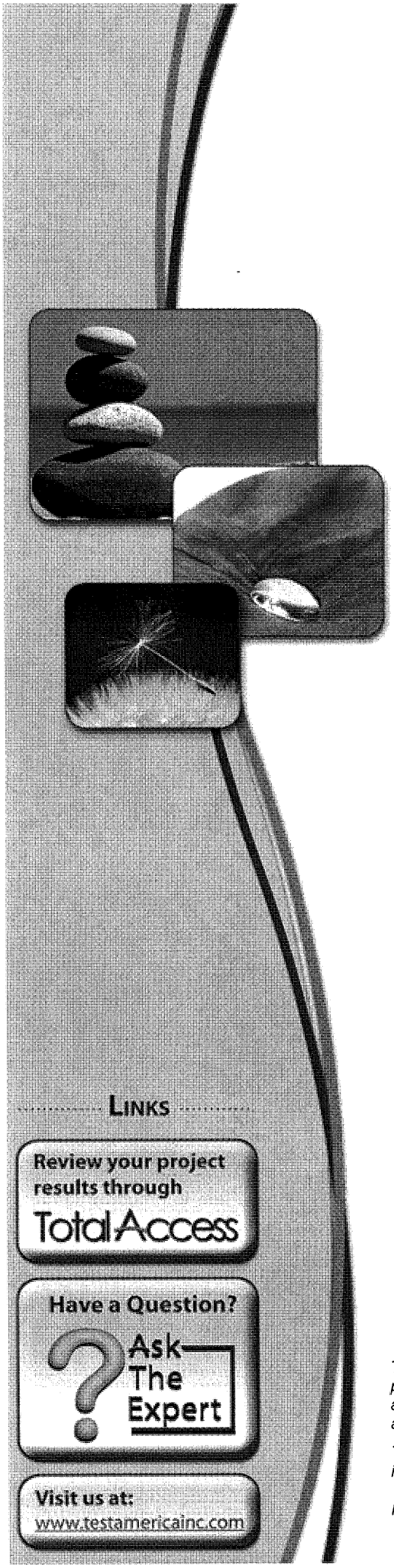
All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

Patrick Harris / Blaine Tech Services

Print or type Name of Field Personnel & Consultant Company

APPENDIX B

TESTAMERICA LABORATORIES, INC. – ANALYTICAL REPORTS



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: 440-14870-1
Client Project/Site: 610 Market St., Oakland, CA

For:
Conestoga-Rovers & Associates, Inc.
19449 Riverside Drive, Suite 230
Sonoma, California 95476

Attn: Peter Schaefer

Philip Sanelle

Authorized for release by:
6/29/2012 10:41:41 AM

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

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-14870-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-14870-1	MW-6	Water	06/12/12 10:30	06/15/12 09:50
440-14870-2	MW-7	Water	06/12/12 10:45	06/15/12 09:50

Job ID: 440-14870-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-14870-1

Comments
No additional comments.

Receipt
The samples were received on 6/15/2012 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

GC/MS VOA
Method(s) 8260B/CA_LUFTMS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 34740 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample ID: MW-6

Lab Sample ID: 440-14870-1

Date Collected: 06/12/12 10:30
Matrix: Water
Date Received: 06/15/12 09:50

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		250		ug/L			06/24/12 20:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/24/12 20:39*	*5*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/24/12 20:39*	*5*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/24/12 20:39*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.5		ug/L			06/24/12 20:39	5
Toluene	ND		2.5		ug/L			06/24/12 20:39	5
Ethylbenzene	ND		2.5		ug/L			06/24/12 20:39	5
Xylenes, Total	ND		5.0		ug/L			06/24/12 20:39	5
Methyl-t-Butyl Ether (MTBE)	**3.5**		2.5		ug/L			06/24/12 20:39	5
tert-Butyl alcohol (TBA)	**5000**		50		ug/L			06/24/12 20:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/24/12 20:39*	*5*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*06/24/12 20:39*	*5*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/24/12 20:39*	*5*

Client Sample ID: MW-7

Lab Sample ID: 440-14870-2

Date Collected: 06/12/12 10:45
Matrix: Water
Date Received: 06/15/12 09:50

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		2500		ug/L			06/23/12 06:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*84*		*80 - 120*		*06/23/12 06:45*	*50*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/23/12 06:45*	*50*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/23/12 06:45*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		25		ug/L			06/23/12 06:45	50
Toluene	ND		25		ug/L			06/23/12 06:45	50
Ethylbenzene	ND		25		ug/L			06/23/12 06:45	50
Xylenes, Total	ND		50		ug/L			06/23/12 06:45	50
Methyl-t-Butyl Ether (MTBE)	ND		25		ug/L			06/23/12 06:45	50
tert-Butyl alcohol (TBA)	**39000**		500		ug/L			06/23/12 06:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/23/12 06:45*	*50*
Dibromofluoromethane (Surr)	*84*		*80 - 120*		*06/23/12 06:45*	*50*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/23/12 06:45*	*50*

