CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: May 10, 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

RECEIVED
1:44 pm, May 15, 2012
Alameda County
Environmental Health

Please find enclosed:
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- ☒ Final
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- ☒ Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – First 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 – FIRST 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

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MAY 10, 2012
REF. NO. 240594 (10)
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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 fourth quarter of 2011, and wells MW-1 through MW-8 were sampled during the first quarter of 2012.

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

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	11.65 to 15.32 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

05/03/2012

Groundwater Contour and Chemical Concentration Map

March 5, 2012

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 (msl)
Groundwater extraction system piping

EXPLANATION

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

MARKET STREET
7th STREET
6th STREET
INTERSTATE 880 OFF-RAMP
Planter
Kiosk
Dispensers
Former Dispenser Island
USTs
Car Wash
Remediation Enclosure
SS 10"Ø
SS 8"Ø
STM 15"Ø
FL = 6.5
FL = 12.1
FL = 10.0
FL = 8.0
FL = 5.6
FL = 3.3
FL = 8.2

MW-2
6.55
ND
1.2
NA

MW-8
6.09
160
23
2,800

MW-6
6.03
NDa
NDa
9,600

MW-7
5.91
NDa
NDa
42,000

MW-1
6.38
22
29
NA

MW-5
5.69
ND
0.68
120

MW-3
5.96
ND
1.6
340

MW-4
5.53
ND
ND
ND

MW-9

T2
T1

6.30
6.00
5.70

EFF
INF

0 15 30 60
Scale (ft)

FIGURE
2

Shell-branded Service Station
610 Market Sreet
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

N:\Shell\6~chars\2405~1\240594-Oakland 610 Market\240594-REPORTS\240594-RPT10-1Q12\240594 1QM12-GW.DWG

TABLE

TABLE 1

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

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-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
MW-2	03/21/2000	<5,000	94.7	<50.0	<50.0	<50.0	13,900	---	---	---	---	---	19.61	10.36	9.25

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	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
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

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	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-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
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

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	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
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

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	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-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
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

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	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 l	---	---	---	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-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

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	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
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

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	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-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
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

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	09/25/2006	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-7	03/28/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	19.16	---	---
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

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	09/16/2004	<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
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

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	**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-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
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

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	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-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
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

TABLE 1

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	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 otherwise noted.
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
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

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)*

--- = 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
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 # 111202-PH1 Date 12/2/11 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	0830	4					11.95	18.66	↓	
MW-7	0838	4					12.90	18.38	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 111202-PH1	Site: 9899 5750
Sampler: PH	Date: 12/2/11
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 18.66	Depth to Water (DTW): 11.95
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]: 13.29	

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	=	13.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0850	69.6	6.6	865	>1000	4.5	
	—	Dewatered @		7 gallons	—	
1000	69.8	7.0	972	135	—	

Did well dewater? (Yes) No Gallons actually evacuated: 7

Sampling Date: 12/2/11 Sampling Time: 1000 Depth to Water: 12.00

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 #: 111202-PH1	Site: 9899530
Sampler: PH	Date: 12/2/11
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.38	Depth to Water (DTW): 12.90
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]: 13.29	

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	=	10.6 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0907	67.2	6.5	1216	104	3.5	
0909	68.8	6.5	1260	184	7	
	—	Dewatered @	8 gallons		—	
0920	67.6	6.7	1247	328	—	

Did well dewater? (Yes) No Gallons actually evacuated: 8

Sampling Date: 12/2/11 Sampling Time: 0920 Depth to Water: 13.80 (waited for recharge)

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

INCIDENT # 98995750

DATE: 12/2/11

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) 40	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
MW-7	Standpipe	(Flush)	(G)	P	Size (inch) 40	(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	
	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:			
	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 PM Initials
(NA)	X	G	P	(N/A)	G	P	(N/A)	G	P	(N/A)	Y	N	(N/A)		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

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

G = Good (Acceptable) R = Replaced

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

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

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

Patrick Harms, Blaine Tech Services

Print or type Name of Field Personnel & Consultant Company

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

Version 2.4, March 2008

WELL GAUGING DATA

Project # 120305-CK2 Date 3/5/12 Client SHELL

Site 610 MARKET ST. OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1021	4					15.32	24.55		
MW-2	1016	4					11.65	17.60		
MW-3	1010	4					12.12	18.40		
MW-4	1120	4					12.50	19.69		
MW-5	1055	4					12.09	20.00		
MW-6	1028	4					12.02	18.62		
MW-7	1041	4					13.22	18.30		
MW-8	1036	4					12.62	18.30		

SHELL WELL MONITORING DATA SHEET

BTS #: 120305-CK2	Site: 610 MARKET ST. OAKLAND
Sampler: B C. KILPATRICK	Date: 3/5/12
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.55	Depth to Water (DTW): 15.32
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]: 17.17	

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	= 18.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1203	68.1	6.50	368	42	6.0	
	DEWATERED @ 8.0 gallon				8.0	
1318	67.6	6.54	924	26	—	

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

Sampling Date: 3/5/12 Sampling Time: 1320 Depth to Water: 15.50

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120305-CH2	Site: 610 MARKET ST. OAKLAND
Sampler: C. KILPATRICK	Date: 3/5/12
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.60	Depth to Water (DTW): 11.65
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]: 12.84	

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: ___

3.9 (Gals.) X	3	=	11.7 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1153	68.6	6.22	653	19	3.9	
	DEWATERED @ 4.5 gallons				4.5	
1308	68.0	6.45	917	7	—	

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

Sampling Date: 3/5/12 Sampling Time: 1310 Depth to Water: 11.70

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120305-CK2	Site: 610 MARKET ST, OAKLAND
Sampler: C. KILPATRICK	Date: 3/5/12
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.40	Depth to Water (DTW): 12.12
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]: 13.38	

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

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

4.1 (Gals.) X 3 = 12.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1142	69.1	6.41	439	59	4.1	
	DEWATERED	@ 4.5 gallon	—		4.5	
1258	67.6	6.69	493	53	—	

