CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: April 5, 2013

REFERENCE NO.: 240733

PROJECT NAME: 2120 Montana Street, Oakland

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

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

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

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - First Quarter 2013

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

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

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Bhushan Bansal, Bansal, Inc. (property owner), 2120 Montana Street, Oakland, CA 94602-2218

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
2120 Montana Street
Oakland, California
SAP Code 135675
Incident No. 98995740
ACEH Case No. RO0000173

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 2013

SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET
OAKLAND, CALIFORNIA

SAP CODE	135675
INCIDENT NO.	98995740
AGENCY NO.	RO0000173

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

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APRIL 5, 2013
REF. NO. 240733 (19)
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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	2120 Montana 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.	RO0000173
Shell SAP Code	135675
Shell Incident No.	98995740

Date of most recent agency correspondence was February 11, 2013 (electronic).

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Between November 2012 and January 2013, the service station's underground storage tanks (USTs) were replaced. UST backfill wells TBW-N, TBW-S, TBW-E, and TBW-W were removed by the contractor during the UST removal and replacement. This site is usually sampled during December; however, due to site construction, the wells were inaccessible and groundwater gauging and sampling were delayed until February 20, 2013. Alameda County Environmental Health's February 11, 2013 electronic correspondence extended the due date for this report to April 5, 2013.

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site, with the exceptions of the sampling schedule and tank backfill well TBW-N could not be sampled because it was removed during the UST replacement.

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

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Generally southerly to southwesterly
Hydraulic Gradient	Variable
Depth to Water	10.70 to 13.60 feet below top of well casing

2.3 PROPOSED ACTIVITIES

CRA submitted an *Underground Storage Tank Removal Report* on April 1, 2013.

Blaine will gauge and sample wells according to the established monitoring program for this site, with the exception that tank backfill well TBW-N can no longer be sampled because it was removed during UST replacement. This site is monitored semiannually during the second and fourth quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events.

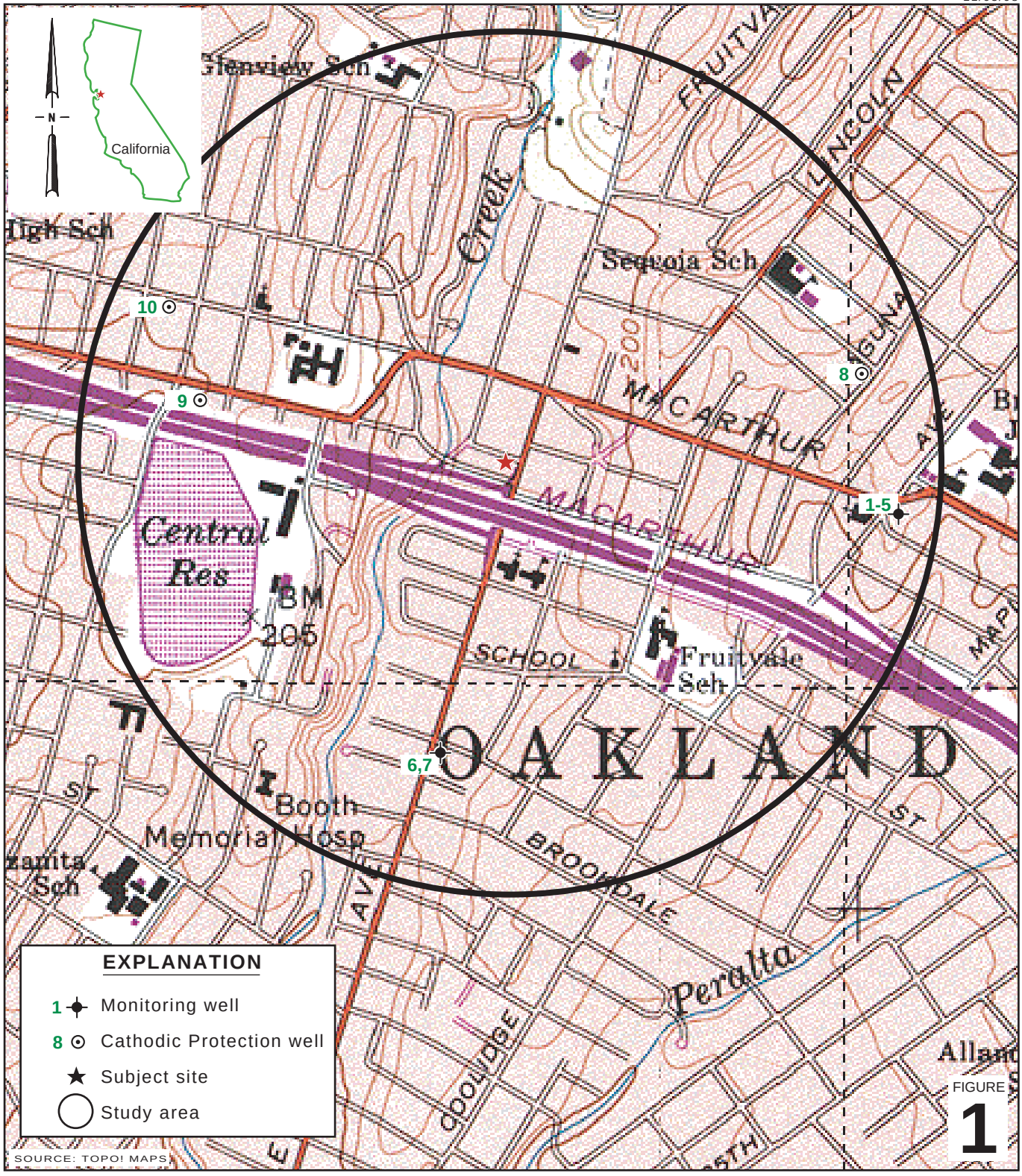
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

11/05/08



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0 1/6 1/3 1/2 1

SCALE : 1" = 1/6 MILE

FIGURE 1

Shell-branded Service Station
2120 Montana Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

04/05/2013

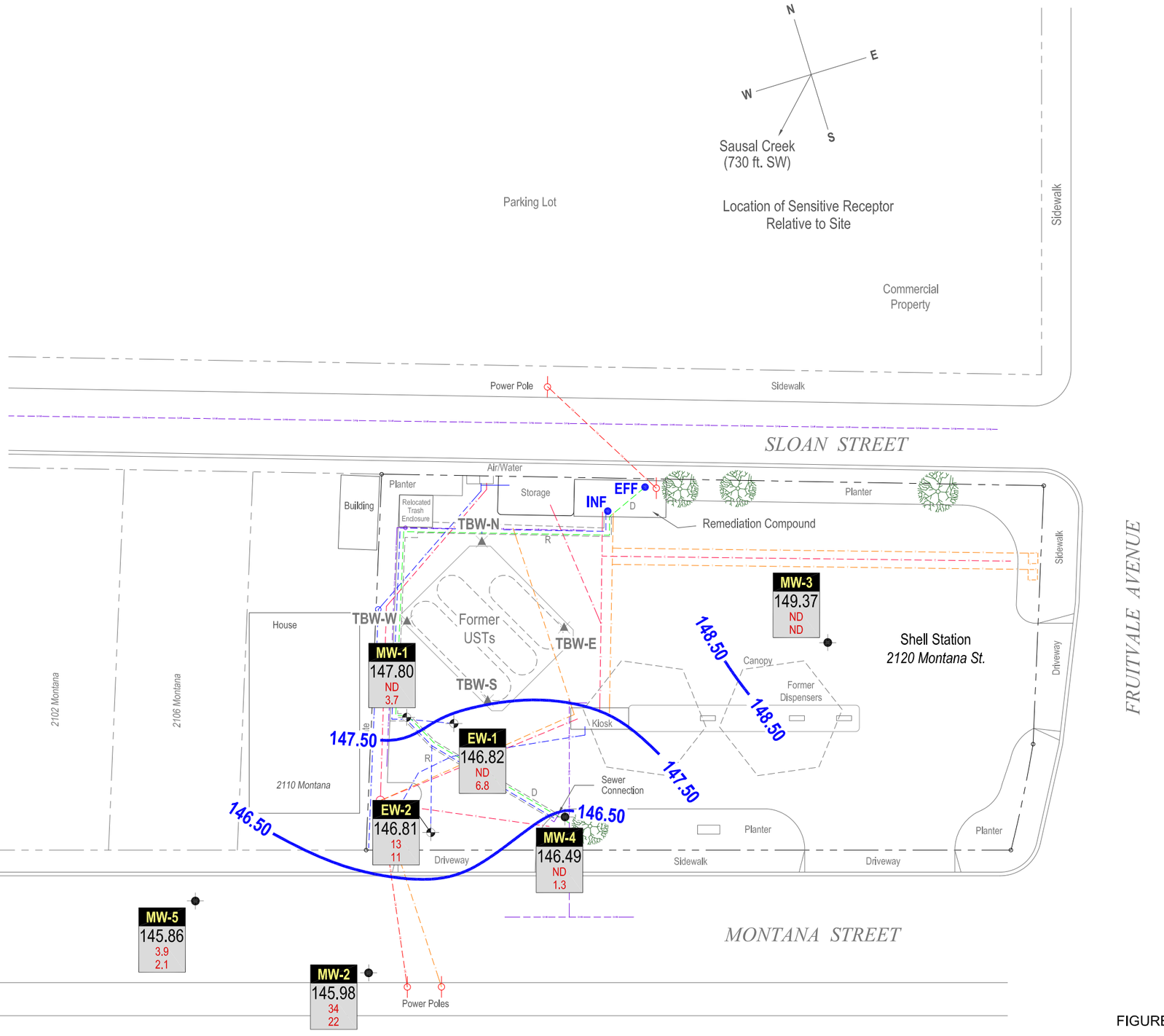
EXPLANATION

- **EW-1** Extraction well location
- **MW-1** Monitoring well formerly used for groundwater extraction
- **MW-2** Monitoring well location
- **TBW-E** Destroyed tank backfill well location
- Electrical line (E)
- Overhead electric line (OE)
- Sanitary sewer (SS)
- Water line (W)
- Telecommunications line (T)
- XX.XX Groundwater elevation contour, in feet above mean sea level (ft MSL)

Well
ELEV
Benzene
MTBE

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

Notes:
ND = Not detected



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Groundwater Contour and Chemical Concentration Map

