



**CONESTOGA-ROVERS
& ASSOCIATES**

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TRANSMITTAL

DATE: February 10, 2014

REFERENCE NO.: 240781

PROJECT NAME: 2703 Martin Luther King Jr. Way,
Oakland

TO: Jerry Wickham

Alameda County Environmental Health

1131 Harbor Bay Parkway, Suite 250

Alameda, California 94502-6577

RECEIVED

By Alameda County Environmental Health at 3:38 pm, Feb 14, 2014

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 Overnight Courier Other GeoTracker and Alameda County FTP

QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report - Fourth Quarter 2013

As Requested For Review and Comment
 For Your Use

COMMENTS:

If you have any questions regarding the contents of this document, please call the CRA project manager Peter Schaefer at (510) 420-3319 or the Shell program manager Perry Pineda at (425) 413-1164.

Copy to: Perry Pineda, Shell Oil Products US (electronic copy)
Rodney & Janet Kwan (property owners), Auto Tech West, 2703 Martin Luther King Jr.
Way, Oakland, CA 94612-1117
Scott Merillat, 664 27th Street, Oakland, CA 94612
Monique Oatis, 670 27th Street, Oakland, CA 94612
Jack Chang, 559 9th Avenue, San Francisco, CA 94118-3716

Completed by: Peter Schaefer Signed:

Filing: Correspondence File



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

Shell Oil Products US
Soil and Groundwater Focus Delivery Group
20945 S. Wilmington Avenue
Carson, CA 90810
Tel (425) 413 1164
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Email perry.pineda@shell.com
Internet <http://www.shell.com>

Re: 2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449
Incident No. 97093397
ACEH Case No. RO0000145

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.

As always, please feel free to contact me directly at (425) 413-1164 with any questions or concerns.

Sincerely,
Shell Oil Products US

A handwritten signature in black ink, appearing to read "Perry Pineda", is located below the typed name.

Perry Pineda
Senior Environmental Program Manager



GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2013

**FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY
OAKLAND, CALIFORNIA**

**SAP CODE 129449
INCIDENT NO. 97093397
AGENCY NO. RO0000145**

**FEBRUARY 10, 2014
REF. NO. 240781 (30)**

This report is printed on recycled paper.

**Prepared by:
Conestoga-Rovers
& Associates**

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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	2703 Martin Luther King Jr. Way, Oakland
Site Use	Auto repair shop
Shell Project Manager	Perry Pineda
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000145
Shell SAP Code	129449
Shell Incident No.	97093397

Date of most recent agency correspondence was December 30, 2013.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the modified monitoring program for this site.

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

On December 24, 2013, CRA submitted a *Revised Subsurface Investigation Work Plan* proposing revised locations for off-site groundwater monitoring wells and soil vapor probes. Alameda County Environmental Health's (ACEH's) December 30, 2013 electronic correspondence approved the revised work plan.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Westerly to southerly
Hydraulic Gradient	Variable
Depth to Water	9.11 to 11.83 feet below top of well casing

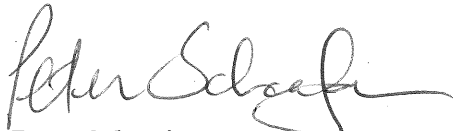
2.3 PROPOSED ACTIVITIES

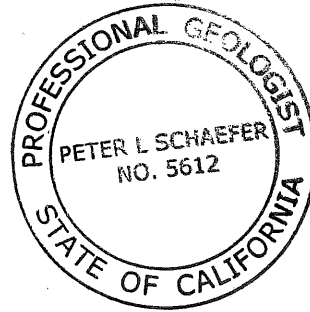
Blaine will gauge and sample wells according to the established monitoring program for this site. This site is monitored semiannually during the second and fourth quarters, and CRA will issue groundwater monitoring reports semiannually following the sampling events.

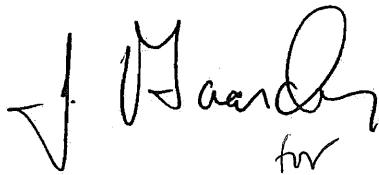
CRA will complete the off-site groundwater monitoring well and on- and off-site soil vapor probe installations proposed in our December 24, 2013 revised work plan following receipt of access agreements from the off-site properties and a drilling permit from Alameda County Public Works Agency. We sent access requests for the off-site properties to the property owners on December 30, 2013. To date we have not received any completed access agreements.

Based on ACEH's October 30, 2013 letter stating that lead and polycyclic aromatic hydrocarbons detected on adjacent properties are likely not related to the former service stations operations, CRA will not implement the off-site shallow soil excavation proposed in CRA's March 4, 2011 *Subsurface Investigation Report and Revised Remedial Action Plan*.

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

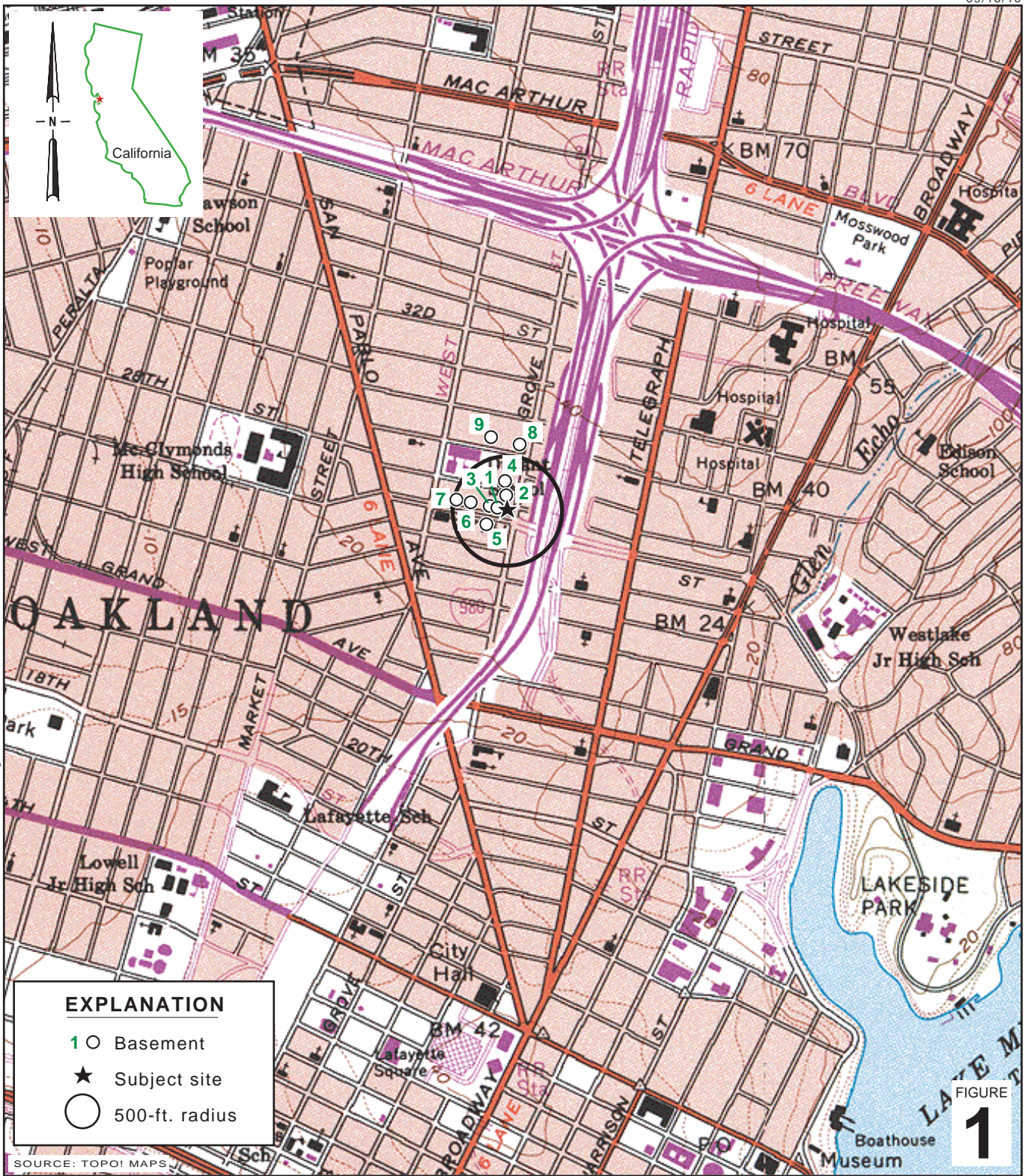

Peter Schaefer, CHG, CEG




for

Aubrey K. Cool, PG

FIGURES



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FIGURE 1

Former Shell Service Station
 2703 Martin Luther King Jr. Way
 Oakland, California