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

Sampling Date: 3/5/12 — Sampling Time: 1300 — Depth to Water: 12.24

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120305-CKR	Site: 610 MARKET ST. OAKLAND
Sampler: C. KILPATRICK	Date: 3/5/17
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.69	Depth to Water (DTW): 12.50
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: ____

4.7 (Gals.) X	3	=	14.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1123	67.9	5.71	919	128	4.7	
	DEWATERED	@	5.5 gallon	—	5.5	
1133	69.3	5.86	992	117	—	

Did well dewater? (Yes) No Gallons actually evacuated: 5.5

Sampling Date: 3/5/17 Sampling Time: 1135 Depth to Water: 13.90

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120305-CK2	Site: 610 MARKET ST., OAKLAND
Sampler: C. KILPATRICK	Date: 3/5/12
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 20.00	Depth to Water (DTW): 12.09
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]: 13.67	

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: _____

5.1 (Gals.) X	3	=	15.3 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1100	65.9	6.57	1022	20	5.1	
	DEWATERED		@ 6.0 gallon	—	6.0	
1113	65.9	6.69	996	653	—	

Did well dewater? (Yes) No Gallons actually evacuated: 6.0

Sampling Date: 3/5/12 Sampling Time: 1115 Depth to Water: 13.60

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120305-CK2	Site: 610 MARKET ST. OAKLAND
Sampler: C. KILPATRICK	Date: 3/5/12
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 18.63	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]: 13.34	

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
1213	68.6	6.66	749	40	4.3	
	DEWATERED @	6.0	gallon		6.0	
1328	68.0	6.69	895	200	—	

Did well dewater? (Yes) No Gallons actually evacuated: 6.0

Sampling Date: 3/5/12 Sampling Time: 1330 Depth to Water: 12.12

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120305-CK2	Site: 610 MARKET ST. OAKLAND
Sampler: C. KILPATRICK	Date: 3/5/12
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.30	Depth to Water (DTW): 13.22
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]: 14.24	

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: _____

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

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1240	67.3	6.79	1159	46	3.3	
	DEWATERED @ 4.5 gallon -				4.5	
1340	67.8	6.84	1179	162	—	

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

Sampling Date: 3/5/12 Sampling Time: 1350 Depth to Water: 13.40

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 120305-CKR	Site: 610 MARKET ST, OAKLAND
Sampler: C. KILPATRICK	Date: 3/5/12
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 18.30	Depth to Water (DTW): 12.62
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]: 13.76	

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: _____

3.7 (Gals.) X	3 =	11.1 Gals.		
1 Case Volume	Specified Volumes	Calculated Volume		

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1230	67.6	6.53	1193	25	3.7	
	DEWATERED @ 6.0 GALLON			—	6.0	
1338	67.0	6.57	1192	56	—	

Did well dewater? (Yes) No Gallons actually evacuated: 6.0

Sampling Date: 3/5/12 Sampling Time: 1340 Depth to Water: 12.76

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

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

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

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

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

INCIDENT # 98995750

DATE: 3/5/12

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-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) 4 0	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 4 0	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) 4 0	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-7	Standpipe	Flush	G	P	Size (inch) 4 0	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-8	Standpipe	Flush	G	P	Size (inch) 4 0	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	

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

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

G = Good (Acceptable) R = Replaced

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

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

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

Version 2.4, March 2008

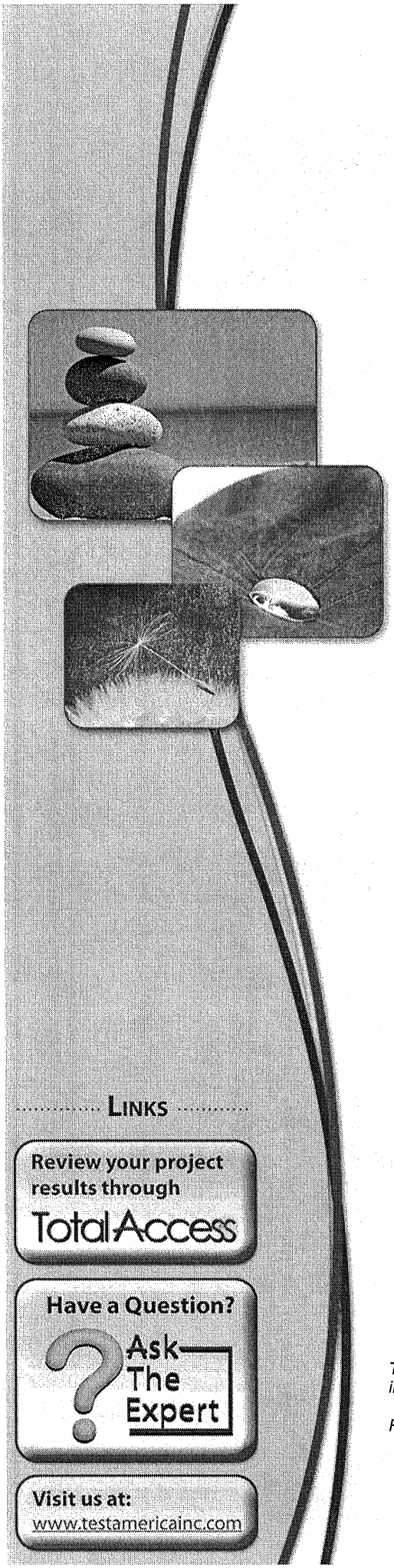
All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above).