February 20, 2013

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

2120 Montana Street
Oakland, California

FIGURE
2

TABLE

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
MW-1	03/19/2001	---	---	---	---	---	---	---	---	---	---	159.59	12.14	147.45	---
MW-1	03/23/2001	16,600	753	1,720	407	2,330	27,500	---	---	---	---	159.59	12.25	147.34	---
MW-1	05/31/2001	<20,000	1,000	920	490	2,000	54,000	---	---	---	---	159.59	12.22	147.37	---
MW-1	06/27/2001	---	---	---	---	---	---	---	---	---	---	159.59	13.00 a	---	---
MW-1	07/09/2001	---	---	---	---	---	---	---	---	---	---	159.59	13.17	146.67	0.31
MW-1	09/25/2001	---	---	---	---	---	---	---	---	---	---	159.59	14.27	145.66	0.43
MW-1	11/20/2001	---	---	---	---	---	---	---	---	---	---	159.59	13.49	146.14	0.05
MW-1	12/05/2001	---	---	---	---	---	---	---	---	---	---	159.59	11.32	148.31	0.05
MW-1	03/01/2002	---	---	---	---	---	---	---	---	---	---	159.59	13.22	146.56	0.24
MW-1	06/06/2002	---	---	---	---	---	---	---	---	---	---	159.59	12.99	147.00	0.50
MW-1	07/16/2002	---	---	---	---	---	---	---	---	---	---	159.59	13.37	146.22	---
MW-1	09/06/2002	---	---	---	---	---	---	---	---	---	---	159.57	13.30	146.70	0.54
MW-1	12/12/2002	---	---	---	---	---	---	---	---	---	---	159.57	13.78	146.61	1.03
MW-1	03/31/2003	---	---	---	---	---	---	---	---	---	---	159.57	11.21	148.38	0.03
MW-1	06/30/2003	7,800	<25	37	<25	380	2,000	---	---	---	---	159.57	12.20	147.37	---
MW-1	09/09/2003	---	---	---	---	---	---	---	---	---	---	159.08	15.70	145.28	2.38
MW-1	12/29/2003	---	---	---	---	---	---	---	---	---	---	159.08	11.25	147.89	0.07
MW-1	03/17/2004	---	---	---	---	---	---	---	---	---	---	159.08	11.80	147.40	0.15
MW-1	05/24/2004	---	---	---	---	---	---	---	---	---	---	159.08	12.42	146.71	0.06
MW-1	09/17/2004	8,000	530	380	330	960	1,100	4,100	<20	<20	<20	159.08	15.95	143.13	---
MW-1	12/06/2004	2,800	150	<5.0	120	120	300	---	---	---	---	159.08	13.15	145.93	---
MW-1	03/02/2005	13,000	490	710	360	2,200	5,000	---	---	---	---	159.08	12.14	146.94	---
MW-1	06/10/2005	5,600	210	120	120	910	3,100	---	---	---	---	159.08	---	---	<0.01
MW-1	09/01/2005	<1,300	73	<13	30	42	2,400	13,000	<50	<50	<50	159.08	11.71	147.37	---
MW-1	11/16/2005	4,150	62.7	10.9	45.2	98.9	845	---	---	---	---	159.08	11.71	147.37	---
MW-1 c	03/03/2006	<50.0	<0.500	<0.500	<0.500	<0.500	0.790	<10.0	---	---	---	159.08	13.37	145.71	---
MW-1	05/12/2006	3,430	80.0	0.530	26.8	71.9	154	1,040	---	---	---	159.08	17.41	141.67	---
MW-1	09/05/2006	5,390	24.8	2.44	6.69	22.2	106	4,860	<0.500	<0.500	<0.500	159.08	12.12	146.96	---
MW-1	12/18/2006	6,800	120	28	110	840	1,100	5,400	---	---	---	159.08	10.74	148.34	---
MW-1	03/21/2007	Well inaccessible		---	---	---	---	---	---	---	---	159.08	---	---	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*
MW-1	06/14/2007	6,200	18	<5.0	11	4.6 e	68	1,800	---	---	---	159.08	19.82	139.26	---
MW-1	08/27/2007	2,700 f	13	<5.0	3.9 e	5.6 e	54	1,200	<10	<10	<10	159.08	12.20	146.88	---
MW-1	11/29/2007	2,600 f	20	1.9 e	8.3	29.4	350	4,100	---	---	---	159.08	11.68	147.40	---
MW-1	03/21/2008	4,600	42	<5.0	120	94	300	3,200	---	---	---	159.08	11.59	147.49	---
MW-1	05/29/2008	1,800	11	<5.0	<5.0	<5.0	150	3,900	---	---	---	159.08	11.87	147.21	---
MW-1	08/29/2008	2,400	42	<5.0	23	<5.0	320	4,700	<10	<10	<10	159.08	12.33	146.75	---
MW-1	12/29/2008	2,700	30	<5.0	28	45	460	3,300	---	---	---	159.08	11.21	147.87	---
MW-1	03/05/2009	2,000	15	<5.0	<5.0	66	83	980	---	---	---	159.08	8.98	150.10	---
MW-1	05/27/2009	2,100	25	<1.0	69	52	220	2,500	---	---	---	159.08	11.71	147.37	---
MW-1	12/28/2009	1,500	8.5	<2.0	8.8	7.4	140	1,800	<4.0	<4.0	<4.0	159.08	11.13	147.95	---
MW-1	06/02/2010	2,100	22	<2.0	73	51	140	2,600	---	---	---	159.08	11.10	147.98	---
MW-1	12/28/2010	3,700	26	<2.0	69	260	100	1,400	<4.0	<4.0	<4.0	159.08	9.95	149.13	---
MW-1	06/20/2011	2,000	11	<0.50	93	120	64	1,400	---	---	---	159.08	11.40	147.68	---
MW-1	12/13/2011	1,100	1.14	<0.500	2.55	3.58	36.0	530	<0.500	<0.500	<0.500	159.08	12.17	146.91	---
MW-1	05/30/2012	870	1.8	<1.0	9.9	5.7	25	810	---	---	---	159.08	11.56	147.52	---
MW-1	**02/20/2013**	**270**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**3.7**	**200**	**<0.50**	**<0.50**	**<0.50**	**159.08**	**11.28**	**147.80**	**---**
MW-2	03/19/2001	---	---	---	---	---	---	---	---	---	---	158.03	11.60	146.43	---
MW-2	03/23/2001	4,450	280	41.0	62.1	63.0	16,600	---	---	---	---	158.03	11.76	146.27	---
MW-2	05/31/2001	<20,000	820	<200	<200	<200	63,000	---	---	---	---	158.03	11.40	146.63	---
MW-2	06/27/2001	<50,000	610	4.0	13	9.2	47,000	---	---	---	---	158.03	12.65	145.38	---
MW-2	09/25/2001	<2,000	41	<20	<20	<20	6,400	---	---	---	---	158.03	12.89	145.14	---
MW-2	12/05/2001	<2,000	74	<20	<20	<20	8,400	---	---	---	---	158.03	10.40	147.63	---
MW-2	03/01/2002	<1,000	<10	<10	<10	<10	2,900	---	---	---	---	158.03	11.52	146.51	---
MW-2	06/06/2002	<5,000	210	<50	<50	<50	23,000	---	---	---	---	158.03	12.15	145.88	---
MW-2	07/16/2002	---	---	---	---	---	---	---	---	---	---	158.03	12.25	145.78	---
MW-2	09/06/2002	<2,000	56	<20	<20	<20	11,000	---	---	---	---	158.01	12.44	145.57	---
MW-2	12/12/2002	<2,500	80	<25	<25	<25	13,000	---	---	---	---	158.01	12.53	145.48	---
MW-2	03/31/2003	<5,000	230	1,200	95	150	13,000	---	---	---	---	158.01	11.98	146.03	---
MW-2	06/30/2003	<12,000	780	<120	170	250	9,000	---	---	---	---	158.01	12.10	145.91	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
MW-2	09/09/2003	140,000	4,600	40,000	4,800	32,000	11,000	---	---	---	---	158.01	12.94	145.07	---
MW-2	12/29/2003	220,000	240	4,800	2,900	19,000	1,000	---	---	---	---	158.01	11.20	146.81	---
MW-2	03/17/2004	25,000	170	390	280	1,400	1,500	---	---	---	---	158.01	11.40	146.61	---
MW-2	05/24/2004	140,000	<25	220	1,200	6,800	320	---	---	---	---	158.01	12.28	145.73	---
MW-2	09/17/2004	64,000	2,900	230	2,300	9,700	6,300	4,100	<100	<100	<100	158.01	12.90	145.11	---
MW-2	12/06/2004	47,000	1,200	46	1,300	6,000	3,900	---	---	---	---	158.01	13.02	144.99	---
MW-2	03/02/2005	85,000	1,600	81	1,900	6,900	2,500	---	---	---	---	158.01	11.06	146.95	---
MW-2	06/10/2005	100,000	450	<25	440	800	300	---	---	---	---	158.01	11.71	146.30	---
MW-2	09/01/2005	140,000 g	490	<25	550	850	110	1,900	<100	<100	<100	158.01	12.11	145.90	---
MW-2	11/16/2005	473,000 d	776	18.7	1,300	2,730	374	---	---	---	---	158.01	12.15	145.86	---
MW-2 c	03/03/2006	4,830	6.25	2.29	14.6	5.45	106	228	---	---	---	158.01	11.40	146.61	---
MW-2	05/12/2006	7,610	1,200	27.9	858	396	688	681	---	---	---	158.01	14.22	143.79	---
MW-2	09/05/2006	84,000	683	10.2	314	300	96.7	1,250	<0.500	<0.500	<0.500	158.01	12.20	145.81	---
MW-2	12/18/2006	19,000	230	6.2	130	64	94	1,600	---	---	---	158.01	11.03	146.98	---
MW-2	03/21/2007	30,000	380	31	460	290	95	1,700	---	---	---	158.01	11.75	146.26	---
MW-2	06/14/2007	Well inaccessible		---	---	---	---	---	---	---	---	158.01	---	---	---
MW-2	08/27/2007	83,000 f	220	8.7 e	99	24.5 e	<10	980	<20	<20	<20	158.01	12.54	145.47	---
MW-2	11/29/2007	23,000 f	28	<10	20	<10	<10	1,200	---	---	---	158.01	11.77	146.24	---
MW-2	03/21/2008	Well inaccessible		---	---	---	---	---	---	---	---	158.01	---	---	---
MW-2	05/29/2008	14,000	130	14	78	6.8	130	1,000	---	---	---	158.01	12.11	145.90	---
MW-2	08/29/2008	14,000	120	10	23	6.6	60	810	<10	<10	<10	158.01	12.32	145.69	---
MW-2	12/29/2008	33,000	110	<10	15	<10	58	890	---	---	---	158.01	11.61	146.40	---
MW-2	03/05/2009	22,000	250	55	130	60	130	1,200	---	---	---	158.01	9.60	148.41	---
MW-2	05/27/2009	11,000	150	20	110	49	110	740	---	---	---	158.01	12.08	145.93	---
MW-2	12/28/2009	20,000	120	9.5	16	11	85	720	<10	<10	<10	158.01	11.79	146.22	---
MW-2	06/02/2010	59,000	100	<20	36	<20	75	600	---	---	---	158.01	11.92	146.09	---
MW-2	12/28/2010	9,100	120	8.9	52	26	50	700	<10	<10	<10	158.01	10.84	147.17	---
MW-2	06/20/2011	12,000	36	8.8	28	21	68	570	---	---	---	158.01	12.34	145.67	---
MW-2	12/13/2011	6,000	21.9	2.15	2.98	4.19	27.6	307	<0.500	<0.500	<0.500	158.01	12.88	145.13	---
MW-2	05/30/2012	6,100	40	13	14	29	<5.0	550	---	---	---	158.01	12.71	145.30	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