**CONESTOGA-ROVERS
 & ASSOCIATES**

Vicinity Map



Figure 2
 Groundwater Contour and
 Chemical Concentration Map
 November 18, 2013
 Former Shell Service Station
 2703 Martin Luther King Jr. Way
 Oakland, California

TABLE

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
MW-1	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	8.76	14.77	---
MW-1 (D)	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	---	---	---
MW-1	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	9.88	13.65	---
MW-1	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	6.82	16.71	---
MW-1	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	7.89	15.64	---
MW-1	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	8.71	14.82	---
MW-1	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	9.26	14.27	---
MW-1	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	7.94	15.59	---
MW-1	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	7.21	16.32	---
MW-1	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	7.78	15.75	---
MW-1	10/01/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	8.39	15.14	---
MW-1	01/18/1999	<50.0	<0.500	0.785	<0.500	<0.500	2.36	---	---	---	---	---	23.53	8.28	15.25	---
MW-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.53	8.41	15.12	---
MW-1	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	23.53	8.17	15.36	---
MW-1	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	23.53	9.37	14.16	---
MW-1	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	23.53	7.52	16.01	---
MW-1	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	23.53	7.66	15.87	---
MW-1	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	23.53	7.81	15.72	---
MW-1	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	23.53	8.33	15.20	---
MW-1	01/04/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	23.53	8.33	15.20	---
MW-1	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	23.53	7.83	15.70	---
MW-1	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	23.53	8.60	14.93	---
MW-1	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	23.53	9.01	14.52	0.2
MW-1	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	23.53	7.68	15.85	2.1
MW-1	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	23.53	7.38	16.15	1.1
MW-1	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	23.53	7.75	15.78	2.2
MW-1	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	29.53	8.10	21.43	1.6
MW-1	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	29.53	7.82	21.71	0.6
MW-1	04/17/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	29.53	7.76	21.77	1.7