COREY KILPATRICK BTS

Print or type Name of Field Personnel & Consultant Company

APPENDIX B

TEST AMERICA –
ANALYTICAL REPORTS



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NVL0939
Client Project/Site: SAP
Client Project Description: 610 Market Street, Oakland, CA

For:
Conestoga-Rovers & Assoc. (Emeryville) / SHELL
5900 Hollis Street, Suite A
Emeryville, CA 94608

Attn: Peter Schaefer

Wm Ryan Fitzwater

Authorized for release by:
12/16/2011 3:07:37 PM

Ryan Fitzwater
Project Manager
Ryan.Fitzwater@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP

TestAmerica Job ID: NVL0939

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL0939-01	MW-6	Water	12/02/11 10:00	12/07/11 08:20
NVL0939-02	MW-7	Water	12/02/11 09:20	12/07/11 08:20

Job ID: NVL0939

Laboratory: TestAmerica Nashville

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

Method	Matrix	Analyte
CA LUFT GC/MS	Water	Gasoline Range Organics

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
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)

Client Sample ID: MW-6

Date Collected: 12/02/11 10:00
Date Received: 12/07/11 08:20

Lab Sample ID: NVL0939-01

Matrix: Water

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	**150**		50		ug/L		12/07/11 17:04	12/13/11 15:34	1.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.0*
Dibromofluoromethane	*97*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.0*
Toluene-d8	*103*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.0*
4-Bromofluorobenzene	*104*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:34	1.00
Ethylbenzene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:34	1.00
Toluene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:34	1.00
Xylenes, total	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:34	1.00
Methyl tert-Butyl Ether	**6.91**		0.500		ug/L		12/07/11 17:04	12/13/11 15:34	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*104*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.00*
1,2-Dichloroethane-d4	*104*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.00*
Dibromofluoromethane	*101*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.00*
Dibromofluoromethane	*101*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.00*
Toluene-d8	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.00*
Toluene-d8	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.00*
4-Bromofluorobenzene	*100*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.00*
4-Bromofluorobenzene	*100*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:34*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tertiary Butyl Alcohol	**4170**		100		ug/L		12/14/11 12:23	12/15/11 17:11	10.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*104*		*70 - 130*	*12/14/11 12:23*	*12/15/11 17:11*	*10.0*
Dibromofluoromethane	*99*		*70 - 130*	*12/14/11 12:23*	*12/15/11 17:11*	*10.0*
Toluene-d8	*98*		*70 - 130*	*12/14/11 12:23*	*12/15/11 17:11*	*10.0*
4-Bromofluorobenzene	*98*		*70 - 130*	*12/14/11 12:23*	*12/15/11 17:11*	*10.0*

Client Sample ID: MW-7
Date Collected: 12/02/11 09:20
Date Received: 12/07/11 08:20

Lab Sample ID: NVL0939-02
Matrix: Water

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	**370**		50		ug/L		12/07/11 17:04	12/13/11 16:00	1.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*97*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.0*
Dibromofluoromethane	*97*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.0*
Toluene-d8	*103*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.0*
4-Bromofluorobenzene	*102*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 16:00	1.00
Ethylbenzene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 16:00	1.00
Toluene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 16:00	1.00
Xylenes, total	ND		0.500		ug/L		12/07/11 17:04	12/13/11 16:00	1.00
Methyl tert-Butyl Ether	**4.21**		0.500		ug/L		12/07/11 17:04	12/13/11 16:00	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*103*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.00*
1,2-Dichloroethane-d4	*103*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.00*
Dibromofluoromethane	*101*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.00*
Dibromofluoromethane	*101*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.00*
Toluene-d8	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.00*
Toluene-d8	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 16:00*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tertiary Butyl Alcohol	**14300**		100		ug/L		12/14/11 12:23	12/15/11 17:38	10.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*103*		*70 - 130*	*12/14/11 12:23*	*12/15/11 17:38*	*10.0*
Dibromofluoromethane	*99*		*70 - 130*	*12/14/11 12:23*	*12/15/11 17:38*	*10.0*
Toluene-d8	*98*		*70 - 130*	*12/14/11 12:23*	*12/15/11 17:38*	*10.0*
4-Bromofluorobenzene	*98*		*70 - 130*	*12/14/11 12:23*	*12/15/11 17:38*	*10.0*

Method: CA LUFT GC/MS - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11L1790-BLK1
Matrix: Water
Analysis Batch: U021889

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L1790_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	ND		50		ug/L		12/07/11 17:04	12/13/11 15:07	1.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*99*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.0*
Dibromofluoromethane	*99*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.0*
Toluene-d8	*103*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.0*
4-Bromofluorobenzene	*102*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.0*

Lab Sample ID: 11L1790-BS2
Matrix: Water
Analysis Batch: U021889

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L1790_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics	500	470		ug/L		94	67 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*98*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8	*104*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11L1790-BLK1
Matrix: Water
Analysis Batch: U021889

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L1790_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:07	1.00
Ethylbenzene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:07	1.00
Toluene	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:07	1.00
Xylenes, total	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:07	1.00
Methyl tert-Butyl Ether	ND		0.500		ug/L		12/07/11 17:04	12/13/11 15:07	1.00
Tertiary Butyl Alcohol	ND		10.0		ug/L		12/07/11 17:04	12/13/11 15:07	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*105*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.00*
1,2-Dichloroethane-d4	*105*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.00*
Dibromofluoromethane	*104*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.00*
Dibromofluoromethane	*104*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.00*
Toluene-d8	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.00*
Toluene-d8	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*12/07/11 17:04*	*12/13/11 15:07*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1790-BS1
Matrix: Water
Analysis Batch: U021889

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L1790_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	51.2		ug/L		102	80 - 121
Ethylbenzene	50.0	51.9		ug/L		104	80 - 130
Toluene	50.0	51.1		ug/L		102	80 - 126
Xylenes, total	150	150		ug/L		100	80 - 132
Methyl tert-Butyl Ether	50.0	55.4		ug/L		111	72 - 133
Tertiary Butyl Alcohol	500	592		ug/L		118	54 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*112*		*70 - 130*
1,2-Dichloroethane-d4	*112*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8	*99*		*70 - 130*
Toluene-d8	*99*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*

Lab Sample ID: 11L1790-MS1
Matrix: Water
Analysis Batch: U021889

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11L1790_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	608		500	1070		ug/L		92	75 - 133
Ethylbenzene	327		500	782		ug/L		91	79 - 139
Toluene	67.8		500	560		ug/L		98	75 - 136
Xylenes, total	620		1500	1950		ug/L		89	74 - 141
Methyl tert-Butyl Ether	41.3		500	560		ug/L		104	66 - 141
Tertiary Butyl Alcohol	ND		5000	5930		ug/L		119	50 - 183