MW-2	**02/20/2013**	**5,300**	**34**	**6.7**	**16**	**28**	**22**	**380**	**<1.3**	**<1.3**	**<1.3**	**158.01**	**12.03**	**145.98**	**---**
MW-3	03/19/2001	---	---	---	---	---	---	---	---	---	---	161.13	11.42	149.71	---
MW-3	03/23/2001	<50.0	<0.500	<0.500	<0.500	<0.500	1.26	---	---	---	---	161.13	11.42	149.71	---
MW-3	05/31/2001	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.13	13.00	148.13	---
MW-3	06/27/2001	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	161.13	12.32	148.81	---
MW-3	09/25/2001	<50	<0.50	<0.50	<0.50	<0.50	<0.50	---	---	---	---	161.13	12.50	148.63	---
MW-3	12/05/2001	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.13	10.13	151.00	---
MW-3	03/01/2002	<50	<0.50	<0.50	<0.50	0.73	<5.0	---	---	---	---	161.13	11.63	149.50	---
MW-3	06/06/2002	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.13	11.55	149.58	---
MW-3	07/16/2002	---	---	---	---	---	---	---	---	---	---	161.13	11.72	149.41	---
MW-3	09/06/2002	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.11	12.24	148.87	---
MW-3	12/12/2002	<50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---	---	161.11	12.18	148.93	---
MW-3	03/31/2003	<50	<0.50	<0.50	<0.50	<1.0	0.78	---	---	---	---	161.11	11.94	149.17	---
MW-3	06/30/2003	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	161.11	12.50	148.61	---
MW-3	09/09/2003	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	161.11	12.55	148.56	---
MW-3	12/29/2003	<50	<0.50	<0.50	<0.50	<1.0	0.70	---	---	---	---	161.11	10.90	150.21	---
MW-3	03/17/2004	<50	<0.50	<0.50	<0.50	<1.0	2.1	---	---	---	---	161.11	11.63	149.48	---
MW-3	05/24/2004	<50	<0.50	<0.50	<0.50	1.0	0.96	---	---	---	---	161.11	11.32	149.79	---
MW-3	09/17/2004	<50	<0.50	<0.50	<0.50	1.0	2.6	<5.0	<2.0	<2.0	<2.0	161.11	12.13	148.98	---
MW-3	12/06/2004	<50	<0.50	<0.50	<0.50	<1.0	6.1	---	---	---	---	161.11	12.28	148.83	---
MW-3	03/02/2005	<50	<0.50	<0.50	<0.50	<1.0	2.4	---	---	---	---	161.11	10.42	150.69	---
MW-3	06/10/2005	<50	<0.50	<0.50	<0.50	<1.0	1.6	---	---	---	---	161.11	11.15	149.96	---
MW-3	09/01/2005	<50	<0.50	<0.50	<0.50	<1.0	0.54	<5.0	<2.0	<2.0	<2.0	161.11	12.55	148.56	---
MW-3	11/16/2005	<50.0	<0.500	<0.500	<0.500	<0.500	0.570	---	---	---	---	161.11	12.04	149.07	---
MW-3 c	03/03/2006	16,000 d	191	107 d	127	997 d	1,090 d	---	---	---	---	161.11	10.36	150.75	---
MW-3	05/12/2006	<50.0	<0.500	<0.500	<0.500	<0.500	1.45	---	---	---	---	161.11	12.24	148.87	---
MW-3	09/05/2006	<50.0	<0.500	<0.500	<0.500	<0.500	1.62	<10.0	<0.500	<0.500	<0.500	161.11	12.52	148.59	---
MW-3	12/18/2006	<50	<0.50	<0.50	<0.50	<1.0	0.88	---	---	---	---	161.11	11.00	150.11	---
MW-3	03/21/2007	<50	<0.50	<0.50	<0.50	<1.0	<1.0	---	---	---	---	161.11	12.10	149.01	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
MW-3	06/14/2007	100	<0.50	<1.0	<1.0	<1.0	2.4	---	---	---	---	161.11	12.08	149.03	---
MW-3	08/27/2007	<50 f	<0.50	<1.0	<1.0	<1.0	1.3	<10	<2.0	<2.0	<2.0	161.11	12.54	148.57	---
MW-3	11/29/2007	<50 f	<0.50	<1.0	<1.0	<1.0	0.52 e	---	---	---	---	161.11	12.09	149.02	---
MW-3	03/21/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	12.20	148.91	---
MW-3	05/29/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	12.12	148.99	---
MW-3	08/29/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	161.11	12.49	148.62	---
MW-3	12/29/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	11.40	149.71	---
MW-3	03/05/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	9.50	151.61	---
MW-3	05/27/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	11.83	149.28	---
MW-3	12/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	161.11	11.68	149.43	---
MW-3	06/02/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	---	---	---	---	161.11	11.71	149.40	---
MW-3	12/28/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	161.11	10.80	150.31	---
MW-3	06/20/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	---	---	---	---	161.11	11.95	149.16	---
MW-3	12/13/2011	<50	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	161.11	12.00	149.11	---
MW-3	05/30/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	---	---	---	---	161.11	12.22	148.89	---
MW-3	**02/20/2013**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<10**	**<0.50**	**<0.50**	**<0.50**	**161.11**	**11.74**	**149.37**	**---**
MW-4	07/10/2002	---	---	---	---	---	---	---	---	---	---	---	13.19	---	---
MW-4	07/16/2002	800	1.1	1.1	2.6	2.4	450	---	---	---	---	---	13.56	---	---
MW-4	09/06/2002	1,100	3.0	1.8	8.0	4.6	110	---	---	---	---	160.09	13.67	146.42	---
MW-4	12/12/2002	130	<0.50	<0.50	<0.50	<0.50	940	---	---	---	---	160.09	14.06	146.03	---
MW-4	03/31/2003	<250	<2.5	<2.5	<2.5	<5.0	500	---	---	---	---	160.09	13.69	146.40	---
MW-4	06/30/2003	3,100	5.3	<5.0	7.1	<10	420	---	---	---	---	160.09	14.12	145.97	---
MW-4	09/09/2003	1,400	2.4	2.0	2.6	3.2	140	---	---	---	---	160.09	14.92	145.17	---
MW-4	12/29/2003	2,700	10	6.2	20	11	420	---	---	---	---	160.09	12.71	147.38	---
MW-4	03/17/2004	1,900	6.9	3.0	33	22	290	---	---	---	---	160.09	13.24	146.85	---
MW-4	05/24/2004	1,800	<2.5	<2.5	<2.5	11	44	---	---	---	---	160.09	14.03	146.06	---
MW-4	09/17/2004	3,300	57	10	47	32	310	700	<10	<10	<10	160.09	13.58	146.51	---
MW-4	12/06/2004	4,700	9.4	3.8	34	12	150	---	---	---	---	160.09	14.65	145.44	---
MW-4	03/02/2005	<1,300	<13	<13	<13	<25	150	---	---	---	---	160.09	12.67	147.42	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*
MW-4	06/10/2005	2,600	4.1	1.9	25	5.6	61	---	---	---	---	160.09	13.11	146.98	---
MW-4	09/01/2005	4,000 g	<13	<13	22	<25	36	<130	<50	<50	<50	160.09	14.00	146.09	---
MW-4	11/16/2005	4,740	3.23	1.75	12.8	6.06	12.2	---	---	---	---	160.09	13.87	146.22	---
MW-4 c	03/03/2006	79,300 d	649 d	37.2	470 d	326	577 d	---	---	---	---	160.09	12.80	147.29	---
MW-4	05/12/2006	2,750	8.03	<0.500	<0.500	<0.500	244	---	---	---	---	160.09	16.26	143.83	---
MW-4	09/05/2006	2,230	2.04	1.24	<0.500	1.50	95.9	239	<0.500	<0.500	<0.500	160.09	13.92	146.17	---
MW-4	12/18/2006	1,400	4.3	1.7	7.3	2.8	140	---	---	---	---	160.09	12.71	147.38	---
MW-4	03/21/2007	540	0.68	0.51	4.0	<1.0	140	---	---	---	---	160.09	13.35	146.74	---
MW-4	06/14/2007	---	---	---	---	---	---	---	---	---	---	160.09	19.02	141.07	---
MW-4	08/27/2007	880 f,g	0.38 e	<1.0	<1.0	<1.0	8.5	98	<2.0	<2.0	<2.0	160.09	13.92	146.17	---
MW-4	11/29/2007	3,200 f	1.9	1.2	1.9	2.55 e	<1.0	---	---	---	---	160.09	13.50	146.59	---
MW-4	03/21/2008	350	<0.50	<1.0	<1.0	<1.0	8.2	---	---	---	---	160.09	13.45	146.64	---
MW-4	05/29/2008	1,800	1.6	<1.0	1.8	1.5	13	---	---	---	---	160.09	13.73	146.36	---
MW-4	08/29/2008	1,300	1.5	<1.0	1.2	1.3	13	54	<2.0	<2.0	<2.0	160.09	14.08	146.01	---
MW-4	12/29/2008	1,700	1.8	1.4	2.3	1.6	8.9	---	---	---	---	160.09	13.13	146.96	---
MW-4	03/05/2009	1,800	1.6	<1.0	<1.0	<1.0	16	---	---	---	---	160.09	11.12	148.97	---
MW-4	05/27/2009	2,000	4.6	1.8	3.5	2.2	28	---	---	---	---	160.09	13.35	146.74	---
MW-4	12/28/2009	1,100	0.66	<1.0	<1.0	<1.0	7.4	72	<2.0	<2.0	<2.0	160.09	13.35	146.74	---
MW-4	06/02/2010	1,400	1.5	<1.0	1.8	1.0	8.6	---	---	---	---	160.09	13.33	146.76	---
MW-4	12/28/2010	1,100	<0.50	<1.0	<1.0	<1.0	5.8	50	<2.0	<2.0	<2.0	160.09	12.38	147.71	---
MW-4	06/20/2011	90	<0.50	<0.50	<0.50	<1.0	2.8	---	---	---	---	160.09	13.87	146.22	---
MW-4	12/13/2011	290	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	160.09	14.04	146.05	---
MW-4	05/30/2012	110	<0.50	<0.50	<0.50	<1.0	5.0	---	---	---	---	160.09	12.77	147.32	---
MW-4	**02/20/2013**	**86**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.3**	**590**	**<0.50**	**<0.50**	**<0.50**	**160.09**	**13.60**	**146.49**	**---**
MW-5	07/10/2002	---	---	---	---	---	---	---	---	---	---	---	12.22	---	---
MW-5	07/16/2002	6,100	65	7.2	100	130	410	---	---	---	---	---	12.50	---	---
MW-5	09/06/2002	5,900	100	8.1	41	32	230	---	---	---	---	158.25	12.77	145.48	---
MW-5	12/12/2002	4,900	70	5.7	25	17	280	---	---	---	---	158.25	12.71	145.54	---
MW-5	03/31/2003	6,400	61	4.9	23	13	330	---	---	---	---	158.25	11.93	146.32	---