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-14870-1

Client Sample ID: MW-6

Lab Sample ID: 440-14870-1

Date Collected: 06/12/12 10:30

Matrix: Water

Date Received: 06/15/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	5	10 mL	10 mL	34828	06/24/12 20:39	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		5	10 mL	10 mL	34829	06/24/12 20:39	YK	TAL IRV

Client Sample ID: MW-7

Lab Sample ID: 440-14870-2

Date Collected: 06/12/12 10:45

Matrix: Water

Date Received: 06/15/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	10 mL	10 mL	34699	06/23/12 06:45	WC	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		50	10 mL	10 mL	34700	06/23/12 06:45	WC	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 440-34699/5
Matrix: Water
Analysis Batch: 34699

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			06/22/12 21:51	1
Toluene	ND		1.0		ug/L			06/22/12 21:51	1
Ethylbenzene	ND		1.0		ug/L			06/22/12 21:51	1
Xylenes, Total	ND		2.0		ug/L			06/22/12 21:51	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			06/22/12 21:51	1
tert-Butyl alcohol (TBA)	ND		20		ug/L			06/22/12 21:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/22/12 21:51*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/22/12 21:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/22/12 21:51*	*1*

Lab Sample ID: LCS 440-34699/6
Matrix: Water
Analysis Batch: 34699

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.6		ug/L		99	70 - 120
Toluene	25.0	24.5		ug/L		98	70 - 120
Ethylbenzene	25.0	25.7		ug/L		103	75 - 125
m,p-Xylene	50.0	51.9		ug/L		104	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	22.0		ug/L		88	60 - 135
o-Xylene	25.0	25.3		ug/L		101	75 - 125
tert-Butyl alcohol (TBA)	125	132		ug/L		105	70 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 440-14872-B-3 MS
Matrix: Water
Analysis Batch: 34699

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	25.8		ug/L		103	65 - 125
Toluene	ND		25.0	25.3		ug/L		101	70 - 125
Ethylbenzene	ND		25.0	26.1		ug/L		104	65 - 130
m,p-Xylene	ND		50.0	53.0		ug/L		106	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		25.0	25.0		ug/L		100	55 - 145
o-Xylene	ND		25.0	26.3		ug/L		105	65 - 125
tert-Butyl alcohol (TBA)	ND		125	140		ug/L		112	65 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: 440-14872-B-3 MSD
Matrix: Water
Analysis Batch: 34699

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	26.2		ug/L		105	65 - 125	1	20
Toluene	ND		25.0	25.8		ug/L		103	70 - 125	2	20
Ethylbenzene	ND		25.0	26.8		ug/L		107	65 - 130	3	20
m,p-Xylene	ND		50.0	54.1		ug/L		108	65 - 130	2	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	26.0		ug/L		104	55 - 145	4	25
o-Xylene	ND		25.0	27.1		ug/L		108	65 - 125	3	20
tert-Butyl alcohol (TBA)	ND		125	143		ug/L		114	65 - 140	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 440-34828/4
Matrix: Water
Analysis Batch: 34828

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/24/12 13:39	1
Toluene	ND		0.50		ug/L			06/24/12 13:39	1
Ethylbenzene	ND		0.50		ug/L			06/24/12 13:39	1
Xylenes, Total	ND		1.0		ug/L			06/24/12 13:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			06/24/12 13:39	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			06/24/12 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/24/12 13:39*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*06/24/12 13:39*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/24/12 13:39*	*1*

Lab Sample ID: LCS 440-34828/5
Matrix: Water
Analysis Batch: 34828

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	25.4		ug/L		102	70 - 120
Toluene	25.0	25.7		ug/L		103	70 - 120
Ethylbenzene	25.0	26.3		ug/L		105	75 - 125
m,p-Xylene	50.0	53.6		ug/L		107	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	23.6		ug/L		94	60 - 135
o-Xylene	25.0	26.0		ug/L		104	75 - 125
tert-Butyl alcohol (TBA)	125	139		ug/L		111	70 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: 440-15130-E-4 MS
Matrix: Water
Analysis Batch: 34828

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	25.7		ug/L		103	65 - 125
Toluene	ND		25.0	25.8		ug/L		103	70 - 125
Ethylbenzene	ND		25.0	26.1		ug/L		105	65 - 130
m,p-Xylene	ND		50.0	53.9		ug/L		108	65 - 130
Methyl-t-Butyl Ether (MTBE)	2.3		25.0	27.7		ug/L		102	55 - 145
o-Xylene	ND		25.0	26.1		ug/L		104	65 - 125
tert-Butyl alcohol (TBA)	ND		125	137		ug/L		110	65 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 440-15130-E-4 MSD
Matrix: Water
Analysis Batch: 34828