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE	MTBE	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
MW-1	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	29.53	7.87	21.66	1.5
MW-1	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	29.53	8.67	20.86	0.8
MW-1	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	29.53	8.28	21.25	---
MW-1	01/22/2004	---	---	---	---	---	---	---	---	---	---	---	29.53	8.50	21.03	1.1
MW-1	04/01/2004	---	---	---	---	---	---	---	---	---	---	---	29.53	7.98	21.55	---
MW-1	07/13/2004	---	---	---	---	---	---	---	---	---	---	---	29.53	8.30	21.23	---
MW-1	10/26/2004	---	---	---	---	---	---	---	---	---	---	---	29.53	8.27	21.26	---
MW-1	01/13/2005	---	---	---	---	---	---	---	---	---	---	---	29.53	6.92	22.61	---
MW-1	04/28/2005	---	---	---	---	---	---	---	---	---	---	---	29.53	7.18	22.35	---
MW-1	08/01/2005	---	---	---	---	---	---	---	---	---	---	---	29.53	7.43	22.10	---
MW-1	10/05/2005	---	---	---	---	---	---	---	---	---	---	---	29.53	7.55	21.98	---
MW-1	01/11/2006	---	---	---	---	---	---	---	---	---	---	---	29.54	5.35	24.19	---
MW-1	05/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	<0.500	<0.500	<0.500	29.54	6.81	22.73	0.78
MW-1	08/30/2006	---	---	---	---	---	---	---	---	---	---	---	29.54	7.77	21.77	---
MW-1	11/08/2006	---	---	---	---	---	---	---	---	---	---	---	29.54	8.39	21.15	---
MW-1	02/22/2007	---	---	---	---	---	---	---	---	---	---	---	29.54	7.11	22.43	---
MW-1	05/29/2007	---	---	---	---	---	---	---	---	---	---	---	29.54	7.20	22.34	---
MW-1	08/27/2007	---	---	---	---	---	---	---	---	---	---	---	29.54	7.86	21.68	---
MW-1	11/08/2007	---	---	---	---	---	---	---	---	---	---	---	29.54	7.89	21.65	---
MW-1	02/20/2008	---	---	---	---	---	---	---	---	---	---	---	29.54	7.38	22.16	---
MW-1	05/01/2008	---	---	---	---	---	---	---	---	---	---	---	29.54	7.58	21.96	---
MW-1	08/12/2008	---	---	---	---	---	---	---	---	---	---	---	29.54	8.85	20.69	---
MW-1	11/26/2008	---	---	---	---	---	---	---	---	---	---	---	29.54	8.90	20.64	---
MW-1	02/03/2009	---	---	---	---	---	---	---	---	---	---	---	29.54	8.51	21.03	---
MW-1	06/02/2009	---	---	---	---	---	---	---	---	---	---	---	29.54	8.45	21.09	---
MW-1	11/10/2009	---	---	---	---	---	---	---	---	---	---	---	29.54	8.89	20.65	---
MW-1	05/10/2010	---	---	---	---	---	---	---	---	---	---	---	29.54	7.22	22.32	---
MW-1	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	29.54	7.88	21.66	---
MW-1	12/03/2010	---	---	---	---	---	---	---	---	---	---	---	29.54	7.98	21.56	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE	MTBE	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
MW-1	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	29.54	7.52	22.02	---
MW-1	05/31/2011	---	---	---	---	---	---	---	---	---	---	---	29.54	7.28	22.26	---
MW-1	12/13/2011	---	---	---	---	---	---	---	---	---	---	---	29.54	7.64	21.90	---
MW-1	06/13/2012	---	---	---	---	---	---	---	---	---	---	---	29.54	7.56	21.98	---
MW-1	11/19/2012	---	---	---	---	---	---	---	---	---	---	---	29.54	8.48	21.06	---
MW-1	05/30/2013	---	---	---	---	---	---	---	---	---	---	---	29.54	7.32	22.22	---
MW-1	11/18/2013	---	---	---	---	---	---	---	---	---	---	---	29.54	9.11	20.43	---
MW-2	08/05/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	8.35	14.12	---
MW-2	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	9.32	13.15	---
MW-2 (D)	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	---	---	---
MW-2	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	6.80	15.67	---
MW-2 (D)	01/08/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	---	---	---
MW-2	04/07/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	7.81	14.66	---
MW-2	07/02/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	8.27	14.20	---
MW-2	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	9.12	13.35	---
MW-2	01/09/1998	<50	<0.50	<0.50	<0.50	<0.50	6.3	---	---	---	---	---	22.47	7.41	15.06	---
MW-2	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	6.59	15.88	---
MW-2	07/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	7.49	14.98	---
MW-2	10/01/1998	<50	<0.50	<0.50	<0.50	0.59	<2.5	---	---	---	---	---	22.47	8.58	13.89	---
MW-2	01/18/1999	<50.0	<0.500	0.971	<0.500	<0.500	2.47	---	---	---	---	---	22.47	8.68	13.79	---
MW-2	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	22.47	8.62	13.85	---
MW-2	08/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	22.47	7.43	15.04	---
MW-2	10/06/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	---	---	---	---	22.47	9.00	13.47	---
MW-2	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	22.47	8.15	14.32	---
MW-2	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	22.47	7.04	15.43	---
MW-2	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	22.47	7.13	15.34	---
MW-2	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	22.47	8.78	13.69	---
MW-2	01/04/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	22.47	8.33	14.14	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-2	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.47	7.24	15.23	---
MW-2	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.47	8.55	13.92	---
MW-2	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.47	9.42	13.05	---
MW-2	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.47	7.23	15.24	---
MW-2	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.47	6.90	15.57	---
MW-2	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.47	7.97	14.50	---
MW-2	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	28.47	8.62	19.85	---
MW-2	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	28.47	7.08	21.39	---
MW-2	04/17/2003	<50	<0.50	<0.50	0.98	2.5	---	<5.0	---	---	---	---	28.47	6.94	21.53	---
MW-2	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	28.47	8.10	20.37	---
MW-2	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	28.47	9.09	19.38	---
MW-2	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	28.47	7.28	21.19	---
MW-2	01/22/2004	---	---	---	---	---	---	---	---	---	---	---	28.47	8.99	19.48	2.8
MW-2	04/01/2004	---	---	---	---	---	---	---	---	---	---	---	28.47	6.88	21.59	---
MW-2	07/13/2004	---	---	---	---	---	---	---	---	---	---	---	28.47	8.28	20.19	---
MW-2	10/26/2004	---	---	---	---	---	---	---	---	---	---	---	28.47	8.43	20.04	---
MW-2	01/13/2005	---	---	---	---	---	---	---	---	---	---	---	28.47	6.52	21.95	---
MW-2	04/28/2005	---	---	---	---	---	---	---	---	---	---	---	28.47	6.38	22.09	---
MW-2	08/01/2005	---	---	---	---	---	---	---	---	---	---	---	28.47	7.73	20.74	---
MW-2	10/05/2005	---	---	---	---	---	---	---	---	---	---	---	28.47	8.47	20.00	---
MW-2	01/11/2006	---	---	---	---	---	---	---	---	---	---	---	28.48	6.30	22.18	---
MW-2	05/26/2006	59.9	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	<0.500	<0.500	<0.500	28.48	6.84	21.64	3.02
MW-2	08/30/2006	---	---	---	---	---	---	---	---	---	---	---	28.48	8.11	20.37	---
MW-2	11/08/2006	---	---	---	---	---	---	---	---	---	---	---	28.48	8.61	19.87	---
MW-2	02/22/2007	---	---	---	---	---	---	---	---	---	---	---	28.48	6.92	21.56	---
MW-2	05/29/2007	---	---	---	---	---	---	---	---	---	---	---	28.48	7.32	21.16	---
MW-2	08/27/2007	---	---	---	---	---	---	---	---	---	---	---	28.48	8.38	20.10	---
MW-2	11/08/2007	---	---	---	---	---	---	---	---	---	---	---	28.48	8.58	19.90	---
MW-2	02/20/2008	---	---	---	---	---	---	---	---	---	---	---	28.48	6.48	22.00	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-2	05/01/2008	---	---	---	---	---	---	---	---	---	---	---	28.48	19.00	9.48	---
MW-2	08/12/2008	---	---	---	---	---	---	---	---	---	---	---	28.48	8.53	19.95	---
MW-2	11/26/2008	---	---	---	---	---	---	---	---	---	---	---	28.48	8.88	19.60	---
MW-2	02/03/2009	---	---	---	---	---	---	---	---	---	---	---	28.48	8.20	20.28	---
MW-2	06/02/2009	---	---	---	---	---	---	---	---	---	---	---	28.48	7.50	20.98	---
MW-2	11/10/2009	---	---	---	---	---	---	---	---	---	---	---	28.48	8.69	19.79	---
MW-2	05/10/2010	---	---	---	---	---	---	---	---	---	---	---	28.48	7.09	21.39	---
MW-2	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	28.48	8.70	19.78	---
MW-2	12/03/2010	---	---	---	---	---	---	---	---	---	---	---	28.48	8.22	20.26	---
MW-2	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	28.48	6.40	22.08	---
MW-2	05/31/2011	---	---	---	---	---	---	---	---	---	---	---	28.48	7.46	21.02	---
MW-2	12/13/2011	---	---	---	---	---	---	---	---	---	---	---	28.48	8.28	20.20	---
MW-2	06/13/2012	---	---	---	---	---	---	---	---	---	---	---	28.48	7.51	20.97	---
MW-2	11/19/2012	---	---	---	---	---	---	---	---	---	---	---	28.48	8.85	19.63	---
MW-2	05/30/2013	---	---	---	---	---	---	---	---	---	---	---	28.48	7.82	20.66	---
MW-2	11/18/2013	---	---	---	---	---	---	---	---	---	---	---	28.48	9.55	18.93	---
MW-3	04/25/2001	---	---	---	---	---	---	---	---	---	---	---	22.30	7.16	15.14	---
MW-3	05/03/2001	<100	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.30	7.28	15.02	---
MW-3	07/09/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.30	8.45	13.85	---
MW-3	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.30	9.44	12.86	---
MW-3	01/24/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.30	5.88	16.42	---
MW-3	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.30	6.68	15.62	---
MW-3	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	22.30	7.63	14.67	---
MW-3	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	28.30	8.56	19.74	---
MW-3	01/21/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	28.30	6.95	21.35	---
MW-3	04/17/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	---	---	---	---	28.30	6.77	21.53	---
MW-3	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	28.30	7.92	20.38	---
MW-3	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	28.30	9.12	19.18	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
MW-3	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	28.30	7.21	21.09	---
MW-3	01/22/2004	---	---	---	---	---	---	---	---	---	---	---	28.30	9.00	19.30	0.6
MW-3	04/01/2004	---	---	---	---	---	---	---	---	---	---	---	28.30	6.65	21.65	---
MW-3	07/13/2004	---	---	---	---	---	---	---	---	---	---	---	28.30	8.24	20.06	---
MW-3	10/26/2004	---	---	---	---	---	---	---	---	---	---	---	28.30	8.50	19.80	---
MW-3	01/13/2005	---	---	---	---	---	---	---	---	---	---	---	28.30	6.32	21.98	---
MW-3	04/28/2005	---	---	---	---	---	---	---	---	---	---	---	28.30	6.05	22.25	---
MW-3	08/01/2005	---	---	---	---	---	---	---	---	---	---	---	28.30	7.65	20.65	---
MW-3	10/05/2005	---	---	---	---	---	---	---	---	---	---	---	28.30	8.31	19.99	---
MW-3	01/11/2006	---	---	---	---	---	---	---	---	---	---	---	28.30	6.10	22.20	---
MW-3	05/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	2.87	<0.500	<0.500	28.30	6.72	21.58	1.46
MW-3	08/30/2006	---	---	---	---	---	---	---	---	---	---	---	28.30	8.12	20.18	---
MW-3	11/08/2006	---	---	---	---	---	---	---	---	---	---	---	28.30	8.71	19.59	---
MW-3	02/22/2007	---	---	---	---	---	---	---	---	---	---	---	28.30	6.78	21.52	---
MW-3	05/29/2007	---	---	---	---	---	---	---	---	---	---	---	28.30	7.20	21.10	---
MW-3	08/27/2007	---	---	---	---	---	---	---	---	---	---	---	28.30	8.18	20.12	---
MW-3	11/08/2007	---	---	---	---	---	---	---	---	---	---	---	28.30	8.41	19.89	---
MW-3	02/20/2008	---	---	---	---	---	---	---	---	---	---	---	28.30	6.31	21.99	---
MW-3	05/01/2008	---	---	---	---	---	---	---	---	---	---	---	28.30	7.52	20.78	---
MW-3	08/12/2008	---	---	---	---	---	---	---	---	---	---	---	28.30	8.32	19.98	---
MW-3	11/26/2008	---	---	---	---	---	---	---	---	---	---	---	28.30	8.71	19.59	---
MW-3	02/03/2009	---	---	---	---	---	---	---	---	---	---	---	28.30	8.08	20.22	---
MW-3	06/02/2009	---	---	---	---	---	---	---	---	---	---	---	28.30	7.28	21.02	---
MW-3	11/10/2009	---	---	---	---	---	---	---	---	---	---	---	28.30	8.72	19.58	---
MW-3	05/10/2010	---	---	---	---	---	---	---	---	---	---	---	28.30	6.71	21.59	---
MW-3	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	28.30	8.59	19.71	---
MW-3	12/03/2010	---	---	---	---	---	---	---	---	---	---	---	28.30	8.26	20.04	---
MW-3	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	28.30	6.12	22.18	---
MW-3	05/31/2011	---	---	---	---	---	---	---	---	---	---	---	28.30	7.32	20.98	---