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
MW-5	06/30/2003	3,400	18	<2.5	17	5.5	47	---	---	---	---	158.25	11.97	146.28	---
MW-5	09/09/2003	6,800	46	23	39	42	67	---	---	---	---	158.25	12.44	145.81	---
MW-5	12/29/2003	8,400	44	6.2	36	16	60	---	---	---	---	158.25	11.38	146.87	---
MW-5	03/17/2004	7,100	120	22	42	27	300	---	---	---	---	158.25	11.68	146.57	---
MW-5	05/24/2004	6,100	72	17	34	23	110	---	---	---	---	158.25	12.30	145.95	---
MW-5	09/17/2004	5,700	27	5.3	35	<10	28	<50	<20	<20	<20	158.25	12.15	146.10	---
MW-5	12/06/2004	4,500	11	<5.0	22	<10	7.5	---	---	---	---	158.25	12.85	145.40	---
MW-5	03/02/2005	6,500	14	<2.5	18	<5.0	6.0	---	---	---	---	158.25	10.83	147.42	---
MW-5	06/10/2005	5,300	19	2.4	17	4.3	7.2	---	---	---	---	158.25	12.00	146.25	---
MW-5	09/01/2005	1,900 g	5.3	<2.5	6.9	<5.0	<2.5	<25	<10	<10	<10	158.25	12.30	145.95	---
MW-5	11/16/2005	3,590	4.66	0.580	7.69	1.45	1.13	---	---	---	---	158.25	12.58	145.67	---
MW-5	03/03/2006	5,760	7.08	0.960	8.46	2.18	2.65	---	---	---	---	158.25	11.15	147.10	---
MW-5	05/12/2006	1,960	3.66	<0.500	1.03	<0.500	1.45	---	---	---	---	158.25	12.55	145.70	---
MW-5	09/05/2006	3,730	4.23	0.780	3.19	0.790	1.77	32.9	<0.500	<0.500	<0.500	158.25	12.70	145.55	---
MW-5	12/18/2006	1,600	5.1	0.66	6.0	3.3	<0.50	---	---	---	---	158.25	11.40	146.85	---
MW-5	03/21/2007	210	1.7	<0.50	<0.50	<1.0	<1.0	---	---	---	---	158.25	12.17	146.08	---
MW-5	06/14/2007	2,300	1.5	<1.0	0.43 e	<1.0	<1.0	---	---	---	---	158.25	13.50	144.75	---
MW-5	08/27/2007	2,500 f,g	3.2	0.41 e	2.8	2.48 e	<1.0	6.8 e	<2.0	<2.0	<2.0	158.25	12.55	145.70	---
MW-5	11/29/2007	2,300 f	7.8	0.45 e	0.75 e	0.60 e	<1.0	---	---	---	---	158.25	11.97	146.28	---
MW-5	03/21/2008	1,400	24	5.5	1.8	2.2	6.6	---	---	---	---	158.25	11.70	146.55	---
MW-5	05/29/2008	1,400	33	2.9	<1.0	3.2	6.9	---	---	---	---	158.25	12.27	145.98	---
MW-5	08/29/2008	960	14	<1.0	<1.0	1.4	4.3	<10	<2.0	<2.0	<2.0	158.25	12.46	145.79	---
MW-5	12/29/2008	1,200	12	<1.0	<1.0	<1.0	<1.0	---	---	---	---	158.25	11.80	146.45	---
MW-5	03/05/2009	1,900	24	2.9	3.7	7.9	<1.0	---	---	---	---	158.25	9.82	148.43	---
MW-5	05/27/2009	1,400	23	1.7	2.0	4.9	4.4	---	---	---	---	158.25	12.34	145.91	---
MW-5	12/28/2009	980	7.5	<1.0	<1.0	<1.0	2.3	<10	<2.0	<2.0	<2.0	158.25	12.18	146.07	---
MW-5	06/02/2010	1,200	12	<1.0	<1.0	3.1	<1.0	---	---	---	---	158.25	12.04	146.21	---
MW-5	12/28/2010	970	5.5	<1.0	<1.0	<1.0	1.3	<10	<2.0	<2.0	<2.0	158.25	11.11	147.14	---
MW-5	06/20/2011	1,400	9.4	0.90	0.99	3.6	2.6	---	---	---	---	158.25	12.54	145.71	---
MW-5	12/13/2011	1,500	6.41	0.640	0.610	1.76	2.53	<10.0	<0.500	<0.500	<0.500	158.25	13.00	145.25	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
MW-5	05/30/2012	1,000	3.5	0.66	0.82	<1.0	2.0	---	---	---	---	158.25	12.74	145.51	---
MW-5	**02/20/2013**	**1,700**	**3.9**	**0.79**	**0.85**	**1.2**	**2.1**	**<10**	**<0.50**	**<0.50**	**<0.50**	**158.25**	**12.39**	**145.86**	**---**
TBW-N	09/25/2001 b	120,000	3,200	2,800	4,000	18,000	31,000	---	---	---	---	---	12.25	---	---
TBW-N	11/20/2001	72,000	2,200	3,600	2,600	14,000	35,000	---	---	---	---	---	12.13	---	---
TBW-N	12/05/2001	76,000	1,600	3,200	2,900	15,000	30,000	---	---	---	---	---	11.51	---	---
TBW-N	03/01/2002	91,000	1,200	4,200	2,800	14,000	29,000	---	---	---	---	---	11.88	---	---
TBW-N	06/06/2002	100,000	2,100	8,200	3,400	17,000	18,000	---	---	---	---	---	12.48	---	---
TBW-N	07/16/2002	---	---	---	---	---	---	---	---	---	---	---	12.39	---	---
TBW-N	09/06/2002	69,000	870	4,800	2,300	11,000	17,000	---	---	---	---	161.26	12.36	148.90	---
TBW-N	12/12/2002	Well inaccessible		---	---	---	---	---	---	---	---	161.26	---	---	---
TBW-N	12/19/2002	110,000	1,900	13,000	3,100	18,000	19,000	---	---	---	---	161.26	10.82	150.44	---
TBW-N	03/31/2003	62,000	1,600	6,500	2,200	11,000	11,000	---	---	---	---	161.26	10.63	150.63	---
TBW-N	06/30/2003	260,000	7,700	<120	5,800	40,000	8,400	---	---	---	---	161.26	11.51	149.75	---
TBW-N	09/09/2003	---	---	---	---	---	---	---	---	---	---	159.92	11.37	148.64	0.11
TBW-N	12/29/2003	130,000	840	8,200	2,400	18,000	5,400	---	---	---	---	159.92	10.40	149.52	---
TBW-N	03/17/2004	32,000	440	1,500	580	4,500	3,700	---	---	---	---	159.92	10.49	149.44	0.01
TBW-N	05/24/2004	110,000	380	2,600	1,600	11,000	3,100	---	---	---	---	159.92	10.72	149.20	---
TBW-N	09/17/2004	25,000	120	490	570	3,900	490	4,500	<200	<200	<200	159.92	10.80	149.12	---
TBW-N	12/06/2004	15,000	33	11	410	1,500	200	---	---	---	---	159.92	11.00	148.92	---
TBW-N	03/02/2005	7,900	15	<10	120	610	460	---	---	---	---	159.92	10.58	149.34	---
TBW-N	06/10/2005	1,200	<5.0	<5.0	13	25	93	---	---	---	---	159.92	10.68	149.24	---
TBW-N	09/01/2005	3,500 g	<10	<10	86	330	47	1,700	<40	<40	<40	159.92	11.05	148.87	---
TBW-N	11/16/2005	8,830	1.53	1.59	86.6	404	35.0	---	---	---	---	159.92	10.95	148.97	---
TBW-N	03/03/2006	955	<0.500	<0.500	1.25	<0.500	70.4	4,930	---	---	---	159.92	10.31	149.61	---
TBW-N	05/12/2006	706	<0.500	<0.500	5.81	<0.500	14.5	488	---	---	---	159.92	10.73	149.19	---
TBW-N	09/05/2006	1,230	<0.500	<0.500	6.05	2.68	15.3	265	<0.500	<0.500	<0.500	159.92	11.46	148.46	---
TBW-N	12/18/2006	290	0.68	<0.50	<0.50	<1.0	37	3,400	---	---	---	159.92	10.12	149.80	---
TBW-N	03/21/2007	300	<0.50	<0.50	<0.50	<1.0	15	820	---	---	---	159.92	10.67	149.25	---
TBW-N	06/14/2007	530	<0.50	<1.0	<1.0	<1.0	7.7	240	---	---	---	159.92	11.22	148.70	---