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*114*		*70 - 130*
1,2-Dichloroethane-d4	*114*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*
Toluene-d8	*97*		*70 - 130*
Toluene-d8	*97*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*

Lab Sample ID: 11L1790-MSD1
Matrix: Water
Analysis Batch: U021889

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11L1790_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	608		500	1070		ug/L		92	75 - 133	0.1	17
Ethylbenzene	327		500	787		ug/L		92	79 - 139	0.6	15
Toluene	67.8		500	571		ug/L		101	75 - 136	2	15
Xylenes, total	620		1500	1940		ug/L		88	74 - 141	0.2	15
Methyl tert-Butyl Ether	41.3		500	530		ug/L		98	66 - 141	6	16

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1790-MSD1
Matrix: Water
Analysis Batch: U021889

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11L1790_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tertiary Butyl Alcohol	ND		5000	6170		ug/L		123	50 - 183	4	32

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*116*		*70 - 130*
1,2-Dichloroethane-d4	*116*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8	*99*		*70 - 130*
Toluene-d8	*99*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*

Lab Sample ID: 11L2798-BLK1
Matrix: Water
Analysis Batch: U022080

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L2798_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.500		ug/L		12/10/11 17:59	12/15/11 14:31	1.00
Ethylbenzene	ND		0.500		ug/L		12/10/11 17:59	12/15/11 14:31	1.00
Toluene	ND		0.500		ug/L		12/10/11 17:59	12/15/11 14:31	1.00
Xylenes, total	ND		0.500		ug/L		12/10/11 17:59	12/15/11 14:31	1.00
Tertiary Butyl Alcohol	ND		10.0		ug/L		12/10/11 17:59	12/15/11 14:31	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*107*		*70 - 130*	*12/10/11 17:59*	*12/15/11 14:31*	*1.00*
Dibromofluoromethane	*103*		*70 - 130*	*12/10/11 17:59*	*12/15/11 14:31*	*1.00*
Toluene-d8	*98*		*70 - 130*	*12/10/11 17:59*	*12/15/11 14:31*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*12/10/11 17:59*	*12/15/11 14:31*	*1.00*

Lab Sample ID: 11L2798-BS1
Matrix: Water
Analysis Batch: U022080

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L2798_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	53.4		ug/L		107	80 - 121
Ethylbenzene	50.0	53.7		ug/L		107	80 - 130
Toluene	50.0	52.5		ug/L		105	80 - 126
Xylenes, total	150	157		ug/L		104	80 - 132
Tertiary Butyl Alcohol	500	350		ug/L		70	54 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*102*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8	*98*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L2798-MS1
Matrix: Water
Analysis Batch: U022080

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11L2798_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		500	522		ug/L		104	75 - 133
Ethylbenzene	7.80		500	532		ug/L		105	79 - 139
Toluene	ND		500	509		ug/L		102	75 - 136
Xylenes, total	8.60		1500	1510		ug/L		100	74 - 141
Tertiary Butyl Alcohol	ND		5000	3370		ug/L		67	50 - 183

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*111*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8	*97*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*

Lab Sample ID: 11L2798-MSD1
Matrix: Water
Analysis Batch: U022080

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11L2798_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		500	531		ug/L		106	75 - 133	2	17
Ethylbenzene	7.80		500	539		ug/L		106	79 - 139	1	15
Toluene	ND		500	520		ug/L		104	75 - 136	2	15
Xylenes, total	8.60		1500	1530		ug/L		101	74 - 141	1	15
Tertiary Butyl Alcohol	ND		5000	3420		ug/L		68	50 - 183	1	32

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*110*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8	*97*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*

QC Association Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP

TestAmerica Job ID: NVL0939

GCMS Volatiles

Analysis Batch: U021889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1790-BLK1	Method Blank	Total	Water	SW846 8260B	11L1790_P
11L1790-BLK1	Method Blank	Total	Water	CA LUFT GC/MS	11L1790_P
11L1790-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L1790_P
11L1790-BS2	Lab Control Sample	Total	Water	CA LUFT GC/MS	11L1790_P
11L1790-MS1	Matrix Spike	Total	Water	SW846 8260B	11L1790_P
11L1790-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11L1790_P
NVL0939-01	MW-6	Total	Water	SW846 8260B	11L1790_P
NVL0939-01	MW-6	Total	Water	CA LUFT GC/MS	11L1790_P
NVL0939-02	MW-7	Total	Water	SW846 8260B	11L1790_P
NVL0939-02	MW-7	Total	Water	CA LUFT GC/MS	11L1790_P

Analysis Batch: U022080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2798-BLK1	Method Blank	Total	Water	SW846 8260B	11L2798_P
11L2798-BS1	Lab Control Sample	Total	Water	SW846 8260B	11L2798_P
11L2798-MS1	Matrix Spike	Total	Water	SW846 8260B	11L2798_P
11L2798-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11L2798_P
NVL0939-01 - RE2	MW-6	Total	Water	SW846 8260B	11L2798_P
NVL0939-02 - RE2	MW-7	Total	Water	SW846 8260B	11L2798_P

Prep Batch: 11L1790_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1790-BLK1	Method Blank	Total	Water	EPA 5030B	
11L1790-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L1790-BS2	Lab Control Sample	Total	Water	EPA 5030B	
11L1790-MS1	Matrix Spike	Total	Water	EPA 5030B	
11L1790-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NVL0939-01	MW-6	Total	Water	EPA 5030B	
NVL0939-02	MW-7	Total	Water	EPA 5030B	

Prep Batch: 11L2798_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2798-BLK1	Method Blank	Total	Water	EPA 5030B	
11L2798-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11L2798-MS1	Matrix Spike	Total	Water	EPA 5030B	
11L2798-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NVL0939-01 - RE2	MW-6	Total	Water	EPA 5030B	
NVL0939-02 - RE2	MW-7	Total	Water	EPA 5030B	