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	28.1		ug/L		112	65 - 125	9	20
Toluene	ND		25.0	28.2		ug/L		113	70 - 125	9	20
Ethylbenzene	ND		25.0	28.8		ug/L		115	65 - 130	10	20
m,p-Xylene	ND		50.0	60.0		ug/L		120	65 - 130	11	25
Methyl-t-Butyl Ether (MTBE)	2.3		25.0	28.2		ug/L		104	55 - 145	2	25
o-Xylene	ND		25.0	29.2		ug/L		117	65 - 125	11	20
tert-Butyl alcohol (TBA)	ND		125	148		ug/L		119	65 - 140	8	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 440-34700/4
Matrix: Water
Analysis Batch: 34700

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/22/12 21:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/22/12 21:23*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/22/12 21:23*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/22/12 21:23*	*1*

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

Lab Sample ID: LCS 440-34700/7
Matrix: Water
Analysis Batch: 34700

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	552		ug/L		110	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 440-14872-B-3 MS
Matrix: Water
Analysis Batch: 34700

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)	92		1730	1430		ug/L		78	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 440-14872-B-3 MSD
Matrix: Water
Analysis Batch: 34700

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)	92		1730	1440		ug/L		78	50 - 145	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 440-34829/4
Matrix: Water
Analysis Batch: 34829

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/24/12 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*06/24/12 13:39*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/24/12 13:39*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/24/12 13:39*	*1*

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

Lab Sample ID: LCS 440-34829/6
Matrix: Water
Analysis Batch: 34829

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	520		ug/L		104	55 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*87*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 440-15130-E-4 MS
Matrix: Water
Analysis Batch: 34829

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	1360		ug/L		79	50 - 145		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 440-15130-E-4 MSD
Matrix: Water
Analysis Batch: 34829

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	1500		ug/L		87	50 - 145	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-14870-1

GC/MS VOA

Analysis Batch: 34699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14870-2	MW-7	Total/NA	Water	8260B	
440-14872-B-3 MS	Matrix Spike	Total/NA	Water	8260B	
440-14872-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-34699/6	Lab Control Sample	Total/NA	Water	8260B	
MB 440-34699/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 34700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14870-2	MW-7	Total/NA	Water	8260B/CA_LUFT MS	
440-14872-B-3 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-14872-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-34700/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-34700/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 34828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14870-1 - RA	MW-6	Total/NA	Water	8260B	
440-15130-E-4 MS	Matrix Spike	Total/NA	Water	8260B	
440-15130-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-34828/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-34828/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 34829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14870-1	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
440-15130-E-4 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-15130-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-34829/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-34829/4	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: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-14870-1

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

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: 240594 Peter Schaefer

INCIDENT # (ENV SERVICES): 9 8 9 9 5 7 5 0 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 6/12/12

PO #:

SAP #: 1 3 5 6 9 2

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS: Street and City: 610 Market St., Oakland	State: CA	GLOBAL ID NO.: T0600102121
ADDRESS: 1680 Rogers Avenue, San Jose, CA		EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville, CA	PHONE NO.: 510-420-3343	E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com	CONSULTANT PROJECT NO.: 240594-95-12.04
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King		SAMPLER NAME(S) (Print): Patrick Harms	LAB USE ONLY: 140-14970
TELEPHONE: (310) 885-4455 x 108	FAX: (310) 637-5802	E-MAIL: lking@blainetech.com	

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://cralabedduplоad.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

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG -	120612-PH	061212	PH	MW-6	1030	WG	X					3	X				X								
	WG -	120612-PH	061212	PH	MW-7	1045	WG	X					3	X				X								
	-	-	-	-	-																					
	-	-	-	-	-																					
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	-	-	-	-	-																					
	-	-	-	-	-																					

TEMPERATURE ON RECEIPT: (C) 5.4

Relinquished by: (Signature)	Received by: (Signature) (Sample custodian)	Date: 6/12/12	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 6/14/12	Time: 1300
Relinquished by: (Signature) 6/14/12 16:30	Received by: (Signature)	Date: 6/15/12	Time: 9:50

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6/29/2012

Login Sample Receipt Checklist

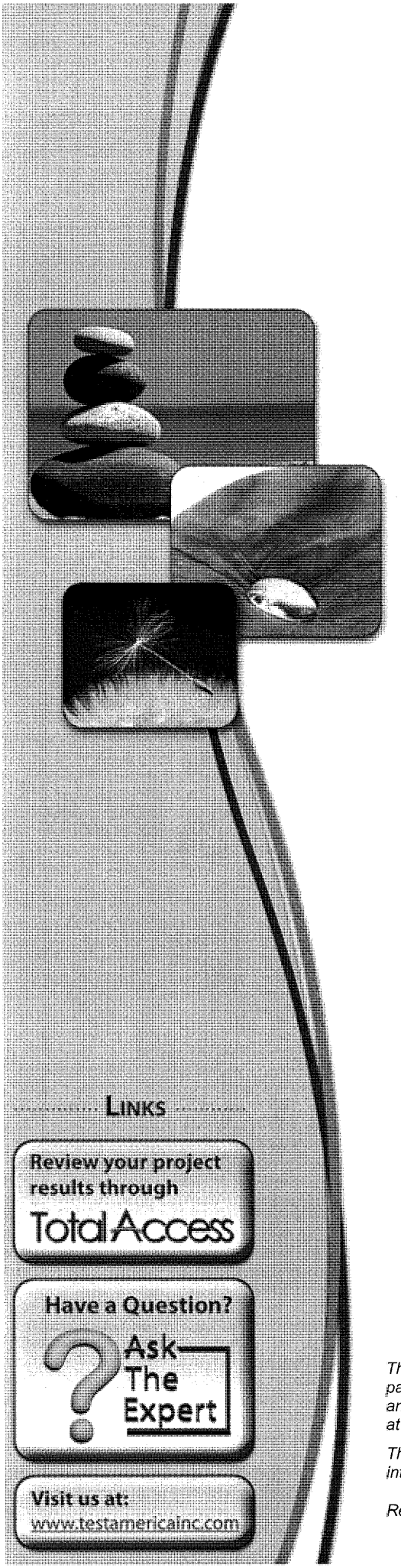
Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-14870-1