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)
TBW-N	08/27/2007	100 f	0.52	<1.0	<1.0	<1.0	18	40	<2.0	<2.0	<2.0	159.92	11.44	148.48	—
TBW-N	11/29/2007	130 f	0.19 e	<1.0	<1.0	<1.0	7.8	490	—	—	—	159.92	10.58	149.34	—
TBW-N	03/21/2008	56	<0.50	<1.0	<1.0	<1.0	9.3	300	—	—	—	159.92	10.50	149.42	—
TBW-N	05/29/2008	<50	<0.50	<1.0	<1.0	<1.0	4.1	140	—	—	—	159.92	10.66	149.26	—
TBW-N	08/29/2008	54	<0.50	<1.0	<1.0	<1.0	4.3	89	<2.0	<2.0	<2.0	159.92	10.88	149.04	—
TBW-N	12/29/2008	93	<0.50	<1.0	<1.0	<1.0	4.4	740	—	—	—	159.92	10.17	149.75	—
TBW-N	03/05/2009	93	<0.50	<1.0	<1.0	<1.0	6.7	1,900	—	—	—	159.92	8.62	151.30	—
TBW-N	05/27/2009	<250	<2.5	<5.0	<5.0	<5.0	<5.0	160	—	—	—	159.92	10.44	149.48	—
TBW-N	12/28/2009	<50	<0.50	<1.0	<1.0	<1.0	2.5	170	<2.0	<2.0	<2.0	159.92	9.85	150.07	—
TBW-N	06/02/2010	<50	<0.50	<1.0	<1.0	<1.0	2.5	91	—	—	—	159.92	9.76	150.16	—
TBW-N	12/28/2010	63	<0.50	<1.0	<1.0	<1.0	2.6	720	<2.0	<2.0	<2.0	159.92	9.06	150.86	—
TBW-N	06/20/2011	<50	<0.50	<0.50	<0.50	<1.0	1.7	17	—	—	—	159.92	10.00	149.92	—
TBW-N	12/13/2011	<50	<0.500	<0.500	<0.500	<0.500	2.20	<10.0	<0.500	<0.500	<0.500	159.92	9.93	149.99	—
TBW-N	05/30/2012	56	1.1	<0.50	<0.50	1.1	23	18	—	—	—	159.92	10.46	149.46	—
TBW-N	**11/13/2012**	**Well Destroyed**		—	—	—	—	—	—	—	—	**159.92**	—	—	—
EW-1	05/05/2006	—	—	—	—	—	—	—	—	—	—	—	15.42	—	—
EW-1	05/12/2006	5,550	52.9	30.2	86.9	249	939	3,900	<0.500	<0.500	<0.500	—	17.33	—	—
EW-1	09/05/2006	2,700	28.3	1.64	11.8	7.98	325	1,900	<0.500	<0.500	<0.500	158.63	12.44	146.19	—
EW-1	12/18/2006	4,900	140	63	170	790	640	—	—	—	—	158.63	11.00	147.63	—
EW-1	03/21/2007	1,000	32	<2.5	14	48	420	—	—	—	—	158.63	14.61	144.02	—
EW-1	06/14/2007	2,100	14	1.1	5.0	9.3	46	—	—	—	—	158.63	21.00	137.63	—
EW-1	08/27/2007	97 f	<0.50	<1.0	<1.0	0.19 e	3.6	32	<2.0	<2.0	<2.0	158.63	12.80	145.83	—
EW-1	11/29/2007	7,600 f	110	36	190	1,390	470	—	—	—	—	158.63	11.87	146.76	—
EW-1	03/21/2008	7,300	160	14	400	630	640	—	—	—	—	158.63	12.10	146.53	—
EW-1	05/29/2008	3,600	93	6.0	190	124	340	—	—	—	—	158.63	12.09	146.54	—
EW-1	08/29/2008	1,100	15	1.5	78	36	48	190	<2.0	<2.0	<2.0	158.63	12.65	145.98	—
EW-1	12/29/2008	3,200	48	4.2	100	240	180	—	—	—	—	158.63	11.45	147.18	—
EW-1	03/05/2009	2,900	58	2.4	130	220	280	—	—	—	—	158.63	8.48	150.15	—
EW-1	05/27/2009	2,300	74	2.1	59	96	160	—	—	—	—	158.63	11.90	146.73	—

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*
EW-1	12/28/2009	2,100	23	<1.0	93	96	94	400	<2.0	<2.0	<2.0	158.63	11.68	146.95	---
EW-1	06/02/2010	1,700	13	<1.0	59	66	51	---	---	---	---	158.63	11.70	146.93	---
EW-1	12/28/2010	2,100	20	<1.0	110	170	45	340	<2.0	<2.0	<2.0	158.63	10.65	147.98	---
EW-1	06/20/2011	890	7.5	<0.50	23	24	31	---	---	---	---	158.63	12.08	146.55	---
EW-1	12/13/2011	850	3.25	<0.500	15.4	9.67	22.4	27.8	<0.500	<0.500	<0.500	158.63	12.62	146.01	---
EW-1	05/30/2012	1,100	4.4	<0.50	13	12	22	---	---	---	---	158.63	12.19	146.44	---
EW-1	**02/20/2013**	**110**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**6.8**	**71**	**<0.50**	**<0.50**	**<0.50**	**158.63**	**11.81**	**146.82**	**---**
EW-2	05/05/2006	---	---	---	---	---	---	---	---	---	---	---	16.83	---	---
EW-2	05/12/2006	11,400	377	135	335	313	401	1,220	<0.500	<0.500	<0.500	---	15.91	---	---
EW-2	09/05/2006	1,810	41.1	4.52	17.2	74.0	87.8	606	<0.500	<0.500	<0.500	157.51	11.21	146.30	---
EW-2	12/18/2006	3,200	75	33	90	470	130	---	---	---	---	157.51	9.93	147.58	---
EW-2	03/21/2007	61	<0.50	<0.50	<0.50	1.5	18	---	---	---	---	157.51	10.55	146.96	---
EW-2	06/14/2007	570	3.8	<1.0	<1.0	<1.0	10	---	---	---	---	157.51	12.82	144.69	---
EW-2	08/27/2007	320 f	2.6	0.36 e	1.4	6.31 e	10	230	<2.0	<2.0	<2.0	157.51	10.34	147.17	---
EW-2	11/29/2007	72 f	0.83	0.53 e	0.49 e	1.41 e	12	---	---	---	---	157.51	10.80	146.71	---
EW-2	03/21/2008	250	3.5	<1.0	2.7	15.3	62	---	---	---	---	157.51	10.80	146.71	---
EW-2	05/29/2008	280	8.7	1.5	7.8	29.3	46	---	---	---	---	157.51	10.86	146.65	---
EW-2	08/29/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	157.51	9.81	147.70	---
EW-2	12/29/2008	760	21	1.4	17	64	37	---	---	---	---	157.51	10.37	147.14	---
EW-2	03/05/2009	260	5.8	<1.0	8.4	30	38	---	---	---	---	157.51	8.35	149.16	---
EW-2	05/27/2009	580	27	2.4	25	79	71	---	---	---	---	157.51	10.83	146.68	---
EW-2	12/28/2009	780	31	1.6	31	67	51	270	<2.0	<2.0	<2.0	157.51	10.55	146.96	---
EW-2	06/02/2010	1,400	45	3.0	110	160	53	---	---	---	---	157.51	10.63	146.88	---
EW-2	12/28/2010	770	29	1.3	58	82	48	310	<2.0	<2.0	<2.0	157.51	9.57	147.94	---
EW-2	06/20/2011	180	12	<0.50	15	8.3	14	---	---	---	---	157.51	10.98	146.53	---
EW-2	12/13/2011	260	17.4	<0.500	16.3	10.8	12.1	63.3	<0.500	<0.500	<0.500	157.51	11.21	146.30	---
EW-2	05/30/2012	200	8.5	<0.50	9.2	2.3	13	---	---	---	---	157.51	11.23	146.28	---
EW-2	**02/20/2013**	**270**	**13**	**<0.50**	**11**	**2.7**	**11**	**180**	**<0.50**	**<0.50**	**<0.50**	**157.51**	**10.70**	**146.81**	**---**

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

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

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015 unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
TOC = Top of casing elevation, in feet relative to mean sea level
GW = Groundwater
SPH = Separate-phase hydrocarbon
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
<x = Not detected at reporting limit x
--- = Not analyzed or available

a = SPHs encountered during purge
b = Sample analyzed once within hold tine, but the analyte concentrations all exceeded the instrument working ranges. The sample was diluted and re-analyzed out of hold time. The diluted analysis is reported because it more accurately reflects the concentrations present.
c = Several results were above the instrument calibration range and should be considered estimated values. Results from the different VOA vials were not consistent; therefore the highest results were reported.
d = Concentration exceeds the calibration range and therefore result is semi-quantitative.
e = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
f = Analyzed by EPA Method 8015B (M).
g = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

When SPHs are present, GW elevation is adjusted using the relation:

TABLE 1

GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
2120 MONTANA STREET, OAKLAND, CALIFORNIA

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

Corrected GW elevation = TOC - Depth to water + (0.8 x SPH thickness)
Site wells surveyed February 12, 2002 and June 26, 2002 by Virgil Chavez Land Surveying
Wells MW-1 and TBW-N surveyed September 23, 2003 by Virgil Chavez Land Surveying
Wells EW-1 and EW-2 surveyed July 7, 2006 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. - FIELD NOTES