Lab Chronicle

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP

TestAmerica Job ID: NVL0939

Client Sample ID: MW-6

Lab Sample ID: NVL0939-01

Date Collected: 12/02/11 10:00
Matrix: Water
Date Received: 12/07/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L1790_P	12/07/11 17:04	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021889	12/13/11 15:34	FNE	TAL NSH
Total	Prep	EPA 5030B		1.0	11L1790_P	12/07/11 17:04	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS		1.0	U021889	12/13/11 15:34	FNE	TAL NSH
Total	Prep	EPA 5030B	RE2	1.00	11L2798_P	12/14/11 12:23	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE2	10.0	U022080	12/15/11 17:11	FNE	TAL NSH

Client Sample ID: MW-7

Lab Sample ID: NVL0939-02

Date Collected: 12/02/11 09:20
Matrix: Water
Date Received: 12/07/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11L1790_P	12/07/11 17:04	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U021889	12/13/11 16:00	FNE	TAL NSH
Total	Prep	EPA 5030B		1.0	11L1790_P	12/07/11 17:04	TSP	TAL NSH
Total	Analysis	CA LUFT GC/MS		1.0	U021889	12/13/11 16:00	FNE	TAL NSH
Total	Prep	EPA 5030B	RE2	1.00	11L2798_P	12/14/11 12:23	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE2	10.0	U022080	12/15/11 17:38	FNE	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP

TestAmerica Job ID: NVL0939

Method	Method Description	Protocol	Laboratory
CA LUFT GC/MS	Purgeable Petroleum Hydrocarbons		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Conestoga-Rovers & Assoc. (Emeryville) / SHELL
Project/Site: SAP

TestAmerica Job ID: NVL0939

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

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.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEI

NVL0939

Cooler Received/Opened On 12/7/2011 @ 0820

1. Tracking # 9554 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 0.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO...#_____

Shell Oil Products Chain Of Custody Record

12/16/2011

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ 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: Peter Schaefer 240594

INCIDENT # (ENV SERVICES): 98995750 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 12/2/11

PAGE: 1 of 1

PO #: 40-40373

SAP #:

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

PHONE NO.: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 111202-PH1

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

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print): Patrick Harris

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Email invoice and copy of final report to Shell.Lab.Billing@craworld.com

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	TPHg (8015M)	BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: ____ (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
	MW-6	12/2/11	0900	W	X					3	X					X								
	MW-7	12/2/11	0920	W	X					3	X					X								1 vial was broken

TEMPERATURE ON RECEIPT C°: 2.5°C

NVL0939
12/16/11 23:59

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		12/2/11	1534
		12-2-11	1745
12-5-11 1600		12/6/11	10:15

Wells Fargo 12/6/11 17:00

TA Nash 12/7/11 0820 0.2°C

05/2/06 Revision 4.2 4/5

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Work Order #: _____

PROJECT RECEIPT CHECKLIST

Cooler Received/Opened On Date/Time: 12/6/2011 10:15

Delivered by : ☐ Client ☐ TA-Courier ☐ DHL (X) Fed Ex ☐ UPS ☐ Other _____

Tracking Number: 468130902880 Mstr#

1. Are Custody Seals on Cooler: (INTACT)...BROKEN....NONE
2. Are custody seals Intact/Signed/Dated correctly? (YES)...NO....N/A
3. Are COC papers inside the cooler? (YES)....NO....N/A
4. Is Sampler's Name on COC? (YES)....NO....N/A
5. Are all signatures on COC? (YES)....NO....N/A
6. Number of coolers? 6
7. Cooler temperature(s) in °C: 1.8 1.3 3.1 3.7 3.2 4.2
8. IR ID No.: 51
9. Did you receive samples with Signature/Date/Time/Temperature on COC? (YES)....NO....N/A
10. Samples outside of temperature criteria but received on ice? YES...(NO)...FROZEN
11. Are any Short Holds or Rushes indicated on COC? SHORT HOLD RUSH
12. Turn-Around-Time? SAME DAY 24-HOUR 48-HOUR 72-HOUR (STANDARD)

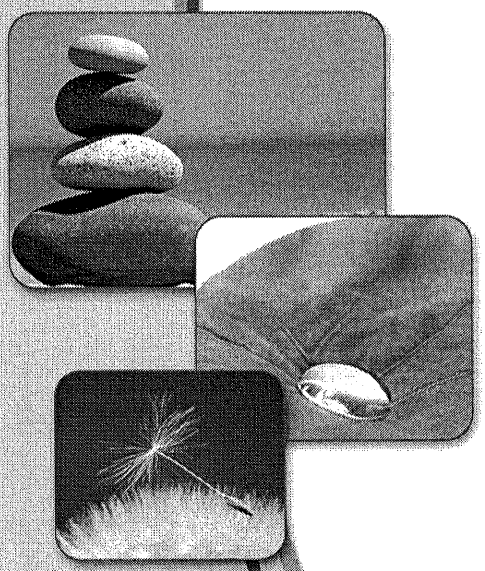
I certify that I received the cooler(s) and answered questions 1-12. (Initial and Date) ME 12/6/2011

13. Are Custody Seals on Sample Containers: YES....NO
14. Are Custody seals Intact/Signed/Dated correctly? YES....NO....N/A
15. Number of containers in cooler? _____
16. Do # of containers in cooler and # of containers on COC agree? YES....NO....N/A
17. Did all containers arrive in good condition? YES....NO....N/A
18. Do container labels agree with COC? YES....NO....N/A
19a. Were VOA vials received? YES....NO....N/A
19b. Is there headspace present in any VOA Vial? YES....NO....N/A
20. Were Encores or Terracores received? YES....NO....N/A
21. Were Trip Blanks received in this cooler? YES....NO....N/A

I certify that I unloaded the cooler and answered questions 13-21. (Initial and Date) _____

I certify that I labeled the container(s) from this cooler(s). (Initial and Date) _____

** Was an NOD created for this Job? NOD FYI – NOD NONE



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: 440-4888-1
Client Project/Site: 610 Market St., Oakland, CA