Login Number: 14870
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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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	



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: 440-23722-1
Client Project/Site: 610 Market St., Oakland, CA

For:
Conestoga-Rovers & Associates, Inc.
19449 Riverside Drive, Suite 230
Sonoma, California 95476

Attn: Peter Schaefer

Authorized for release by:
10/1/2012 1:42:28 PM

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

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-23722-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-23722-1	MW-1	Water	09/14/12 12:45	09/18/12 10:00
440-23722-2	MW-2	Water	09/14/12 12:30	09/18/12 10:00
440-23722-3	MW-3	Water	09/14/12 12:30	09/18/12 10:00
440-23722-4	MW-4	Water	09/14/12 12:50	09/18/12 10:00
440-23722-5	MW-5	Water	09/14/12 12:40	09/18/12 10:00
440-23722-6	MW-6	Water	09/14/12 13:00	09/18/12 10:00
440-23722-7	MW-7	Water	09/14/12 13:05	09/18/12 10:00
440-23722-8	MW-8	Water	09/14/12 12:55	09/18/12 10:00

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-23722-1

Job ID: 440-23722-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-23722-1

Comments
No additional comments.

Receipt
The samples were received on 9/18/2012 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3° C.

GC/MS VOA
Method(s) 8260B: The matrix spike(MS) recoveries for batch 55206 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample ID: MW-1

Lab Sample ID: 440-23722-1
Matrix: Water

Date Collected: 09/14/12 12:45
Date Received: 09/18/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	450		50		ug/L			09/27/12 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/27/12 22:02*	*1*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*		*09/27/12 22:02*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*09/27/12 22:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**72**		0.50		ug/L			09/27/12 22:02	1
Toluene	**2.3**		0.50		ug/L			09/27/12 22:02	1
Ethylbenzene	**1.9**		0.50		ug/L			09/27/12 22:02	1
Xylenes, Total	**17**		1.0		ug/L			09/27/12 22:02	1
Methyl-t-Butyl Ether (MTBE)	**34**		0.50		ug/L			09/27/12 22:02	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			09/27/12 22:02	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			09/27/12 22:02	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			09/27/12 22:02	1
Tert-amyl-methyl ether (TAME)	**1.3**		0.50		ug/L			09/27/12 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*		*09/27/12 22:02*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/27/12 22:02*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*09/27/12 22:02*	*1*

Client Sample ID: MW-2

Lab Sample ID: 440-23722-2
Matrix: Water

Date Collected: 09/14/12 12:30
Date Received: 09/18/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		250		ug/L			09/27/12 23:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*09/27/12 23:26*	*5*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*09/27/12 23:26*	*5*
Toluene-d8 (Surr)	*107*		*80 - 120*		*09/27/12 23:26*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.5		ug/L			09/27/12 23:26	5
Toluene	ND		2.5		ug/L			09/27/12 23:26	5
Ethylbenzene	ND		2.5		ug/L			09/27/12 23:26	5
Xylenes, Total	ND		5.0		ug/L			09/27/12 23:26	5
Methyl-t-Butyl Ether (MTBE)	**5.9**		2.5		ug/L			09/27/12 23:26	5
Isopropyl Ether (DIPE)	ND		2.5		ug/L			09/27/12 23:26	5
Ethyl-t-butyl ether (ETBE)	ND		2.5		ug/L			09/27/12 23:26	5
Tert-amyl-methyl ether (TAME)	ND		2.5		ug/L			09/27/12 23:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*09/27/12 23:26*	*5*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*09/27/12 23:26*	*5*
Toluene-d8 (Surr)	*107*		*80 - 120*		*09/27/12 23:26*	*5*

Client Sample ID: MW-2

Lab Sample ID: 440-23722-2

Date Collected: 09/14/12 12:30
Date Received: 09/18/12 10:00

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	7900		100		ug/L			09/28/12 14:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*09/28/12 14:38*	*10*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*09/28/12 14:38*	*10*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/28/12 14:38*	*10*