WELL GAUGING DATA

Project # 130220-MM1 Date 2-20-2013 Client Shell

Site 2120 Montana 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	1245	2					11.28	27.04		
MW-2	1320	2					12.03	19.88		
MW-3	1225	2					11.74	19.99		
MW-4	1230	4					13.60	19.81		
MW-5	1300	2					12.39	19.39		
TBW-N		UNABLE TO LOCATE								
EW-1	1250	4					11.81	25.84		
EW-2	1238	4					10.70	26.31	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 130220-MM1	Site: 2120 Montana St Oakland, CA
Sampler: MM	Date: 2-20-13
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 27.04	Depth to Water (DTW): 11.28
Depth to Free Product: NO PRODUCT DETECTED	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]: 14.43	

Purge Method: ~~Bailer~~ (b)
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: ~~Bailer~~ (b)
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:_____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1401	64.3	6.84	854	27	2.5	
1405	64.2	6.84	843	25	5.0	
1409	64.4	6.85	832	24	7.5	

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

Sampling Date: 2-20-13 Sampling Time: 1415 Depth to Water: 12.33

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 #: 130220-MM1	Site: 2120 Montana St. Oakland
Sampler: BW	Date: 2/20/13
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 19.88	Depth to Water (DTW): 12.03
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]: 13.60	

Purge Method:
- Bailer
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

1.3 (Gals.) X 3 = 3.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1325	61.9	7.01	837	71000	1.5	
1328	62.0	6.97	828	71000	3.0	
1331	62.2	6.93	825	71000	4.0	DTW 15.03'

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

Sampling Date: 2/20/13 Sampling Time: 1340 Depth to Water: 12.93

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 #: 130220-MM1	Site: 2120 Montana St Oakland, CA
Sampler: MM	Date: 2-20-13
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 19.99	Depth to Water (DTW): 11.74
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]: 13.39	

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

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

1.3 (Gals.) X	3	= 3.9 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1300	68.5	7.19	630.9	512	1.3	
1301	67.3	7.05	642.0	547	2.6	
1303	66.9	7.05	650.1	>1000	3.9	

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Date: 2-20-13 Sampling Time: 1317 Depth to Water: 13.18

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 130220-MM1	Site: 2120 Montana St Oakland, CA
Sampler: MM	Date: 2-20-13
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.81	Depth to Water (DTW): 13.60
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]: 14.84	

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: ___

4 (Gals.) X	3	=	12 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
1327	63.0	7.12	713.7	98	4	
	WELL	DEWATERED AT	6 GAL			
1420	64.3	7.08	724.5	57	GRAB	

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

Sampling Date: 2-20-13 Sampling Time: 1420 Depth to Water: 14.50

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 130220 - MM1	Site: 2120 Montana St. Oakland
Sampler: BW	Date: 2/20/13
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 19.39	Depth to Water (DTW): 12.39
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]: 13.79	

Purge Method:
- Bailer
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ____

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

1.1 (Gals.) X	3	=	3.3 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
1307	62.3	6.85	700	852	1.0	
1309	62.4	6.90	699	71000	2.0	
1311	62.7	6.94	698	71000	3.5	

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

Sampling Date: 2/20/13 Sampling Time: 1315 Depth to Water: 1250

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 130220-MM1	Site: 2120 Montana St., Oakland
Sampler: MM	Date: 2/20/13
Well I.D.: TBW-N	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): —	Depth to Water (DTW):
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]:	

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: ____

____ (Gals.) X ____ = ____ 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
	- WELL POSSIBLY PAVED/CONCRETED OVER					
	- UNABLE TO LOCATE/ACCESS					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Test America Other ____

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

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 #: 130220-MM1	Site: 2120 Montana St Oakland, CA
Sampler: MM	Date: 2-20-13
Well I.D.: EW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 25.84	Depth to Water (DTW): 11.81
Depth to Free Product: NO PRODUCT DETECTED	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]: 14.61	

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

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

9 (Gals.) X	3	=	27 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
1405	67.5	7.17	796.2	69	9	
1407	66.6	7.05	799.8	67	18	
1409	66.8	7.02	807.8	65	27	

Did well dewater? Yes (No) Gallons actually evacuated: 27

Sampling Date: 2-20-13 Sampling Time: 1414 Depth to Water: 13.65

Sample I.D.: EW-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 #: 130220-MM1	Site: 2120 Montana St. Oakland, CA
Sampler:	Date: 2-20-13
Well I.D.: EW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.31	Depth to Water (DTW): 10.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.82	

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

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

10 (Gals.)	X 3	= 30 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
1340	64.6	7.21	743.5	55	10	
1342	65.7	7.08	754.8	139	20	
1344	66.0	7.08	759.7	104	30	

Did well dewater? Yes (No) Gallons actually evacuated: 30

Sampling Date: 2-20-13 Sampling Time: 1347 Depth to Water: 12.25

Sample I.D.: EW-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

INCIDENT # 98995740

DATE: 2-20-13

ADDRESS 2120 Montana 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) 4"	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-2	Standpipe	Flush	G	P	Size (inch) 8	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-3	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-4	Standpipe	Flush	G	P	Size (inch) 12	Y	N	G	R	G	R	NL	G	P		Y	N	
MW-5	Standpipe	Flush	G	P	Size (inch) 8	Y	N	G	R	G	R	NL	G	P		Y	N	
TBW-N	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P	UNABLE TO LOCATE	Y	N	
EW-1	Standpipe	Flush	G	P	Size (inch) 4"	Y	N	G	R	G	R	NL	G	P		Y	N	
EW-2	Standpipe	Flush	G	P	Size (inch) 4"	Y	N	G	R	G	R	NL	G	P	VAULT	Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

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	
	G						Y	N	

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

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

G = Good (Acceptable) R = Replaced

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

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

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

Mark McCulloch — Blaine Tech Services

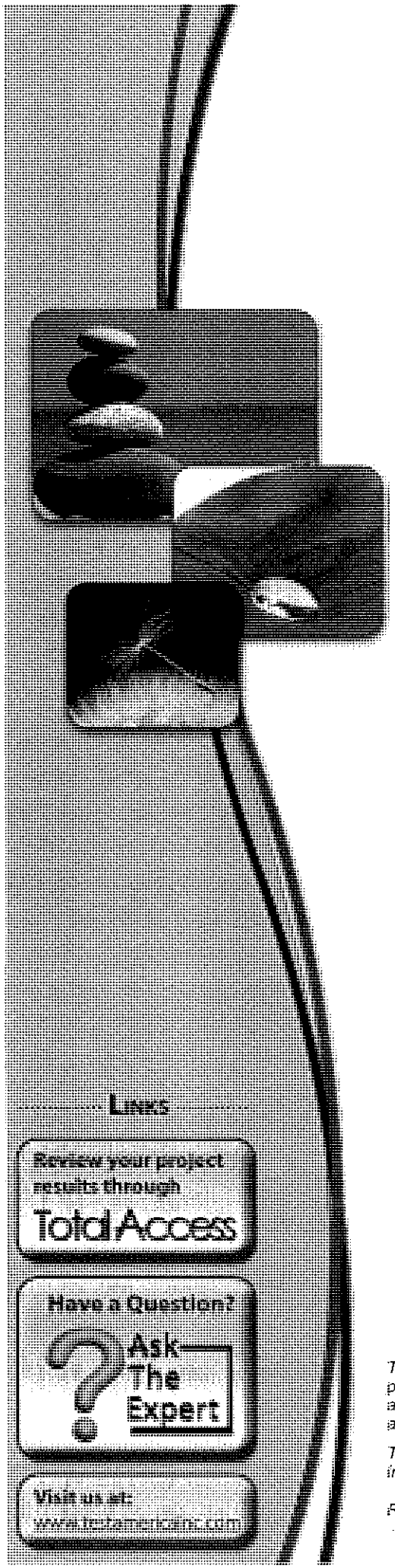
Print or type Name of Field Personnel & Consultant Company

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

Version 2.4, March 2008

APPENDIX B

TESTAMERICA LABORATORIES, INC, - ANALYTICAL REPORT



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 440-39076-1
Client Project/Site: 2120 Montana St., Oakland, CA

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

Attn: Peter Schaefer

Philip Sanelle

Authorized for release by:
3/6/2013 10:58:50 AM

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

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2120 Montana St., Oakland, CA

TestAmerica Job ID: 440-39076-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-39076-1	MW-1	Water	02/20/13 14:15	02/23/13 10:00
440-39076-2	MW-2	Water	02/20/13 13:40	02/23/13 10:00
440-39076-3	MW-3	Water	02/20/13 13:17	02/23/13 10:00
440-39076-4	MW-4	Water	02/20/13 14:20	02/23/13 10:00
440-39076-5	MW-5	Water	02/20/13 13:15	02/23/13 10:00
440-39076-6	EW-1	Water	02/20/13 14:14	02/23/13 10:00
440-39076-7	EW-2	Water	02/20/13 13:47	02/23/13 10:00

Job ID: 440-39076-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-39076-1

Comments
No additional comments.

Receipt
The samples were received on 2/23/2013 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.5° C and 2.2° C.