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

Attn: Peter Schaefrer

Philip Sanelle

Authorized for release by:
3/22/2012 6:21:05 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: 440-4888-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-4888-1	MW-1	Water	03/05/12 13:20	03/07/12 10:00
440-4888-2	MW-2	Water	03/05/12 13:10	03/07/12 10:00
440-4888-3	MW-3	Water	03/05/12 13:00	03/07/12 10:00
440-4888-4	MW-4	Water	03/05/12 11:35	03/07/12 10:00
440-4888-5	MW-5	Water	03/05/12 11:15	03/07/12 10:00
440-4888-6	MW-6	Water	03/05/12 13:30	03/07/12 10:00
440-4888-7	MW-7	Water	03/05/12 13:50	03/07/12 10:00
440-4888-8	MW-8	Water	03/05/12 13:40	03/07/12 10:00

Client Sample Results

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

TestAmerica Job ID: 440-4888-1

Client Sample ID: MW-1

Lab Sample ID: 440-4888-1
Matrix: Water

Date Collected: 03/05/12 13:20
Date Received: 03/07/12 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)	150		50		ug/L			03/12/12 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*03/12/12 22:52*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/12/12 22:52*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/12/12 22:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	22		0.50		ug/L			03/12/12 22:52	1
Ethylbenzene	ND		0.50		ug/L			03/12/12 22:52	1
Toluene	0.61		0.50		ug/L			03/12/12 22:52	1
Xylenes, Total	1.0		1.0		ug/L			03/12/12 22:52	1
Methyl-t-Butyl Ether (MTBE)	29		0.50		ug/L			03/12/12 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/12/12 22:52*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*03/12/12 22:52*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/12/12 22:52*	*1*

Client Sample ID: MW-2

Lab Sample ID: 440-4888-2
Matrix: Water

Date Collected: 03/05/12 13:10
Date Received: 03/07/12 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)	100		50		ug/L			03/13/12 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*03/13/12 23:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 23:09*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/13/12 23:09*	*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			03/13/12 23:09	1
Ethylbenzene	ND		0.50		ug/L			03/13/12 23:09	1
Toluene	ND		0.50		ug/L			03/13/12 23:09	1
Xylenes, Total	ND		1.0		ug/L			03/13/12 23:09	1
Methyl-t-Butyl Ether (MTBE)	1.2		0.50		ug/L			03/13/12 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 23:09*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*03/13/12 23:09*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/13/12 23:09*	*1*

Client Sample ID: MW-3

Lab Sample ID: 440-4888-3
Date Collected: 03/05/12 13:00
Matrix: Water
Date Received: 03/07/12 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)	64		50		ug/L			03/13/12 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*03/13/12 00:53*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 00:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 00:53*	*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			03/13/12 00:53	1
Ethylbenzene	ND		0.50		ug/L			03/13/12 00:53	1
Toluene	ND		0.50		ug/L			03/13/12 00:53	1
Xylenes, Total	ND		1.0		ug/L			03/13/12 00:53	1
Methyl-t-Butyl Ether (MTBE)	1.6		0.50		ug/L			03/13/12 00:53	1
tert-Butyl alcohol (TBA)	340		10		ug/L			03/13/12 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 00:53*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*03/13/12 00:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 00:53*	*1*

Client Sample ID: MW-4

Lab Sample ID: 440-4888-4
Date Collected: 03/05/12 11:35
Matrix: Water
Date Received: 03/07/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			03/13/12 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*03/13/12 01:24*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 01:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/13/12 01:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			03/13/12 01:24	1
Ethylbenzene	ND		0.50		ug/L			03/13/12 01:24	1
Toluene	ND		0.50		ug/L			03/13/12 01:24	1
Xylenes, Total	ND		1.0		ug/L			03/13/12 01:24	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			03/13/12 01:24	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			03/13/12 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 01:24*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*03/13/12 01:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/13/12 01:24*	*1*

Client Sample ID: MW-5

Lab Sample ID: 440-4888-5
Matrix: Water

Date Collected: 03/05/12 11:15
Date Received: 03/07/12 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			03/13/12 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*03/13/12 01:54*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 01:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 01:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			03/13/12 01:54	1
Ethylbenzene	ND		0.50		ug/L			03/13/12 01:54	1
Toluene	ND		0.50		ug/L			03/13/12 01:54	1
Xylenes, Total	ND		1.0		ug/L			03/13/12 01:54	1
Methyl-t-Butyl Ether (MTBE)	0.68		0.50		ug/L			03/13/12 01:54	1
tert-Butyl alcohol (TBA)	120		10		ug/L			03/13/12 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 01:54*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*03/13/12 01:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 01:54*	*1*

Client Sample ID: MW-6

Lab Sample ID: 440-4888-6
Matrix: Water

Date Collected: 03/05/12 13:30
Date Received: 03/07/12 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		1000		ug/L			03/13/12 02:24	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*03/13/12 02:24*	*20*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 02:24*	*20*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 02:24*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10		ug/L			03/13/12 02:24	20
Ethylbenzene	ND		10		ug/L			03/13/12 02:24	20
Toluene	ND		10		ug/L			03/13/12 02:24	20
Xylenes, Total	ND		20		ug/L			03/13/12 02:24	20
Methyl-t-Butyl Ether (MTBE)	ND		10		ug/L			03/13/12 02:24	20
tert-Butyl alcohol (TBA)	9600		200		ug/L			03/13/12 02:24	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/13/12 02:24*	*20*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*03/13/12 02:24*	*20*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 02:24*	*20*

Client Sample ID: MW-7

Lab Sample ID: 440-4888-7
Matrix: Water
Date Collected: 03/05/12 13:50
Date Received: 03/07/12 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		2500		ug/L			03/13/12 02:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*03/13/12 02:54*	*50*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/13/12 02:54*	*50*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 02:54*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		25		ug/L			03/13/12 02:54	50
Ethylbenzene	ND		25		ug/L			03/13/12 02:54	50
Toluene	ND		25		ug/L			03/13/12 02:54	50
Xylenes, Total	ND		50		ug/L			03/13/12 02:54	50
Methyl-t-Butyl Ether (MTBE)	ND		25		ug/L			03/13/12 02:54	50
tert-Butyl alcohol (TBA)	42000		500		ug/L			03/13/12 02:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/13/12 02:54*	*50*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*03/13/12 02:54*	*50*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 02:54*	*50*