TABLE 1

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-3	12/13/2011	---	---	---	---	---	---	---	---	---	---	---	28.30	8.19	20.11	---
MW-3	06/13/2012	---	---	---	---	---	---	---	---	---	---	---	28.30	7.40	20.90	---
MW-3	11/19/2012	---	---	---	---	---	---	---	---	---	---	---	28.30	8.71	19.59	---
MW-3	05/30/2013	---	---	---	---	---	---	---	---	---	---	---	28.30	7.52	20.78	---
MW-3	11/18/2013	---	---	---	---	---	---	---	---	---	---	---	28.30	9.33	18.97	---
MW-4	04/25/2001	---	---	---	---	---	---	---	---	---	---	---	22.51	7.05	15.46	---
MW-4	05/03/2001	8,000	3,500	24	37	350	---	<200	---	---	---	---	22.51	6.66	15.85	---
MW-4	07/09/2001	16,000	4,100	32	890	790	---	<200	---	---	---	---	22.51	8.28	14.23	---
MW-4	10/18/2001	12,000	3,300	<20	430	220	---	<200	---	---	---	---	22.51	9.40	13.11	---
MW-4	01/24/2002	5,500	1,200	<5.0	280	240	---	<50	---	---	---	---	22.51	5.73	16.78	---
MW-4	04/04/2002	2,000	350	1.4	13	7.8	---	<10	---	---	---	---	22.51	5.62	16.89	---
MW-4	07/18/2002	3,400	440	1.3	200	98	---	<5.0	---	---	---	---	22.51	6.94	15.57	---
MW-4	10/21/2002	16,000	3,100	11	1,200	970	---	<5.0	---	---	---	---	28.51	8.04	20.47	---
MW-4	01/21/2003	3,600	720	3.9	110	58	---	<25	---	---	---	---	28.51	6.10	22.41	---
MW-4	04/17/2003	3,700	810	<5.0	140	17	---	<50	---	---	---	---	28.51	5.97	22.54	---
MW-4	07/22/2003	3,700	450	<2.5	110	7.9	---	<2.5	---	---	---	---	28.51	6.37	22.14	---
MW-4	10/20/2003	11,000 b	2,500	<20	550	95	---	<20	---	---	---	---	28.51	8.99	19.52	---
MW-4	01/13/2004	6,600	1,500	<10	41	37	---	<10	---	---	---	---	28.51	6.67	21.84	---
MW-4	01/22/2004	---	---	---	---	---	---	---	---	---	---	---	28.51	8.80	19.71	0.3
MW-4	04/01/2004	9,500	2,100	12	170	30	---	---	---	---	---	---	28.51	6.28	22.23	0.1
MW-4	07/13/2004	12,000	3,600	39	160	58	---	<25	<250	<100	<100	<100	28.51	8.20	20.31	0.1
MW-4	10/26/2004	11,000	2,800	<25	100	<50	---	---	---	---	---	---	28.51	8.00	20.51	0.6
MW-4	01/13/2005	12,000	2,200	14	110	43	---	---	---	---	---	---	28.51	6.03	22.48	0.1
MW-4	04/28/2005	8,600	2,300	27	200	49	---	---	---	---	---	---	28.51	5.93	22.58	3.71
MW-4	08/01/2005	11,000	3,900	57	180	47	---	<10	<100	<40	<40	<40	28.51	6.20	22.31	---
MW-4	10/05/2005	9,400	3,300	45	88	33	---	---	---	---	---	---	28.51	8.22	20.29	2.76
MW-4	01/11/2006	3,900 a	1,700 a	14	95	78	---	<0.50	32	7.4	<0.50	<0.50	28.51	4.25	24.26	0.6
MW-4	05/26/2006	6,730	455	1.90	56.7	44.8	---	<0.500	<10.0	4.36	<0.500	<0.500	28.51	5.90	22.61	0.54

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-4	08/30/2006	29,600	2,740	30.0	448	237	---	<0.500	<10.0	<0.500	<0.500	<0.500	28.51	7.98	20.53	0.44/0.46
MW-4	11/08/2006	6,300	1,500	13	130	67	---	---	---	---	---	---	28.51	8.52	19.99	0.05/0.22
MW-4	02/22/2007	11,000	2,200	18	620	310	---	---	---	---	---	---	28.51	5.63	22.88	2.96/2.98
MW-4	05/29/2007	14,000 b, f	3,200	27	640	249.0	---	---	---	---	---	---	28.51	6.60	21.91	0.19/0.11
MW-4	08/27/2007	12,000 f	1,900	19 g	250	80.9 g	---	<25	<250	<50	<50	<50	28.51	8.50	20.01	0.85/1.71
MW-4	11/08/2007	6,400 f	1,400	11 g	70	37.9 g	---	---	---	---	---	---	28.51	8.21	20.30	1.09/2.63
MW-4	02/20/2008	12,000 f	2,700	<20	690	396	---	---	---	---	---	---	28.51	4.86	23.65	0.46/0.12
MW-4	05/01/2008	8,500	2,000	<20	260	62	---	---	---	---	---	---	28.51	7.00	21.51	0.2/0.2
MW-4	08/12/2008	8,400	1,800	22	<20	24	---	<20	<200	<40	<40	<40	28.51	8.31	20.20	0.21/0.68
MW-4	11/26/2008	6,900	1,800	<20	120	<20	---	---	---	---	---	---	28.51	8.94	19.57	0.88/2.18
MW-4	02/03/2009	8,800	1,800	<20	160	96	---	---	---	---	---	---	28.51	7.64	20.87	0.15/0.26
MW-4	06/02/2009	15,000	3,000	58	340	55	---	---	---	---	---	---	28.51	6.82	21.69	0.26/0.65
MW-4	11/10/2009	13,000	2,200	37	180	91	---	<20	<200	<40	<40	<40	28.51	8.38	20.13	0.61/0.57
MW-4	05/10/2010	12,000	3,100	37	570	140	---	---	---	---	---	---	28.51	5.42	23.09	0.26/2.84
MW-4	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	28.51	8.31	20.20	---
MW-4	12/03/2010	6,400	1,600	21	96	68	---	<20	<200	<40	<40	<40	28.51	7.75	20.76	0.52/0.45
MW-4	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	28.51	4.25	24.26	---
MW-4	05/31/2011	11,000	3,200	61	520	68	---	---	---	---	---	---	28.51	6.34	22.17	1.46/2.63
MW-4	12/13/2011	4,000	1,120	31.1	83.0	30.3	---	<0.500	<10.0	4.64	<0.500	<0.500	28.51	7.90	20.61	0.59/0.19
MW-4	06/13/2012	12,000	3,500	47	270	<50	---	---	---	---	---	---	28.51	6.90	21.61	1.03/0.96
MW-4	11/19/2012	8,300	1,800	88	120	310	---	<25	<500	<25	<25	<25	28.51	8.34	20.17	0.88/1.02
MW-4	05/30/2013	11,000	3,400	68	220	40	---	---	---	---	---	---	28.51	7.38	21.13	0.10/0.07
MW-4	11/18/2013	10,000	2,400	33	43	<40	---	<20	<400	<20	<20	<20	28.51	9.13	19.38	0.27/0.24
MW-5	04/25/2001	---	---	---	---	---	---	---	---	---	---	---	23.54	7.36	16.18	---
MW-5	05/03/2001	160,000	12,000	20,000	3,600	23,000	---	<500	---	---	---	---	23.54	7.77	15.77	---
MW-5	07/09/2001	130,000	11,000	19,000	4,500	22,000	---	<500	---	---	---	---	23.54	9.32	14.22	---
MW-5	10/18/2001	120,000	12,000	23,000	4,200	21,000	---	<500	---	---	---	---	23.54	9.39	14.15	0.5
MW-5	01/24/2002	34,000	3,300	3,300	960	6,000	---	<100	---	---	---	---	23.54	7.05	16.49	4.0