Client Sample ID: MW-3

Lab Sample ID: 440-23722-3

Date Collected: 09/14/12 12:30
Date Received: 09/18/12 10:00

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)	110		50		ug/L			09/27/12 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/27/12 23:53*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*09/27/12 23:53*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*09/27/12 23:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			09/27/12 23:53	1
Toluene	ND		0.50		ug/L			09/27/12 23:53	1
Ethylbenzene	ND		0.50		ug/L			09/27/12 23:53	1
Xylenes, Total	ND		1.0		ug/L			09/27/12 23:53	1
Methyl-t-Butyl Ether (MTBE)	2.4		0.50		ug/L			09/27/12 23:53	1
tert-Butyl alcohol (TBA)	370		10		ug/L			09/27/12 23:53	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			09/27/12 23:53	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			09/27/12 23:53	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			09/27/12 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*09/27/12 23:53*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/27/12 23:53*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*09/27/12 23:53*	*1*

Client Sample ID: MW-4

Lab Sample ID: 440-23722-4

Date Collected: 09/14/12 12:50
Date Received: 09/18/12 10:00

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			09/28/12 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/12 00:21*	*1*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*09/28/12 00:21*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/28/12 00:21*	*1*

Client Sample ID: MW-4

Lab Sample ID: 440-23722-4

Date Collected: 09/14/12 12:50
Date Received: 09/18/12 10:00

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			09/28/12 00:21	1
Toluene	ND		0.50		ug/L			09/28/12 00:21	1
Ethylbenzene	ND		0.50		ug/L			09/28/12 00:21	1
Xylenes, Total	ND		1.0		ug/L			09/28/12 00:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			09/28/12 00:21	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			09/28/12 00:21	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			09/28/12 00:21	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			09/28/12 00:21	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			09/28/12 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*09/28/12 00:21*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/12 00:21*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/28/12 00:21*	*1*

Client Sample ID: MW-5

Lab Sample ID: 440-23722-5

Date Collected: 09/14/12 12:40
Date Received: 09/18/12 10:00

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			09/28/12 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*09/28/12 00:49*	*1*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*09/28/12 00:49*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*09/28/12 00:49*	*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			09/28/12 00:49	1
Toluene	ND		0.50		ug/L			09/28/12 00:49	1
Ethylbenzene	ND		0.50		ug/L			09/28/12 00:49	1
Xylenes, Total	ND		1.0		ug/L			09/28/12 00:49	1
Methyl-t-Butyl Ether (MTBE)	**0.57**		0.50		ug/L			09/28/12 00:49	1
tert-Butyl alcohol (TBA)	**36**		10		ug/L			09/28/12 00:49	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			09/28/12 00:49	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			09/28/12 00:49	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			09/28/12 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*09/28/12 00:49*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*09/28/12 00:49*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*09/28/12 00:49*	*1*

Client Sample ID: MW-6

Lab Sample ID: 440-23722-6

Date Collected: 09/14/12 13:00
Date Received: 09/18/12 10:00

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		500		ug/L			09/28/12 15:06	10

Client Sample ID: MW-6

Lab Sample ID: 440-23722-6

Date Collected: 09/14/12 13:00
Date Received: 09/18/12 10:00

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*09/28/12 15:06*	*10*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*09/28/12 15:06*	*10*
Toluene-d8 (Surr)	*109*		*80 - 120*		*09/28/12 15:06*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/L			09/28/12 15:06	10
Toluene	ND		5.0		ug/L			09/28/12 15:06	10
Ethylbenzene	ND		5.0		ug/L			09/28/12 15:06	10
Xylenes, Total	ND		10		ug/L			09/28/12 15:06	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/L			09/28/12 15:06	10
tert-Butyl alcohol (TBA)	**8200**		100		ug/L			09/28/12 15:06	10
Isopropyl Ether (DIPE)	ND		5.0		ug/L			09/28/12 15:06	10
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/L			09/28/12 15:06	10
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/L			09/28/12 15:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*09/28/12 15:06*	*10*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*09/28/12 15:06*	*10*
Toluene-d8 (Surr)	*109*		*80 - 120*		*09/28/12 15:06*	*10*

Client Sample ID: MW-7

Lab Sample ID: 440-23722-7

Date Collected: 09/14/12 13:05
Date Received: 09/18/12 10:00

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		5000		ug/L			09/28/12 01:44	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/28/12 01:44*	*100*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*		*09/28/12 01:44*	*100*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/28/12 01:44*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		50		ug/L			09/28/12 01:44	100
Toluene	ND		50		ug/L			09/28/12 01:44	100
Ethylbenzene	ND		50		ug/L			09/28/12 01:44	100
Xylenes, Total	ND		100		ug/L			09/28/12 01:44	100
Methyl-t-Butyl Ether (MTBE)	ND		50		ug/L			09/28/12 01:44	100
tert-Butyl alcohol (TBA)	**54000**		1000		ug/L			09/28/12 01:44	100
Isopropyl Ether (DIPE)	ND		50		ug/L			09/28/12 01:44	100
Ethyl-t-butyl ether (ETBE)	ND		50		ug/L			09/28/12 01:44	100
Tert-amyl-methyl ether (TAME)	ND		50		ug/L			09/28/12 01:44	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*		*09/28/12 01:44*	*100*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/28/12 01:44*	*100*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/28/12 01:44*	*100*