GC/MS VOA
Method(s) 8260B/CA_LUFTMS: Due to the high concentration of Total Petroleum Hydrocarbon, the matrix spike / matrix spike duplicate (MS/MSD) for batch 88979 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample ID: MW-1

Lab Sample ID: 440-39076-1

Date Collected: 02/20/13 14:15

Matrix: Water

Date Received: 02/23/13 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)	**270**		50		ug/L			03/01/13 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*03/01/13 23:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/01/13 23:30*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/01/13 23:30*	*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			03/01/13 23:30	1
Toluene	ND		0.50		ug/L			03/01/13 23:30	1
Ethylbenzene	ND		0.50		ug/L			03/01/13 23:30	1
Xylenes, Total	ND		1.0		ug/L			03/01/13 23:30	1
Methyl-t-Butyl Ether (MTBE)	**3.7**		0.50		ug/L			03/01/13 23:30	1
tert-Butyl alcohol (TBA)	**200**		10		ug/L			03/01/13 23:30	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			03/01/13 23:30	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			03/01/13 23:30	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			03/01/13 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/01/13 23:30*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*03/01/13 23:30*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/01/13 23:30*	*1*

Client Sample ID: MW-2

Lab Sample ID: 440-39076-2

Date Collected: 02/20/13 13:40

Matrix: Water

Date Received: 02/23/13 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)	**5300**		130		ug/L			03/02/13 10:39	2.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*85*		*80 - 120*		*03/02/13 10:39*	*2.5*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*03/02/13 10:39*	*2.5*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/02/13 10:39*	*2.5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**34**		1.3		ug/L			03/02/13 10:39	2.5
Toluene	**6.7**		1.3		ug/L			03/02/13 10:39	2.5
Ethylbenzene	**16**		1.3		ug/L			03/02/13 10:39	2.5
Xylenes, Total	**28**		2.5		ug/L			03/02/13 10:39	2.5
Methyl-t-Butyl Ether (MTBE)	**22**		1.3		ug/L			03/02/13 10:39	2.5
tert-Butyl alcohol (TBA)	**380**		25		ug/L			03/02/13 10:39	2.5
Isopropyl Ether (DIPE)	ND		1.3		ug/L			03/02/13 10:39	2.5
Ethyl-t-butyl ether (ETBE)	ND		1.3		ug/L			03/02/13 10:39	2.5
Tert-amyl-methyl ether (TAME)	ND		1.3		ug/L			03/02/13 10:39	2.5

Client Sample ID: MW-2

Lab Sample ID: 440-39076-2

Date Collected: 02/20/13 13:40
Matrix: Water
Date Received: 02/23/13 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*03/02/13 10:39*	*2.5*
Dibromofluoromethane (Surr)	*85*		*80 - 120*		*03/02/13 10:39*	*2.5*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/02/13 10:39*	*2.5*

Client Sample ID: MW-3

Lab Sample ID: 440-39076-3

Date Collected: 02/20/13 13:17
Matrix: Water
Date Received: 02/23/13 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			03/02/13 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*03/02/13 00:27*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/02/13 00:27*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/02/13 00:27*	*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			03/02/13 00:27	1
Toluene	ND		0.50		ug/L			03/02/13 00:27	1
Ethylbenzene	ND		0.50		ug/L			03/02/13 00:27	1
Xylenes, Total	ND		1.0		ug/L			03/02/13 00:27	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			03/02/13 00:27	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			03/02/13 00:27	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			03/02/13 00:27	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			03/02/13 00:27	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			03/02/13 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/02/13 00:27*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*03/02/13 00:27*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/02/13 00:27*	*1*

Client Sample ID: MW-4

Lab Sample ID: 440-39076-4

Date Collected: 02/20/13 14:20
Matrix: Water
Date Received: 02/23/13 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)	**86**		50		ug/L			03/01/13 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*03/01/13 22:04*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/01/13 22:04*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/01/13 22:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			03/01/13 22:04	1
Toluene	ND		0.50		ug/L			03/01/13 22:04	1

Client Sample ID: MW-4

Lab Sample ID: 440-39076-4

Date Collected: 02/20/13 14:20
Matrix: Water
Date Received: 02/23/13 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50		ug/L			03/01/13 22:04	1
Xylenes, Total	ND		1.0		ug/L			03/01/13 22:04	1
Methyl-t-Butyl Ether (MTBE)	**1.3**		0.50		ug/L			03/01/13 22:04	1
tert-Butyl alcohol (TBA)	**590**		10		ug/L			03/01/13 22:04	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			03/01/13 22:04	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			03/01/13 22:04	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			03/01/13 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/01/13 22:04*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*03/01/13 22:04*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/01/13 22:04*	*1*

Client Sample ID: MW-5

Lab Sample ID: 440-39076-5

Date Collected: 02/20/13 13:15
Matrix: Water
Date Received: 02/23/13 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)	**1700**		50		ug/L			03/02/13 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*03/02/13 00:56*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/02/13 00:56*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/02/13 00:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.9**		0.50		ug/L			03/02/13 00:56	1
Toluene	**0.79**		0.50		ug/L			03/02/13 00:56	1
Ethylbenzene	**0.85**		0.50		ug/L			03/02/13 00:56	1
Xylenes, Total	**1.2**		1.0		ug/L			03/02/13 00:56	1
Methyl-t-Butyl Ether (MTBE)	**2.1**		0.50		ug/L			03/02/13 00:56	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			03/02/13 00:56	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			03/02/13 00:56	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			03/02/13 00:56	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			03/02/13 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/02/13 00:56*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*03/02/13 00:56*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/02/13 00:56*	*1*

Client Sample ID: EW-1

Lab Sample ID: 440-39076-6

Date Collected: 02/20/13 14:14
Matrix: Water
Date Received: 02/23/13 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**110**		50		ug/L			03/02/13 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*03/02/13 01:25*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/02/13 01:25*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/02/13 01:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			03/02/13 01:25	1
Toluene	ND		0.50		ug/L			03/02/13 01:25	1
Ethylbenzene	ND		0.50		ug/L			03/02/13 01:25	1
Xylenes, Total	ND		1.0		ug/L			03/02/13 01:25	1
Methyl-t-Butyl Ether (MTBE)	**6.8**		0.50		ug/L			03/02/13 01:25	1
tert-Butyl alcohol (TBA)	**71**		10		ug/L			03/02/13 01:25	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			03/02/13 01:25	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			03/02/13 01:25	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			03/02/13 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/02/13 01:25*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*03/02/13 01:25*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/02/13 01:25*	*1*

Client Sample ID: EW-2

Lab Sample ID: 440-39076-7

Date Collected: 02/20/13 13:47
Matrix: Water
Date Received: 02/23/13 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)	**270**		50		ug/L			03/02/13 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*03/02/13 01:54*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/02/13 01:54*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/02/13 01:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13**		0.50		ug/L			03/02/13 01:54	1
Toluene	ND		0.50		ug/L			03/02/13 01:54	1
Ethylbenzene	**11**		0.50		ug/L			03/02/13 01:54	1
Xylenes, Total	**2.7**		1.0		ug/L			03/02/13 01:54	1
Methyl-t-Butyl Ether (MTBE)	**11**		0.50		ug/L			03/02/13 01:54	1
tert-Butyl alcohol (TBA)	**180**		10		ug/L			03/02/13 01:54	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			03/02/13 01:54	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			03/02/13 01:54	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			03/02/13 01:54	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2120 Montana St., Oakland, CA

TestAmerica Job ID: 440-39076-1

Client Sample ID: EW-2
Date Collected: 02/20/13 13:47
Date Received: 02/23/13 10:00

Lab Sample ID: 440-39076-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		03/02/13 01:54	1
Dibromofluoromethane (Surr)	92		80 - 120		03/02/13 01:54	1
Toluene-d8 (Surr)	104		80 - 120		03/02/13 01:54	1

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2120 Montana St., Oakland, CA

TestAmerica Job ID: 440-39076-1

Client Sample ID: MW-1

Lab Sample ID: 440-39076-1

Date Collected: 02/20/13 14:15

Matrix: Water

Date Received: 02/23/13 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	88907	03/01/13 23:30	MF	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	88908	03/01/13 23:30	MF	TAL IRV

Client Sample ID: MW-2

Lab Sample ID: 440-39076-2

Date Collected: 02/20/13 13:40

Matrix: Water

Date Received: 02/23/13 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		2.5	10 mL	10 mL	88978	03/02/13 10:39	AT	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		2.5	10 mL	10 mL	88979	03/02/13 10:39	RM	TAL IRV

Client Sample ID: MW-3

Lab Sample ID: 440-39076-3

Date Collected: 02/20/13 13:17

Matrix: Water

Date Received: 02/23/13 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	88907	03/02/13 00:27	MF	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	88908	03/02/13 00:27	MF	TAL IRV

Client Sample ID: MW-4

Lab Sample ID: 440-39076-4

Date Collected: 02/20/13 14:20

Matrix: Water

Date Received: 02/23/13 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	88907	03/01/13 22:04	MF	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	88908	03/01/13 22:04	MF	TAL IRV

Client Sample ID: MW-5

Lab Sample ID: 440-39076-5

Date Collected: 02/20/13 13:15

Matrix: Water

Date Received: 02/23/13 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	88907	03/02/13 00:56	MF	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	88908	03/02/13 00:56	MF	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2120 Montana St., Oakland, CA

TestAmerica Job ID: 440-39076-1

Client Sample ID: EW-1

Lab Sample ID: 440-39076-6

Date Collected: 02/20/13 14:14

Matrix: Water

Date Received: 02/23/13 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	88907	03/02/13 01:25	MF	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	88908	03/02/13 01:25	MF	TAL IRV

Client Sample ID: EW-2

Lab Sample ID: 440-39076-7

Date Collected: 02/20/13 13:47

Matrix: Water

Date Received: 02/23/13 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	88907	03/02/13 01:54	MF	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	88908	03/02/13 01:54	MF	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 440-88907/4
Matrix: Water
Analysis Batch: 88907

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			03/01/13 20:37	1
Toluene	ND		0.50		ug/L			03/01/13 20:37	1
Ethylbenzene	ND		0.50		ug/L			03/01/13 20:37	1
Xylenes, Total	ND		1.0		ug/L			03/01/13 20:37	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			03/01/13 20:37	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			03/01/13 20:37	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			03/01/13 20:37	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			03/01/13 20:37	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			03/01/13 20:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/01/13 20:37*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*03/01/13 20:37*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/01/13 20:37*	*1*

Lab Sample ID: LCS 440-88907/5
Matrix: Water
Analysis Batch: 88907

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	21.8		ug/L		87	70 - 120
Toluene	25.0	24.7		ug/L		99	70 - 120
Ethylbenzene	25.0	25.2		ug/L		101	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	23.2		ug/L		93	60 - 135
tert-Butyl alcohol (TBA)	125	130		ug/L		104	70 - 135
Isopropyl Ether (DIPE)	25.0	28.0		ug/L		112	60 - 135
Ethyl-t-butyl ether (ETBE)	25.0	24.8		ug/L		99	65 - 135
Tert-amyl-methyl ether (TAME)	25.0	23.7		ug/L		95	60 - 135
m,p-Xylene	50.0	53.6		ug/L		107	75 - 125
o-Xylene	25.0	27.1		ug/L		109	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 440-39076-4 MS
Matrix: Water
Analysis Batch: 88907