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-5	04/04/2002	32,000	2,100	2,800	730	6,400	---	<200	---	---	---	---	23.54	6.89	16.65	1.0
MW-5	07/18/2002	75,000	7,500	4,700	2,700	15,000	---	<500	---	---	---	---	23.54	8.48	15.06	1.2
MW-5	10/21/2002	140,000	13,000	18,000	4,000	26,000	---	<500	---	---	---	---	29.54	9.21	20.33	1.1
MW-5	01/21/2003	47,000	6,400	3,500	370	8,300	---	<500	---	---	---	---	29.54	7.23	22.31	0.8
MW-5	04/17/2003	93,000	9,700	16,000	3,200	20,000	---	<500	---	---	---	---	29.54	6.61	22.93	0.8
MW-5	07/22/2003	110,000	9,500	15,000	560	23,000	---	<50	---	---	---	---	29.54	8.68	20.86	1.2
MW-5	10/20/2003	88,000	6,600	12,000	1,900	16,000	---	<50	---	---	---	---	29.54	9.71	19.83	0.1
MW-5	01/13/2004	4,600	460	140	<10	930	---	<10	---	---	---	---	29.54	7.30	22.24	---
MW-5	01/22/2004	---	---	---	---	---	---	---	---	---	---	---	29.54	9.51	20.03	0.3
MW-5	04/01/2004	70,000	7,900	11,000	2,100	17,000	---	---	---	---	---	---	29.54	6.80	22.74	0.1
MW-5	07/13/2004	66,000	5,900	10,000	1,900	16,000	---	<50	<500	<200	<200	<200	29.54	9.28	20.26	0.1
MW-5	10/26/2004	6,600	670	110	7.4	2,000	---	---	---	---	---	---	29.54	8.75	20.79	0.8
MW-5	01/13/2005	9,500	1,300	950	360	1,900	---	---	---	---	---	---	29.54	5.87	23.67	6.3
MW-5	04/28/2005	17,000	2,400	1,200	320	3,400	---	---	---	---	---	---	29.54	6.32	23.22	3.54
MW-5	08/01/2005	70,000	6,600	11,000	3,400	17,000	---	<50	<500	<200	<200	<200	29.54	8.27	21.27	---
MW-5	10/05/2005	93,000	8,600	15,000	4,500	23,000	---	---	---	---	---	---	29.54	9.12	20.42	1.43
MW-5	01/11/2006	12,000	1,900	550	2,400	3,800	---	<25	<250	<25	<25	<25	29.61	5.52	24.09	0.6
MW-5	05/26/2006	112,000	6,600	11,100	3,870	19,900 e	---	<0.500	<10.0	5.37	<0.500	<0.500	29.61	7.02	22.59	0.45
MW-5	08/30/2006	281,000	8,050	15,400	4,770	26,800	---	<0.500	<10.0	<0.500	<0.500	60.6	29.61	8.93	20.68	0.55/0.51
MW-5	11/08/2006	83,000	7,000	7,400	3,200	16,000	---	---	---	---	---	---	29.61	9.40	20.21	0.08/0.05
MW-5	02/22/2007	35,000	9,500	13,000	5,300	23,000	---	---	---	---	---	---	29.61	6.87	22.74	1.17/3.17
MW-5	05/29/2007	94,000 f	6,400	9,900	4,300	22,000	---	---	---	---	---	---	29.61	7.85	21.76	0.08/0.19
MW-5	08/27/2007	110,000 f	6,900	11,000	4,300	22,000	---	<100	<1000	<200	<200	<200	29.61	9.13	20.48	0.08/0.22
MW-5	11/08/2007	61,000 f	7,500	5,300	4,700	20,400	---	---	---	---	---	---	29.61	9.27	20.34	2.15/0.65
MW-5	02/20/2008	92,000 f	14,000	14,000	5,900	30,800	---	---	---	---	---	---	29.61	6.02	23.59	0.17/0.18
MW-5	05/01/2008	130,000	8,200	12,000	4,600	24,900	---	---	---	---	---	---	29.61	8.20	21.41	0.2/0.1
MW-5	08/12/2008	150,000	7,600	12,000	8,900	24,800	---	<100	<1,000	<200	<200	<200	29.61	9.42	20.19	0.14/0.51
MW-5	11/26/2008	110,000	7,900	12,000	4,500	27,500	---	---	---	---	---	---	29.61	9.86	19.75	1.26/0.95
MW-5	02/03/2009	130,000	8,500	10,000	4,400	24,000	---	---	---	---	---	---	29.61	8.67	20.94	0.30/0.23

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-5	06/02/2009	150,000	7,000	10,000	4,600	25,000	---	---	---	---	---	---	29.61	8.02	21.59	0.28/0.28
MW-5	11/10/2009	150,000	6,900	10,000	4,600	26,000	---	<100	<1000	<200	<200	<200	29.61	9.41	20.20	0.48/0.49
MW-5	05/10/2010	80,000	5,700	7,100	4,000	22,000	---	---	---	---	---	---	29.61	6.72	22.89	0.22/0.29
MW-5	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	29.61	9.51	20.10	---
MW-5	12/03/2010	73,000	5,400	8,500	4,100	21,000	---	<100	<1,000	<200	<200	<200	29.61	8.70	20.91	0.39/0.38
MW-5	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	29.61	5.04	24.57	---
MW-5	05/31/2011	72,000	5,800	7,000	4,400	23,000	---	---	---	---	---	---	29.61	7.52	22.09	0.92/1.21
MW-5	12/13/2011	130,000	9,070	10,900	7,200	38,000	---	<0.500	<10.0	<0.500	<0.500	<0.500	29.61	8.85	20.76	0.66/0.47
MW-5	06/13/2012	110,000	5,400	7,400	5,700	29,000	---	---	---	---	---	---	29.61	7.97	21.64	1.10/1.15
MW-5	11/19/2012	98,000	6,100	7,600	5,500	30,000	---	<50	<1,000	<50	<50	<50	29.61	9.30	20.31	1.45/1.27
MW-5	05/30/2013	96,000	6,000	7,200	5,700	30,000	---	---	---	---	---	---	29.61	8.43	21.18	0.07/0.10
MW-5	11/18/2013	74,000	5,000	5,300	4,400	24,000	---	<50	<1,000	<50	<50	<50	29.61	10.36	19.25	0.34/0.30
MW-6	01/09/2006	---	---	---	---	---	---	---	---	---	---	---	28.60	4.18	24.42	---
MW-6	01/11/2006	150,000	9,300	1,600	5,100	24,000	---	<2.5 a	51 a	17 a	<2.5 a	<2.5 a	28.60	4.50	24.10	3.6
MW-6	05/26/2006	67,300	6,930	870	2,440	7,590 e	---	<5.00	<100	10.1	<5.00	<5.00	28.60	6.10	22.50	0.49
MW-6	08/30/2006	7,060	6,090	1,180	2,040	7,200	---	<0.500	<10.0	<0.500	<0.500	<0.500	28.60	8.05	20.55	0.39/0.56
MW-6	11/08/2006	8,200	1,900	200	350	890	---	---	---	---	---	---	28.60	8.53	20.07	0.12/0.95
MW-6	02/22/2007	49,000	7,300	2,300	3,600	9,500	---	---	---	---	---	---	28.60	5.94	22.66	1.54/2.03
MW-6	05/29/2007	30,000 b, f	4,100	1,000	1,600	4,900	---	---	---	---	---	---	28.60	6.87	21.73	0.11/0.51
MW-6	08/27/2007	36,000 f	2,000	440	1,000	3,400	---	<25	<250	15 g	<50	<50	28.60	8.22	20.38	0.08/0.15
MW-6	11/08/2007	7,000 f	850	130	270	880	---	---	---	---	---	---	28.60	8.32	20.28	0.94/2.48
MW-6	02/20/2008	28,000 f	6,900	1,300	1,900	7,000	---	---	---	---	---	---	28.60	5.03	23.57	0.14/0.09
MW-6	05/01/2008	24,000	4,400	940	1,000	3,500	---	---	---	---	---	---	28.60	7.15	21.45	0.05/0.04
MW-6	08/12/2008	30,000	1,900	380	1,300	3,600	---	<50	<500	<100	<100	<100	28.60	8.49	20.11	0.49/0.99
MW-6	11/26/2008	15,000	2,400	320	590	2,120	---	---	---	---	---	---	28.60	8.93	19.67	0.79/2.30
MW-6	02/03/2009	25,000	3,000	330	790	3,000	---	---	---	---	---	---	28.60	7.69	20.91	0.24/0.09
MW-6	06/02/2009	Well inaccessible		---	---	---	---	---	---	---	---	---	28.60	---	---	---
MW-6	11/10/2009	19,000	2,500	490	620	2,200	---	<25	<250	<50	<50	<50	28.60	8.47	20.13	2.82/1.98