Client Sample ID: MW-8

Lab Sample ID: 440-4888-8
Matrix: Water
Date Collected: 03/05/12 13:40
Date Received: 03/07/12 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)	700		250		ug/L			03/13/12 03:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*03/13/12 03:24*	*5*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/13/12 03:24*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 03:24*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	160		2.5		ug/L			03/13/12 03:24	5
Ethylbenzene	ND		2.5		ug/L			03/13/12 03:24	5
Toluene	ND		2.5		ug/L			03/13/12 03:24	5
Xylenes, Total	ND		5.0		ug/L			03/13/12 03:24	5
Methyl-t-Butyl Ether (MTBE)	23		2.5		ug/L			03/13/12 03:24	5
tert-Butyl alcohol (TBA)	2800		50		ug/L			03/13/12 03:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/13/12 03:24*	*5*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*03/13/12 03:24*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 03:24*	*5*

Lab Chronicle

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

TestAmerica Job ID: 440-4888-1

Client Sample ID: MW-1

Lab Sample ID: 440-4888-1
Matrix: Water

Date Collected: 03/05/12 13:20
Date Received: 03/07/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	12725	03/12/12 22:52	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	12726	03/12/12 22:52	YK	TAL IRV

Client Sample ID: MW-2

Lab Sample ID: 440-4888-2
Matrix: Water

Date Collected: 03/05/12 13:10
Date Received: 03/07/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	12985	03/13/12 23:09	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	12986	03/13/12 23:09	YK	TAL IRV

Client Sample ID: MW-3

Lab Sample ID: 440-4888-3
Matrix: Water

Date Collected: 03/05/12 13:00
Date Received: 03/07/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	12725	03/13/12 00:53	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	12726	03/13/12 00:53	YK	TAL IRV

Client Sample ID: MW-4

Lab Sample ID: 440-4888-4
Matrix: Water

Date Collected: 03/05/12 11:35
Date Received: 03/07/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	12725	03/13/12 01:24	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	12726	03/13/12 01:24	YK	TAL IRV

Client Sample ID: MW-5

Lab Sample ID: 440-4888-5
Matrix: Water

Date Collected: 03/05/12 11:15
Date Received: 03/07/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	12725	03/13/12 01:54	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	12726	03/13/12 01:54	YK	TAL IRV

Client Sample ID: MW-6

Lab Sample ID: 440-4888-6
Matrix: Water

Date Collected: 03/05/12 13:30
Date Received: 03/07/12 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	10 mL	10 mL	12725	03/13/12 02:24	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		20	10 mL	10 mL	12726	03/13/12 02:24	YK	TAL IRV

Lab Chronicle

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

TestAmerica Job ID: 440-4888-1

Client Sample ID: MW-7

Lab Sample ID: 440-4888-7

Date Collected: 03/05/12 13:50
Date Received: 03/07/12 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		50	10 mL	10 mL	12725	03/13/12 02:54	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		50	10 mL	10 mL	12726	03/13/12 02:54	YK	TAL IRV

Client Sample ID: MW-8

Lab Sample ID: 440-4888-8

Date Collected: 03/05/12 13:40
Date Received: 03/07/12 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	12725	03/13/12 03:24	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		5	10 mL	10 mL	12726	03/13/12 03:24	YK	TAL IRV

Laboratory References:

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

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

Lab Sample ID: MB 440-12725/4
Matrix: Water
Analysis Batch: 12725

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			03/12/12 21:21	1
Ethylbenzene	ND		0.50		ug/L			03/12/12 21:21	1
Toluene	ND		0.50		ug/L			03/12/12 21:21	1
Xylenes, Total	ND		1.0		ug/L			03/12/12 21:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			03/12/12 21:21	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			03/12/12 21:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/12/12 21:21*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*03/12/12 21:21*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/12/12 21:21*	*1*

Lab Sample ID: LCS 440-12725/5
Matrix: Water
Analysis Batch: 12725

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.2		ug/L		105	70 - 120
Ethylbenzene	25.0	25.4		ug/L		102	75 - 125
Toluene	25.0	26.8		ug/L		107	70 - 120
m,p-Xylene	50.0	55.1		ug/L		110	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	21.9		ug/L		88	60 - 135
o-Xylene	25.0	27.4		ug/L		110	75 - 125
tert-Butyl alcohol (TBA)	125	155		ug/L		124	70 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 440-4888-1 MS
Matrix: Water
Analysis Batch: 12725

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	22		25.0	49.5		ug/L		110	65 - 125
Ethylbenzene	ND		25.0	26.2		ug/L		105	65 - 130
Toluene	0.61		25.0	27.8		ug/L		109	70 - 125
m,p-Xylene	1.0		50.0	56.6		ug/L		111	65 - 130
Methyl-t-Butyl Ether (MTBE)	29		25.0	51.7		ug/L		90	55 - 145
o-Xylene	ND		25.0	27.8		ug/L		111	65 - 125
tert-Butyl alcohol (TBA)	ND		125	157		ug/L		126	65 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: 440-4888-1 MSD
Matrix: Water
Analysis Batch: 12725

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	22		25.0	45.7		ug/L		94	65 - 125	8	20
Ethylbenzene	ND		25.0	24.3		ug/L		97	65 - 130	8	20
Toluene	0.61		25.0	26.8		ug/L		105	70 - 125	4	20
m,p-Xylene	1.0		50.0	52.9		ug/L		104	65 - 130	7	25
Methyl-t-Butyl Ether (MTBE)	29		25.0	57.8		ug/L		115	55 - 145	11	25
o-Xylene	ND		25.0	26.2		ug/L		105	65 - 125	6	20
tert-Butyl alcohol (TBA)	ND		125	144		ug/L		115	65 - 140	9	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 440-12985/4
Matrix: Water
Analysis Batch: 12985

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			03/13/12 21:42	1
Ethylbenzene	ND		0.50		ug/L			03/13/12 21:42	1
Toluene	ND		0.50		ug/L			03/13/12 21:42	1
Xylenes, Total	ND		1.0		ug/L			03/13/12 21:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			03/13/12 21:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/13/12 21:42*	*1*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*03/13/12 21:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 21:42*	*1*