Client Sample ID: MW-8
Date Collected: 09/14/12 12:55
Date Received: 09/18/12 10:00

Lab Sample ID: 440-23722-8
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)	1200		250		ug/L			09/28/12 02:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/28/12 02:12*	*5*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*		*09/28/12 02:12*	*5*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/28/12 02:12*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	300		2.5		ug/L			09/28/12 02:12	5
Toluene	13		2.5		ug/L			09/28/12 02:12	5
Ethylbenzene	17		2.5		ug/L			09/28/12 02:12	5
Xylenes, Total	19		5.0		ug/L			09/28/12 02:12	5
Methyl-t-Butyl Ether (MTBE)	42		2.5		ug/L			09/28/12 02:12	5
tert-Butyl alcohol (TBA)	3600		50		ug/L			09/28/12 02:12	5
Isopropyl Ether (DIPE)	ND		2.5		ug/L			09/28/12 02:12	5
Ethyl-t-butyl ether (ETBE)	ND		2.5		ug/L			09/28/12 02:12	5
Tert-amyl-methyl ether (TAME)	ND		2.5		ug/L			09/28/12 02:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*		*09/28/12 02:12*	*5*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/28/12 02:12*	*5*
Toluene-d8 (Surr)	*110*		*80 - 120*		*09/28/12 02:12*	*5*

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-23722-1

Client Sample ID: MW-1

Lab Sample ID: 440-23722-1

Date Collected: 09/14/12 12:45
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	55206	09/27/12 22:02	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	55207	09/27/12 22:02	RM	TAL IRV

Client Sample ID: MW-2

Lab Sample ID: 440-23722-2

Date Collected: 09/14/12 12:30
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	10 mL	10 mL	55206	09/27/12 23:26	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		5	10 mL	10 mL	55207	09/27/12 23:26	RM	TAL IRV
Total/NA	Analysis	8260B	DL	10	10 mL	10 mL	55315	09/28/12 14:38	AL	TAL IRV

Client Sample ID: MW-3

Lab Sample ID: 440-23722-3

Date Collected: 09/14/12 12:30
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	55206	09/27/12 23:53	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	55207	09/27/12 23:53	RM	TAL IRV

Client Sample ID: MW-4

Lab Sample ID: 440-23722-4

Date Collected: 09/14/12 12:50
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	55206	09/28/12 00:21	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	55207	09/28/12 00:21	RM	TAL IRV

Client Sample ID: MW-5

Lab Sample ID: 440-23722-5

Date Collected: 09/14/12 12:40
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	55206	09/28/12 00:49	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	55207	09/28/12 00:49	RM	TAL IRV

Client Sample ID: MW-6

Lab Sample ID: 440-23722-6

Date Collected: 09/14/12 13:00
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	10 mL	10 mL	55315	09/28/12 15:06	AL	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-23722-1

Client Sample ID: MW-6

Lab Sample ID: 440-23722-6

Date Collected: 09/14/12 13:00
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	10 mL	10 mL	55316	09/28/12 15:06	AL	TAL IRV

Client Sample ID: MW-7

Lab Sample ID: 440-23722-7

Date Collected: 09/14/12 13:05
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	10 mL	10 mL	55206	09/28/12 01:44	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		100	10 mL	10 mL	55207	09/28/12 01:44	RM	TAL IRV

Client Sample ID: MW-8

Lab Sample ID: 440-23722-8

Date Collected: 09/14/12 12:55
Date Received: 09/18/12 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	10 mL	10 mL	55206	09/28/12 02:12	RM	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		5	10 mL	10 mL	55207	09/28/12 02:12	RM	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 440-55206/4
Matrix: Water
Analysis Batch: 55206

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			09/27/12 20:11	1
Toluene	ND		0.50		ug/L			09/27/12 20:11	1
Ethylbenzene	ND		0.50		ug/L			09/27/12 20:11	1
Xylenes, Total	ND		1.0		ug/L			09/27/12 20:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			09/27/12 20:11	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			09/27/12 20:11	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			09/27/12 20:11	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			09/27/12 20:11	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			09/27/12 20:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*09/27/12 20:11*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/27/12 20:11*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*09/27/12 20:11*	*1*

Lab Sample ID: LCS 440-55206/5
Matrix: Water
Analysis Batch: 55206

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	22.8		ug/L		91	70 - 120
Toluene	25.0	25.3		ug/L		101	70 - 120
Ethylbenzene	25.0	26.9		ug/L		107	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	21.5		ug/L		86	60 - 135
tert-Butyl alcohol (TBA)	125	158		ug/L		126	70 - 135
Isopropyl Ether (DIPE)	25.0	23.8		ug/L		95	60 - 135
Ethyl-t-butyl ether (ETBE)	25.0	23.0		ug/L		92	65 - 135
m,p-Xylene	50.0	48.5		ug/L		97	75 - 125
o-Xylene	25.0	24.7		ug/L		99	75 - 125
Tert-amyl-methyl ether (TAME)	25.0	20.6		ug/L		82	60 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 440-23722-1 MS
Matrix: Water
Analysis Batch: 55206