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-6	05/10/2010	15,000	4,100	700	790	2,300	---	---	---	---	---	---	28.60	5.64	22.96	0.21/0.35
MW-6	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	28.60	8.54	20.06	---
MW-6	12/03/2010	5,700	1,800	240	250	870	---	<25	<250	<50	<50	<50	28.60	7.88	20.72	0.38/0.53
MW-6	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	28.60	4.08	24.52	---
MW-6	05/31/2011	33,000	6,200	1,900	1,700	5,800	---	---	---	---	---	---	28.60	6.25	22.35	0.80/2.21
MW-6	12/13/2011	12,000	2,700	556	548	1,880	---	<0.500	<10.0	9.68	<0.500	<0.500	28.60	8.01	20.59	0.81/0.99
MW-6	06/13/2012	30,000	6,200	1,400	1,700	6,300	---	---	---	---	---	---	28.60	7.14	21.46	1.00/1.41
MW-6	11/19/2012	3,000	450	67	76	600	---	<2.5	<50	<2.5	<2.5	<2.5	28.60	8.34	20.26	2.04/2.90
MW-6	05/30/2013	<10,000	350	<100	<100	<200	---	---	---	---	---	---	28.60	7.59	21.01	0.38/2.76
MW-6	11/18/2013	3,500	460	15	150	130	---	<5.0	<100	<5.0	<5.0	<5.0	28.60	9.42	19.18	0.22/0.19
MW-7	01/09/2006	---	---	---	---	---	---	---	---	---	---	---	29.71	5.50	24.21	---
MW-7	01/11/2006	79,000	9,800	1,800	1,900	20,000	---	<5.0 a	64 a	28 a	<5.0 a	<5.0 a	29.71	5.70	24.01	1.0
MW-7	05/26/2006	98,200	9,620	1,150	3,490	13,400 e	---	<5.00	885	30.8	<5.00	<5.00	29.71	7.24	22.47	0.30
MW-7	08/30/2006	146,000	8,740	980	3,440	15,400	---	<0.500	<10.0	22.7	<0.500	<0.500	29.71	9.03	20.68	0.51/0.46
MW-7	11/08/2006	61,000	6,600	880	2,800	12,000	---	---	---	---	---	---	29.71	9.49	20.22	0.02/0.13
MW-7	02/22/2007	50,000	3,400	910	2,200	13,000	---	---	---	---	---	---	29.71	7.00	22.71	0.96/2.57
MW-7	05/29/2007	26,000 b, f	2,700	320	850	3,590	---	---	---	---	---	---	29.71	8.01	21.70	0.09/0.15
MW-7	08/27/2007	37,000 f	3,300	240	1,300	4,060	---	<25	<250	20 g	<50	<50	29.71	9.30	20.41	1.23/1.64
MW-7	11/08/2007	26,000 f	3,000	120	1,000	2,810	---	---	---	---	---	---	29.71	9.39	20.32	0.80/1.39
MW-7	02/20/2008	20,000 f	1,400	210	600	4,800	---	---	---	---	---	---	29.71	3.33	26.38	3.72/0.58
MW-7	05/01/2008	16,000	1,700	66	85	1,380	---	---	---	---	---	---	29.71	8.28	21.43	0.2/0.1
MW-7	08/12/2008	27,000	1,700	73	1,100	2,490	---	<20	<200	<40	<40	<40	29.71	9.61	20.10	1.49/1.93
MW-7	11/26/2008	25,000	2,300	61	62	1,400	---	---	---	---	---	---	29.71	9.94	19.77	0.85/1.10
MW-7	02/03/2009	54,000	2,900	170	520	5,800	---	---	---	---	---	---	29.71	8.80	20.91	0.17/0.62
MW-7	06/02/2009	14,000	1,100	43	23	810	---	---	---	---	---	---	29.71	8.16	21.55	0.21/0.18
MW-7	11/10/2009	17,000	900	42	63	1,400	---	<10	<100	<20	<20	<20	29.71	9.56	20.15	0.54/0.33
MW-7	05/10/2010	6,900	650	24	24	610	---	---	---	---	---	---	29.71	6.86	22.85	0.37/0.19
MW-7	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	29.71	9.70	20.01	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-7	12/03/2010	8,100	550	16	20	520	---	<5.0	<50	<10	<10	<10	29.71	8.95	20.76	0.41/0.37
MW-7	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	29.71	4.67	25.04	---
MW-7	05/31/2011	6,200	530	16	8.5	320	---	---	---	---	---	---	29.71	7.54	22.17	0.63/0.87
MW-7	12/13/2011	8,800	689	8.85	9.68	200	---	<0.500	<10.0	1.99	<0.500	<0.500	29.71	8.93	20.78	0.38/0.35
MW-7	06/13/2012	2,300	330	<5.0	<5.0	86	---	---	---	---	---	---	29.71	8.26	21.45	1.35/1.08
MW-7	11/19/2012	5,800	860	14	7.8	300	---	<5.0	<100	<5.0	<5.0	<5.0	29.71	9.51	20.20	0.96/1.10
MW-7	05/30/2013	3,200	420	11	<5.0	140	---	---	---	---	---	---	29.71	8.55	21.16	0.35/0.24
MW-7	11/18/2013	3,700	620	5.4	7.8	130	---	<5.0	<100	<5.0	<5.0	<5.0	29.71	10.41	19.30	0.19/0.17
MW-8	01/09/2006	---	---	---	---	---	---	---	---	---	---	---	29.54	5.56	23.98	---
MW-8	01/11/2006	32,000	2,400	180	66	5,500	---	<0.50 a	35 a	15 a	<0.50 a	<0.50 a	29.54	5.53	24.01	0.8
MW-8	05/26/2006	24,800	423	73.0	166	2,820 e	---	<0.500	<10.0	2.18	<0.500	<0.500	29.54	7.02	22.52	0.35
MW-8	08/30/2006	72,100	1,770	114	324	3,140	---	<0.500	<10.0	23.3	<0.500	<0.500	29.54	8.81	20.73	0.51/0.50
MW-8	11/08/2006	24,000	2,000	90	190	3,400	---	---	---	---	---	---	29.54	9.25	20.29	0.11/0.40
MW-8	02/22/2007	26,000	2,100	110	180	4,400	---	---	---	---	---	---	29.54	7.08	22.46	1.37/1.71
MW-8	05/29/2007	31,000 f	2,600	99	250	3,140	---	---	---	---	---	---	29.54	7.81	21.73	0.05/0.49
MW-8	08/27/2007	41,000 f	3,400	110	260	3,880	---	<20	<200	32 g	<40	<40	29.54	9.04	20.50	0.07/0.27
MW-8	11/08/2007	42,000 f	4,900	140	440	4,000	---	---	---	---	---	---	29.54	9.14	20.40	3.20/0.10
MW-8	02/20/2008	19,000 f	760	38	52	1,930	---	---	---	---	---	---	29.54	9.00	20.54	1.72/0.13
MW-8	05/01/2008	18,000	1,000	35	42	1,520	---	---	---	---	---	---	29.54	8.10	21.44	1.10/0.19
MW-8	08/12/2008	33,000	1,600	69	1,100	2,730	---	<10	<100	<20	<20	<20	29.54	9.41	20.13	0.15/0.29
MW-8	11/26/2008	27,000	2,600	77	100	2,930	---	---	---	---	---	---	29.54	9.68	19.86	2.60/0.66
MW-8	02/03/2009	32,000	2,400	70	81	2,700	---	---	---	---	---	---	29.54	8.57	20.97	0.10/0.23
MW-8	06/02/2009	22,000	1,100	39	56	1,600	---	---	---	---	---	---	29.54	8.00	21.54	0.22/0.38
MW-8	11/10/2009	22,000	1,600	46	52	1,600	---	<25	<250	<50	<50	<50	29.54	9.32	20.22	0.45/0.29
MW-8	05/10/2010	9,800	340	15	21	700	---	---	---	---	---	---	29.54	6.74	22.80	0.28/0.54
MW-8	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	29.54	9.52	20.02	---
MW-8	12/03/2010	13,000	720	26	29	870	---	<5.0	<50	<10	<10	<10	29.54	8.67	20.87	0.90/0.27
MW-8	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	29.54	4.97	24.57	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-8	05/31/2011	10,000	260	7.6	9.6	390	---	---	---	---	---	---	29.54	7.51	22.03	0.78/0.81
MW-8	12/13/2011	14,000	703	15.4	25.2	467	---	<0.500	<10.0	4.95	<0.500	<0.500	29.54	8.73	20.81	0.69/0.32
MW-8	06/13/2012	8,200	290	7.9	14	430	---	---	---	---	---	---	29.54	8.01	21.53	1.48/0.94
MW-8	11/19/2012	7,000	180	7.0	13	510	---	<2.5	<50	<2.5	<2.5	<2.5	29.54	9.28	20.26	0.79/0.70
MW-8	05/30/2013	7,900	190	5.7	8.7	270	---	---	---	---	---	---	29.54	8.37	21.17	0.17/0.07
MW-8	11/18/2013	11,000	240	8.2	11	630	---	<2.0	<40	<2.0	<2.0	<2.0	29.54	10.40	19.14	0.26/0.22
MW-9	08/27/2010	---	---	---	---	---	---	---	---	---	---	---	28.52	10.33	18.19	---
MW-9	09/09/2010	13,000	32	13	880	610	---	---	---	---	---	---	28.52	10.60	17.92	0.51/0.73
MW-9	12/03/2010	6,400	33	9.5	540	280	---	---	---	---	---	---	28.52	10.42	18.10	0.22/0.33
MW-9	03/02/2011	11,000	74	11	840	170	---	---	---	---	---	---	28.52	6.45	22.07	0.53/0.48
MW-9	05/31/2011	12,000	49	6.7	570	100	---	---	---	---	---	---	28.52	8.80	19.72	0.19/0.27
MW-9	12/13/2011	13,000	35.8	5.60	470	97.2	---	---	---	---	---	---	28.52	10.24	18.28	0.54/0.51
MW-9	06/13/2012	9,700	49	6.1	420	59	---	---	---	---	---	---	28.52	9.27	19.25	0.68/0.72
MW-9	11/19/2012	9,300	26	<5.0	340	68	---	---	---	---	---	---	28.52	10.55	17.97	1.35/0.76
MW-9	05/30/2013	7,200	19	3.4	160	36	---	---	---	---	---	---	28.52	9.32	19.20	0.41/0.59
MW-9	11/18/2013	760	<5.0	<5.0	19	<10	---	---	---	---	---	---	28.52	10.93	17.59	0.37/0.31
MW-10	08/27/2010	---	---	---	---	---	---	---	---	---	---	---	28.70	10.21	18.49	---
MW-10	09/09/2010	2,600	1.9	1.3	40	170	---	---	---	---	---	---	28.70	10.70	18.00	1.43/1.67
MW-10	12/03/2010	1,600	2.0	<1.0	25	18	---	---	---	---	---	---	28.70	10.06	18.64	0.17/0.30
MW-10	03/02/2011	1,600	2.6	0.55	41	13	---	---	---	---	---	---	28.70	6.85	21.85	0.41/0.40
MW-10	05/31/2011	2,400	2.0	0.51	60	45	---	---	---	---	---	---	28.70	7.23	21.47	0.22/0.43
MW-10	12/13/2011	2,700	2.43	<0.500	20.2	2.70	---	---	---	---	---	---	28.70	9.50	19.20	0.69/0.62
MW-10	06/13/2012	2,200	2.5	0.53	48	46	---	---	---	---	---	---	28.70	10.41	18.29	0.81/0.92
MW-10	11/19/2012	980	1.6	<0.50	8.8	1.1	---	---	---	---	---	---	28.70	10.12	18.58	1.20/0.66
MW-10	05/30/2013	1,300	2.0	<0.50	34	5.1	---	---	---	---	---	---	28.70	9.02	19.68	1.38/0.44
MW-10	11/18/2013	5,400	9.8	<5.0	150	19	---	---	---	---	---	---	28.70	10.42	18.28	0.50/0.52