Lab Sample ID: LCS 440-12985/5
Matrix: Water
Analysis Batch: 12985

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	23.9		ug/L		96	70 - 120
Ethylbenzene	25.0	24.2		ug/L		97	75 - 125
Toluene	25.0	24.2		ug/L		97	70 - 120
m,p-Xylene	50.0	50.3		ug/L		101	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	18.8		ug/L		75	60 - 135
o-Xylene	25.0	24.6		ug/L		98	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: 440-4888-2 MS
Matrix: Water
Analysis Batch: 12985

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	24.5		ug/L		98	65 - 125
Ethylbenzene	ND		25.0	24.9		ug/L		100	65 - 130
Toluene	ND		25.0	24.9		ug/L		100	70 - 125
m,p-Xylene	ND		50.0	50.8		ug/L		102	65 - 130
Methyl-t-Butyl Ether (MTBE)	1.2		25.0	20.4		ug/L		77	55 - 145
o-Xylene	ND		25.0	25.0		ug/L		100	65 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 440-4888-2 MSD
Matrix: Water
Analysis Batch: 12985

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	24.6		ug/L		98	65 - 125	0	20
Ethylbenzene	ND		25.0	24.7		ug/L		99	65 - 130	1	20
Toluene	ND		25.0	25.3		ug/L		101	70 - 125	2	20
m,p-Xylene	ND		50.0	50.9		ug/L		102	65 - 130	0	25
Methyl-t-Butyl Ether (MTBE)	1.2		25.0	20.9		ug/L		79	55 - 145	2	25
o-Xylene	ND		25.0	25.4		ug/L		102	65 - 125	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 440-12726/4
Matrix: Water
Analysis Batch: 12726

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			03/12/12 21:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*03/12/12 21:21*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/12/12 21:21*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/12/12 21:21*	*1*

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

Lab Sample ID: LCS 440-12726/6
Matrix: Water
Analysis Batch: 12726

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	421		ug/L		84	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*89*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 440-4888-1 MS
Matrix: Water
Analysis Batch: 12726

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)	150		1730	1340		ug/L		69	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 440-4888-1 MSD
Matrix: Water
Analysis Batch: 12726

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)	150		1730	1340		ug/L		69	50 - 145	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 440-12986/4
Matrix: Water
Analysis Batch: 12986

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			03/13/12 21:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*03/13/12 21:42*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/13/12 21:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/13/12 21:42*	*1*

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

Lab Sample ID: LCS 440-12986/6
Matrix: Water
Analysis Batch: 12986

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	372		ug/L		74	55 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*84*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 440-4888-2 MS
Matrix: Water
Analysis Batch: 12986

Client Sample ID: MW-2
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)	100		1730	1360		ug/L		73	50 - 145		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 440-4888-2 MSD
Matrix: Water
Analysis Batch: 12986

Client Sample ID: MW-2
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)	100		1730	1390		ug/L		75	50 - 145	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

QC Association Summary

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

TestAmerica Job ID: 440-4888-1

GC/MS VOA

Analysis Batch: 12725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-4888-1	MW-1	Total/NA	Water	8260B	
440-4888-1 MS	MW-1	Total/NA	Water	8260B	
440-4888-1 MSD	MW-1	Total/NA	Water	8260B	
440-4888-3	MW-3	Total/NA	Water	8260B	
440-4888-4	MW-4	Total/NA	Water	8260B	
440-4888-5	MW-5	Total/NA	Water	8260B	
440-4888-6	MW-6	Total/NA	Water	8260B	
440-4888-7	MW-7	Total/NA	Water	8260B	
440-4888-8	MW-8	Total/NA	Water	8260B	
LCS 440-12725/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-12725/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 12726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-4888-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-1 MS	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-1 MSD	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-3	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-5	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-6	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-7	MW-7	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-8	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-12726/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-12726/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 12985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-4888-2	MW-2	Total/NA	Water	8260B	
440-4888-2 MS	MW-2	Total/NA	Water	8260B	
440-4888-2 MSD	MW-2	Total/NA	Water	8260B	
LCS 440-12985/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-12985/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 12986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-4888-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-2 MS	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-4888-2 MSD	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-12986/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 12986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-12986/4	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: 440-4888-1

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. 10.001r
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 (_____)
- ☐ 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: Peter Schaefer 240594

INCIDENT # (ENV SERVICES): 98995750

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/5/12

PAGE: 1 of 1

PO #: 40-40347393

SAP #:

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

PHONE NO.: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: 120305-CK2

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

TELEPHONE: 310-995-4455 x 108

FAX: 310-637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print):DD: COREY KILPATRICK

LAB USE ONLY: 120-4886

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 :

Email invoice and copy of final report to Shell.Lab.Billing@craworld.com

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

REQUESTED ANALYSIS

TEMPERATURE ON RE: C° 4.9°C

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH -GRO, Purgeable (8260B)	TPH -DRO, Extractable (8015M)	TPHg (8015M)	BTEX (5260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	Full VOC list (8260B)	Single Compound: (8260B)	1,2-DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
	MW-1	3/5/12	1320	W	X					3	X				X									
	MW-2	"	1310	"	X					3	X				X									
	MW-3	"	1300	"	X					3	X					X								
	MW-4	"	1135	"	X					3	X					X								
	MW-5	"	1115	"	X					3	X					X								
	MW-6	"	1330	"	X					3	X					X								
	MW-7	"	1350	"	X					3	X					X								
	MW-8	"	1340	"	X					3	X					X								

Relinquished by: (Signature)	Received by: (Signature)	Date: 3/5/12	Time: 1550
Relinquished by: (Signature) (Shuttle Logistics)	Received by: (Signature) (S.C.)	Date: 3/6/12	Time: 0830
Relinquished by: (Signature)	Received by: (Signature) (TMF) 3/7/12 10:00	Date: 03/06/12	Time: 1100

05/2/06 Revision

0/5

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-4888-1

Login Number: 4888
List Number: 1
Creator: Escalante, Maria

List Source: TestAmerica Irvine

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