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	72		25.0	89.7		ug/L		72	65 - 125
Toluene	2.3		25.0	28.0		ug/L		103	70 - 125
Ethylbenzene	1.9		25.0	28.4		ug/L		106	65 - 130
Methyl-t-Butyl Ether (MTBE)	34		25.0	53.8		ug/L		78	55 - 145
tert-Butyl alcohol (TBA)	ND		125	178	F	ug/L		142	65 - 140
Isopropyl Ether (DIPE)	ND		25.0	26.0		ug/L		104	60 - 140
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.6		ug/L		98	60 - 135
m,p-Xylene	16		50.0	64.0		ug/L		95	65 - 130

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

Lab Sample ID: 440-23722-1 MS
Matrix: Water
Analysis Batch: 55206

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	1.2		25.0	26.8		ug/L		102	65 - 125
Tert-amyl-methyl ether (TAME)	1.3		25.0	23.2		ug/L		88	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: 440-23722-1 MSD
Matrix: Water
Analysis Batch: 55206

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	72		25.0	88.8		ug/L		68	65 - 125	1	20
Toluene	2.3		25.0	28.1		ug/L		103	70 - 125	0	20
Ethylbenzene	1.9		25.0	27.8		ug/L		104	65 - 130	2	20
Methyl-t-Butyl Ether (MTBE)	34		25.0	55.6		ug/L		85	55 - 145	3	25
tert-Butyl alcohol (TBA)	ND		125	165		ug/L		132	65 - 140	7	25
Isopropyl Ether (DIPE)	ND		25.0	26.4		ug/L		106	60 - 140	1	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	25.0		ug/L		100	60 - 135	2	25
m,p-Xylene	16		50.0	62.4		ug/L		92	65 - 130	2	25
o-Xylene	1.2		25.0	26.3		ug/L		101	65 - 125	2	20
Tert-amyl-methyl ether (TAME)	1.3		25.0	23.5		ug/L		89	60 - 140	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: MB 440-55315/4
Matrix: Water
Analysis Batch: 55315

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			09/28/12 08:40	1
Toluene	ND		0.50		ug/L			09/28/12 08:40	1
Ethylbenzene	ND		0.50		ug/L			09/28/12 08:40	1
Xylenes, Total	ND		1.0		ug/L			09/28/12 08:40	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			09/28/12 08:40	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			09/28/12 08:40	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			09/28/12 08:40	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			09/28/12 08:40	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			09/28/12 08:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*09/28/12 08:40*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/12 08:40*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*09/28/12 08:40*	*1*

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

Lab Sample ID: LCS 440-55315/5
Matrix: Water
Analysis Batch: 55315

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	23.5		ug/L		94	70 - 120
Toluene	25.0	26.0		ug/L		104	70 - 120
Ethylbenzene	25.0	27.5		ug/L		110	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	21.6		ug/L		86	60 - 135
tert-Butyl alcohol (TBA)	125	161		ug/L		129	70 - 135
Isopropyl Ether (DIPE)	25.0	24.5		ug/L		98	60 - 135
Ethyl-t-butyl ether (ETBE)	25.0	23.2		ug/L		93	65 - 135
m,p-Xylene	50.0	49.6		ug/L		99	75 - 125
o-Xylene	25.0	25.7		ug/L		103	75 - 125
Tert-amyl-methyl ether (TAME)	25.0	20.9		ug/L		84	60 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*91*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 440-23808-B-5 MS
Matrix: Water
Analysis Batch: 55315

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		500	493		ug/L		99	65 - 125
Toluene	ND		500	547		ug/L		109	70 - 125
Ethylbenzene	ND		500	560		ug/L		112	65 - 130
Methyl-t-Butyl Ether (MTBE)	ND		500	460		ug/L		92	55 - 145
tert-Butyl alcohol (TBA)	ND		2500	3340		ug/L		134	65 - 140
Isopropyl Ether (DIPE)	ND		500	550		ug/L		110	60 - 140
Ethyl-t-butyl ether (ETBE)	ND		500	522		ug/L		104	60 - 135
m,p-Xylene	ND		1000	1020		ug/L		102	65 - 130
o-Xylene	ND		500	537		ug/L		107	65 - 125
Tert-amyl-methyl ether (TAME)	ND		500	461		ug/L		92	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: 440-23808-B-5 MSD
Matrix: Water
Analysis Batch: 55315

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		500	476		ug/L		95	65 - 125	3	20
Toluene	ND		500	533		ug/L		107	70 - 125	3	20
Ethylbenzene	ND		500	544		ug/L		109	65 - 130	3	20
Methyl-t-Butyl Ether (MTBE)	ND		500	448		ug/L		90	55 - 145	3	25
tert-Butyl alcohol (TBA)	ND		2500	3370		ug/L		135	65 - 140	1	25
Isopropyl Ether (DIPE)	ND		500	533		ug/L		107	60 - 140	3	25
Ethyl-t-butyl ether (ETBE)	ND		500	507		ug/L		101	60 - 135	3	25