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
MW-11	08/27/2010	---	---	---	---	---	---	---	---	---	---	---	27.46	9.98	17.48	---
MW-11	09/09/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	27.46	10.32	17.14	1.64/1.69
MW-11	12/03/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	27.46	9.84	17.62	0.29/0.47
MW-11	03/02/2011	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	27.46	6.13	21.33	1.08/0.88
MW-11	05/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	27.46	8.42	19.04	0.17/0.30
MW-11	12/13/2011	<50	<0.500	<0.500	<0.500	<0.500	---	---	---	---	---	---	27.46	9.93	17.53	0.36/0.52
MW-11	06/13/2012	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	27.46	9.98	17.48	0.54/0.91
MW-11	11/19/2012	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	27.46	10.16	17.30	0.60/0.88
MW-11	05/30/2013	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	27.46	8.74	18.72	0.74/0.59
MW-11	11/18/2013	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	27.46	10.32	17.14	0.90/0.45
MW-12	05/19/2006	---	---	---	---	---	---	---	---	---	---	---	31.16	8.42	22.74	---
MW-12	05/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	<0.500	<10.0	<0.500	<0.500	<0.500	31.16	8.44	22.72	3.88
MW-12	08/30/2006	746	<0.500	<0.500	<0.500	<0.500	---	---	---	---	---	---	31.16	9.54	21.62	1.75/1.81
MW-12	11/08/2006	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	31.16	8.67	22.49	2.26/3.60
MW-12	02/22/2007	<50	<0.50	<1.0	<0.50	<1.0	---	---	---	---	---	---	31.16	7.72	23.44	1.60/2.91
MW-12	05/29/2007	<50 f	0.49 g	<1.0	0.14 g	0.48 g	---	---	---	---	---	---	31.16	9.00	22.16	0.60/0.61
MW-12	08/27/2007	<50 f	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	9.90	21.26	0.47/0.24
MW-12	11/08/2007	<50 f	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	9.90	21.26	3.8/3.1
MW-12	02/20/2008	<50 f	5.4	1.7	3.4	12.4	---	---	---	---	---	---	31.16	7.40	23.76	3.43/1.91
MW-12	05/01/2008	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	9.20	21.96	0.09/0.13
MW-12	08/12/2008	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	10.40	20.76	3.6/3.2
MW-12	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	10.59	20.57	1.80/1.32
MW-12	02/03/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	9.39	21.77	1.72/1.75
MW-12	06/02/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	9.20	21.96	0.77/1.41
MW-12	11/10/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	10.12	21.04	2.70/1.52
MW-12	05/10/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	8.41	22.75	2.65/1.42
MW-12	09/09/2010	Unable to locate		---	---	---	---	---	---	---	---	---	31.16	---	---	---
MW-12	12/03/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	31.16	9.32	21.84	0.74/1.29

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
MW-12	03/02/2011	Unable to locate		---	---	---	---	---	---	---	---	---	31.16	---	---	---
MW-12	05/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	31.16	8.80	22.36	0.59/0.91
MW-12	12/13/2011	<50	<0.500	<0.500	<0.500	<0.500	---	---	---	---	---	---	31.16	9.64	21.52	0.75/2.07
MW-12	06/13/2012	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	31.16	9.31	21.85	0.61/1.79
MW-12	11/19/2012	Well inaccessible		---	---	---	---	---	---	---	---	---	31.16	---	---	---
MW-12	05/30/2013	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	31.16	9.40	21.76	0.68/0.72
MW-12	11/18/2013	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	31.16	11.83	19.33	0.29/0.66
MW-14	05/19/2006	---	---	---	---	---	---	---	---	---	---	---	28.09	6.95	21.14	---
MW-14	05/26/2006	103,000	5,280	76.7	3,930	4,800 e	---	<5.00	895	49.7	<5.00	<5.00	28.09	7.05	21.04	3.60
MW-14	08/30/2006	10,200	1,260	12.5	1,310	1,330	---	<0.500	<10.0	<0.500	<0.500	<0.500	28.09	9.19	18.90	3.33/3.49
MW-14	11/08/2006	29,000	4,400 a	34	2,000	1,600	---	---	---	---	---	---	28.09	9.80	18.29	1.16/1.40
MW-14	02/22/2007	31,000	2,600	42	2,200	1,600	---	---	---	---	---	---	28.09	6.70	21.39	0.59/1.11
MW-14	05/29/2007	35,000 f	1,100	14	1,800	767	---	---	---	---	---	---	28.09	7.89	20.20	0.08/0.08
MW-14	08/27/2007	Well inaccessfble		---	---	---	---	---	---	---	---	---	---	---	---	---
MW-14	08/29/2007	45,000 f	1,000	11	870	367.8 g	---	<10	<100	20	<20	<20	28.09	9.25	18.84	0.09/0.16
MW-14	11/08/2007	32,000 f	1,600	22	1,500	889	---	---	---	---	---	---	28.09	9.21	18.88	0.04/0.35
MW-14	02/20/2008	23,000 f	1,800	32	1,600	1,021	---	---	---	---	---	---	28.09	6.34	21.75	0.09/0.08
MW-14	05/01/2008	16,000	830	15	870	452	---	---	---	---	---	---	28.09	7.95	20.14	0.12/0.09
MW-14	08/12/2008	34,000	1,400	26	550	1,151	---	<10	<100	<20	<20	<20	28.09	14.10	13.99	0.03/0.38
MW-14	11/26/2008	Well inaccessible		---	---	---	---	---	---	---	---	---	28.09	---	---	---
MW-14	02/03/2009	39,000	1,800	27	1,700	1,400	---	---	---	---	---	---	28.09	8.66	19.43	0.16/0.19
MW-14	06/02/2009	34,000	1,100	<25	1,200	710	---	---	---	---	---	---	28.09	8.21	19.88	0.16/0.26
MW-14	11/10/2009	39,000	2,300	35	2,100	1,200	---	<25	<250	<50	<50	<50	28.09	9.69	18.40	0.45/1.56
MW-14	05/10/2010	5,900	150	2.1	170	54	---	---	---	---	---	---	28.09	6.64	21.45	0.49/1.38
MW-14	09/09/2010	Well inaccessible		---	---	---	---	---	---	---	---	---	28.09	---	---	---
MW-14	12/03/2010	84,000	1,800	39	1,900	1,100	---	<5.0	<50	27	<10	<10	28.09	9.10	18.99	0.50/0.67
MW-14	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	28.09	5.60	22.49	---
MW-14	05/31/2011	21,000	460	10	930	460	---	---	---	---	---	---	28.09	8.85	19.24	0.47/0.77