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	22.6		ug/L		90	65 - 125
Toluene	ND		25.0	25.5		ug/L		102	70 - 125
Ethylbenzene	ND		25.0	26.4		ug/L		105	65 - 130
Methyl-t-Butyl Ether (MTBE)	1.3		25.0	25.2		ug/L		95	55 - 145
tert-Butyl alcohol (TBA)	590		125	720	4	ug/L		105	65 - 140
Isopropyl Ether (DIPE)	ND		25.0	28.5		ug/L		114	60 - 140

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

Lab Sample ID: 440-39076-4 MS
Matrix: Water
Analysis Batch: 88907

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethyl-t-butyl ether (ETBE)	ND		25.0	25.2		ug/L		101	60 - 135
Tert-amyl-methyl ether (TAME)	ND		25.0	24.3		ug/L		97	60 - 140
m,p-Xylene	ND		50.0	55.1		ug/L		110	65 - 130
o-Xylene	ND		25.0	27.9		ug/L		112	65 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 440-39076-4 MSD
Matrix: Water
Analysis Batch: 88907

Client Sample ID: MW-4
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	22.2		ug/L		89	65 - 125	2	20
Toluene	ND		25.0	25.3		ug/L		101	70 - 125	1	20
Ethylbenzene	ND		25.0	25.7		ug/L		103	65 - 130	3	20
Methyl-t-Butyl Ether (MTBE)	1.3		25.0	24.9		ug/L		94	55 - 145	1	25
tert-Butyl alcohol (TBA)	590		125	722	4	ug/L		107	65 - 140	0	25
Isopropyl Ether (DIPE)	ND		25.0	27.3		ug/L		109	60 - 140	4	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	24.5		ug/L		98	60 - 135	3	25
Tert-amyl-methyl ether (TAME)	ND		25.0	23.7		ug/L		95	60 - 140	2	30
m,p-Xylene	ND		50.0	54.8		ug/L		110	65 - 130	1	25
o-Xylene	ND		25.0	27.1		ug/L		108	65 - 125	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: MB 440-88978/4
Matrix: Water
Analysis Batch: 88978

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			03/02/13 09:08	1
Toluene	ND		0.50		ug/L			03/02/13 09:08	1
Ethylbenzene	ND		0.50		ug/L			03/02/13 09:08	1
Xylenes, Total	ND		1.0		ug/L			03/02/13 09:08	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			03/02/13 09:08	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			03/02/13 09:08	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			03/02/13 09:08	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			03/02/13 09:08	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			03/02/13 09:08	1

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

Lab Sample ID: MB 440-88978/4
Matrix: Water
Analysis Batch: 88978

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		80 - 120		03/02/13 09:08	1
Dibromofluoromethane (Surr)	100		80 - 120		03/02/13 09:08	1
Toluene-d8 (Surr)	102		80 - 120		03/02/13 09:08	1

Lab Sample ID: LCS 440-88978/5
Matrix: Water
Analysis Batch: 88978

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	20.9		ug/L		83	70 - 120
Toluene	25.0	25.0		ug/L		100	70 - 120
Ethylbenzene	25.0	24.0		ug/L		96	75 - 125
Methyl-t-Butyl Ether (MTBE)	25.0	25.4		ug/L		101	60 - 135
tert-Butyl alcohol (TBA)	125	131		ug/L		105	70 - 135
Isopropyl Ether (DIPE)	25.0	28.3		ug/L		113	60 - 135
Ethyl-t-butyl ether (ETBE)	25.0	25.5		ug/L		102	65 - 135
Tert-amyl-methyl ether (TAME)	25.0	25.3		ug/L		101	60 - 135
m,p-Xylene	50.0	49.7		ug/L		99	75 - 125
o-Xylene	25.0	25.9		ug/L		104	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	108		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 440-39076-2 MS
Matrix: Water
Analysis Batch: 88978

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	34		62.5	83.0		ug/L		79	65 - 125
Toluene	6.7		62.5	65.0		ug/L		93	70 - 125
Ethylbenzene	16		62.5	72.6		ug/L		91	65 - 130
Methyl-t-Butyl Ether (MTBE)	22		62.5	72.8		ug/L		81	55 - 145
tert-Butyl alcohol (TBA)	380		313	713		ug/L		107	65 - 140
Isopropyl Ether (DIPE)	ND		62.5	58.4		ug/L		93	60 - 140
Ethyl-t-butyl ether (ETBE)	ND		62.5	50.7		ug/L		81	60 - 135
Tert-amyl-methyl ether (TAME)	ND		62.5	52.8		ug/L		85	60 - 140
m,p-Xylene	20		125	137		ug/L		94	65 - 130
o-Xylene	7.6		62.5	68.5		ug/L		97	65 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
Toluene-d8 (Surr)	102		80 - 120

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

Lab Sample ID: 440-39076-2 MSD
Matrix: Water
Analysis Batch: 88978

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	34		62.5	90.5		ug/L		91	65 - 125	9	20
Toluene	6.7		62.5	69.0		ug/L		100	70 - 125	6	20
Ethylbenzene	16		62.5	76.1		ug/L		97	65 - 130	5	20
Methyl-t-Butyl Ether (MTBE)	22		62.5	76.3		ug/L		86	55 - 145	5	25
tert-Butyl alcohol (TBA)	380		313	705		ug/L		104	65 - 140	1	25
Isopropyl Ether (DIPE)	ND		62.5	62.8		ug/L		100	60 - 140	7	25
Ethyl-t-butyl ether (ETBE)	ND		62.5	53.4		ug/L		85	60 - 135	5	25
Tert-amyl-methyl ether (TAME)	ND		62.5	56.0		ug/L		90	60 - 140	6	30
m,p-Xylene	20		125	144		ug/L		100	65 - 130	5	25
o-Xylene	7.6		62.5	71.0		ug/L		101	65 - 125	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

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

Lab Sample ID: MB 440-88908/4
Matrix: Water
Analysis Batch: 88908

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			03/01/13 20:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*03/01/13 20:37*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/01/13 20:37*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/01/13 20:37*	*1*

Lab Sample ID: LCS 440-88908/6
Matrix: Water
Analysis Batch: 88908

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	558		ug/L		112	55 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

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

Lab Sample ID: 440-39076-4 MS
Matrix: Water
Analysis Batch: 88908

Client Sample ID: MW-4
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)	86		1730	1600		ug/L		88	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 440-39076-4 MSD
Matrix: Water
Analysis Batch: 88908

Client Sample ID: MW-4
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)	86		1730	1550		ug/L		85	50 - 145	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: MB 440-88979/4
Matrix: Water
Analysis Batch: 88979

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			03/02/13 09:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/02/13 09:08*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*03/02/13 09:08*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/02/13 09:08*	*1*

Lab Sample ID: LCS 440-88979/6
Matrix: Water
Analysis Batch: 88979

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	516		ug/L		103	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

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

Lab Sample ID: 440-39076-2 MS
Matrix: Water
Analysis Batch: 88979

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)	5300		4310	6700	F	ug/L		33	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 440-39076-2 MSD
Matrix: Water
Analysis Batch: 88979

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)	5300		4310	7160	F	ug/L		44	50 - 145	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

GC/MS VOA

Analysis Batch: 88907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-39076-1	MW-1	Total/NA	Water	8260B	
440-39076-3	MW-3	Total/NA	Water	8260B	
440-39076-4	MW-4	Total/NA	Water	8260B	
440-39076-4 MS	MW-4	Total/NA	Water	8260B	
440-39076-4 MSD	MW-4	Total/NA	Water	8260B	
440-39076-5	MW-5	Total/NA	Water	8260B	
440-39076-6	EW-1	Total/NA	Water	8260B	
440-39076-7	EW-2	Total/NA	Water	8260B	
LCS 440-88907/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-88907/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 88908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-39076-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-3	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-4 MS	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-4 MSD	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-5	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-6	EW-1	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-7	EW-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-88908/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-88908/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 88978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-39076-2	MW-2	Total/NA	Water	8260B	
440-39076-2 MS	MW-2	Total/NA	Water	8260B	
440-39076-2 MSD	MW-2	Total/NA	Water	8260B	
LCS 440-88978/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-88978/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 88979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-39076-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-2 MS	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
440-39076-2 MSD	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-88979/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-88979/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2120 Montana St., Oakland, CA

TestAmerica Job ID: 440-39076-1

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-13
Arizona	State Program	9	AZ0671	10-13-13
California	LA Cty Sanitation Districts	9	10256	01-31-14
California	NELAP	9	1108CA	01-31-14
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	02-28-13
Nevada	State Program	9	CA015312007A	07-31-13
Oregon	NELAP	10	4005	09-12-13
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: 240733 Peter Schaefer

INCIDENT # (ENV SERVICES): 8 8 9 9 5 7 4 0

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2-20-13

PAGE: 1 of 1

PO #

SAP #: 1 3 5 6 7 5

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 2120 Montana St., Oakland

State: CA

GLOBAL ID NO.: T0600101805

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

PHONE NO.: 510-420-3343

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

CONSULTANT PROJECT NO.: 240733-95-12.01

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

SAMPLER NAME(S) (Print): Mark McCulloch, Brian Weeks

LAB USE ONLY: 440-39076

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

REQUESTED ANALYSIS

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

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

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

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

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

TEMPERATURE ON RECEIPT, °C

SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B) MM1	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compounds: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
WG	130220-MM1	022013	BW	MW-1	1415	WG	X					3	X				X	X							
"	"	022013	BW	MW-2	1340	WG	X					3	X				X	X							
"	"	022013	MM	MW-3	1317	WG	X					3	X					X							
"	"	022013	MM	MW-4	1420	WG	X					3	X					X							
"	"	022013	BW	MW-5	1315	WG	X					3	X					X							
"	"	022013	MM	EW-1	1414	WG	X					3	X					X							
"	"	022013	MM	EW-2	1347	WG	X					3	X					X							

Relinquished by: (Signature)		Received by: (Signature)		Date	Time
Mark McCulloch	Sample Custodian	Mark McCulloch	Sample Custodian	2-20-13	1600
BTS	1620		4.7°C	2/22/13	1620
	1815			2.22.13	1815

02/22/13 10:00

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3/6/2013

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-39076-1

Login Number: 39076
List Number: 1
Creator: Escalante, Maria

List Source: TestAmerica Irvine

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