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

Lab Sample ID: 440-23808-B-5 MSD
Matrix: Water
Analysis Batch: 55315

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
m,p-Xylene	ND		1000	1000		ug/L		100	65 - 130	2	25
o-Xylene	ND		500	518		ug/L		104	65 - 125	4	20
Tert-amyl-methyl ether (TAME)	ND		500	437		ug/L		87	60 - 140	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

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

Lab Sample ID: MB 440-55207/4
Matrix: Water
Analysis Batch: 55207

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			09/27/12 20:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/27/12 20:11*	*1*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*09/27/12 20:11*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*09/27/12 20:11*	*1*

Lab Sample ID: LCS 440-55207/6
Matrix: Water
Analysis Batch: 55207

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	439		ug/L		88	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: 440-23722-1 MS
Matrix: Water
Analysis Batch: 55207

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	450		1730	1570		ug/L		65	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

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

Lab Sample ID: 440-23722-1 MSD
Matrix: Water
Analysis Batch: 55207

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	450		1730	1490		ug/L		61	50 - 145	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: MB 440-55316/4
Matrix: Water
Analysis Batch: 55316

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			09/28/12 08:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/28/12 08:40*	*1*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*09/28/12 08:40*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*09/28/12 08:40*	*1*

Lab Sample ID: LCS 440-55316/6
Matrix: Water
Analysis Batch: 55316

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	478		ug/L		96	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 440-23808-B-5 MS
Matrix: Water
Analysis Batch: 55316

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)	6800		34500	29400		ug/L		66	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*

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

Lab Sample ID: 440-23808-B-5 MSD
Matrix: Water
Analysis Batch: 55316

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)	6800		34500	25600		ug/L		55	50 - 145	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

GC/MS VOA

Analysis Batch: 55206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-23722-1	MW-1	Total/NA	Water	8260B	
440-23722-1 MS	MW-1	Total/NA	Water	8260B	
440-23722-1 MSD	MW-1	Total/NA	Water	8260B	
440-23722-2	MW-2	Total/NA	Water	8260B	
440-23722-3	MW-3	Total/NA	Water	8260B	
440-23722-4	MW-4	Total/NA	Water	8260B	
440-23722-5	MW-5	Total/NA	Water	8260B	
440-23722-7	MW-7	Total/NA	Water	8260B	
440-23722-8	MW-8	Total/NA	Water	8260B	
LCS 440-55206/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-55206/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 55207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-23722-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-23722-1 MS	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-23722-1 MSD	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-23722-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-23722-3	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
440-23722-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-23722-5	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
440-23722-7	MW-7	Total/NA	Water	8260B/CA_LUFT MS	
440-23722-8	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-55207/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-55207/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 55315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-23722-2 - DL	MW-2	Total/NA	Water	8260B	
440-23722-6	MW-6	Total/NA	Water	8260B	
440-23808-B-5 MS	Matrix Spike	Total/NA	Water	8260B	
440-23808-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-55315/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-55315/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 55316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-23722-6	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
440-23808-B-5 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-23808-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-55316/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 55316 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-55316/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-23722-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

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: 610 Market St., Oakland, CA

TestAmerica Job ID: 440-23722-1

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

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: 240594 Peter Schaefer
INCIDENT # (ENV SERVICES): 9 8 9 9 5 7 5 0 ☐ CHECK IF NO INCIDENT # APPLIES
PO #: SAP #: 1 3 5 6 9 2
DATE: 9-14-12
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 610 Market St., Oakland
State: CA
GLOBAL ID NO.: T0600102121
ADDRESS: 1680 Rogers Avenue, San Jose, CA
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville, CA
PHONE NO.: 510-420-3343
E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com
CONSULTANT PROJECT NO.: 240594-95-12.04
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King
TELEPHONE: (310) 885-4455 x 108
FAX: (310) 637-5802
E-MAIL: lking@blainetech.com
SAMPLER NAME(S) (Print): J Oats
LAB USE ONLY: 440-27722

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://cralabedduplod.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

LAB USE ONLY	SAMPLE ID: PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG 120914-SJ	091412	SJ	MW-1	1245	WG	3					3	X			X		X							
		091412		MW-2	1230								X			X		X							
		091412		MW-3	1230								X			X		X							
		091412		MW-4	1250								X			X		X							
		091412		MW-5	1240								X			X		X							
		091412		MW-6	1300								X			X		X							
		091412		MW-7	1305								X			X		X							
		091412		MW-8	1255								X			X		X							

TEMPERATURE ON RECEIPT: CG 8.4

	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
			9-14-12	1500
		(TASF)	9/17/12	1100
		140800 5.6°C	09/17/12	1610
	9/17/12 1655	9/18/12	9/18/12	10:00

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10/1/2012

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-23722-1

Login Number: 23722
List Number: 1
Creator: Perez, Angel

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	J. Ortiz
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	