TABLE 1

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE	MTBE	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
MW-14	12/13/2011	30,000	1,370	23.8	1,590	871	---	<0.500	<10.0	17.8	<0.500	<0.500	28.09	9.35	18.74	0.67/0.65
MW-14	06/13/2012	26,000	1,100	13	1,400	630	---	---	---	---	---	---	28.09	8.34	19.75	0.54/0.75
MW-14	11/19/2012	27,000	1,700	30	2,800	1,200	---	<5.0	<100	23	<5.0	<5.0	28.09	9.78	18.31	2.84/3.10
MW-14	05/30/2013	34,000	1,300	23	2,100	920	---	---	---	---	---	---	28.09	8.78	19.31	0.97/1.02
MW-14	11/18/2013	33,000	1,200	23	2,700	950	---	<10	<200	16	<10	<10	28.09	10.41	17.68	0.21/0.33
V-1	08/02/1996	---	---	---	---	---	---	---	---	---	---	---	23.26	---	---	---
V-1	08/05/1996	---	---	---	---	---	---	---	---	---	---	---	23.26	8.58	14.68	---
V-1	10/17/1996	---	---	---	---	---	---	---	---	---	---	---	23.26	10.02	13.24	---
V-1	01/16/1997	9,500	1,200	250	280	880	<50	---	---	---	---	---	23.26	5.55	17.71	---
V-1	04/07/1997	2,200	42	<5.0	130	15	<25	---	---	---	---	---	23.26	7.40	15.86	---
V-1	07/02/1997	2,600	340	5.8	49	12	74	<4.0	---	---	---	---	23.26	8.94	14.32	---
V-1	10/24/1997	57,000	5,200	2,300	3,600	16,000	1,900	<200	---	---	---	---	23.26	9.43	13.83	---
V-1	01/09/1998	23,000	2,400	1,700	1,300	2,300	310	---	---	---	---	---	23.26	6.81	16.45	---
V-1 (D)	01/09/1998	24,000	2,500	1,800	1,400	2,400	450	---	---	---	---	---	23.26	---	---	---
V-1	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.26	4.58	18.68	---
V-1 (D)	04/02/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.26	---	---	---
V-1	07/14/1998	160	1.9	<0.50	4.2	<0.50	6.1	---	---	---	---	---	23.26	7.51	15.75	---
V-1	10/01/1998	440	18	<0.50	11	0.80	7.9	---	---	---	---	---	23.26	8.49	14.77	---
V-1	01/18/1999	697	55.7	0.839	28.2	<0.500	9.35	---	---	---	---	---	23.26	8.59	14.67	---
V-1	04/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	---	---	---	---	23.26	8.69	14.57	---
V-1	08/23/1999	457	33.4	3.59	16.3	<0.500	13.9	---	---	---	---	---	23.26	8.99	14.27	---
V-1	10/06/1999	714	53.7	0.740	8.69	<0.500	9.83	---	---	---	---	---	23.26	9.55	13.71	---
V-1	01/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	23.26	7.19	16.07	---
V-1	04/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	23.26	7.67	15.59	---
V-1	07/19/2000	255	21.7	<0.500	10.2	<0.500	7.33	<1.00 a	---	---	---	---	23.26	7.53	15.73	---
V-1	10/24/2000	200	4.05	0.566	<0.500	<0.500	7.82	---	---	---	---	---	23.26	7.38	15.88	---
V-1	01/04/2001	128	1.77	<0.500	<0.500	<0.500	6.40	<10.0	---	---	---	---	23.26	8.41	14.85	---
V-1	05/03/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	23.26	7.20	16.06	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE	MTBE	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
V-1	07/09/2001	110	4.4	<0.50	0.88	1.7	---	<5.0	---	---	---	---	23.26	9.22	14.04	---
V-1	10/18/2001	1,500	180	12	43	46	---	<5.0	---	---	---	---	23.26	10.08	13.18	0.8
V-1	01/24/2002	210	7.1	15	4.6	32	---	<5.0	---	---	---	---	23.26	6.44	16.82	3.5
V-1	04/04/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	23.26	6.18	17.08	1.0
V-1	07/18/2002	100	1.6	1.2	1.2	6.1	---	<5.0	---	---	---	---	23.26	8.08	15.18	1.7
V-1	10/21/2002	210	1.4	<0.50	1.0	1.3	---	<5.0	---	---	---	---	29.26	8.94	20.32	1.2
V-1	01/21/2003	61	5.2	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	29.26	6.62	22.64	0.6
V-1	04/17/2003	<50	<0.50	<0.50	<0.50	1.2	---	<5.0	---	---	---	---	29.26	6.00	23.26	1.3
V-1	07/22/2003	Well inaccessible		---	---	---	---	---	---	---	---	---	29.26	---	---	---
V-1	10/20/2003	540	11	1.6	6.0	8.9	---	<0.50	---	---	---	---	29.26	9.53	19.73	0.1
V-1	01/13/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	29.26	6.62	22.64	---
V-1	01/22/2004	---	---	---	---	---	---	---	---	---	---	---	29.26	9.08	20.18	0.1
V-1	04/01/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	29.26	6.24	23.02	0.1
V-1	07/13/2004	120	1.8	<0.50	<0.50	<1.0	---	<0.50	<5.0	<2.0	<2.0	<2.0	29.26	8.78	20.48	0.1
V-1	10/26/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	29.26	8.09	21.17	0.6
V-1	01/13/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	29.26	4.30	24.96	0.1
V-1	04/28/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	29.26	5.27	23.99	3.34
V-1	08/01/2005	54	<0.50	<0.50	<0.50	<1.0	---	<0.50	<5.0	<2.0	<2.0	<2.0	29.26	7.77	21.49	---
V-1	10/05/2005	120 c	<0.50	<0.50	<0.50	<1.0	---	---	---	---	---	---	29.26	8.72	20.54	1.67
V-1	01/11/2006	<50	<0.50	<0.50	<0.50	<0.50	---	<0.50	<5.0	<0.50	<0.50	<0.50	29.24	4.78	24.46	0.3
V-1	05/26/2006	<50.0	<0.500	<0.500	<0.500	1.02 e	---	<0.500	<10.0	<0.500	<0.500	<0.500	29.24	6.61	22.63	1.94
V-1	08/30/2006	5,660	6.81	1.39	27.3	21.0	---	<0.500	<10.0	<0.500	<0.500	<0.500	29.24	8.46	20.78	0.33/0.33
V-1	11/08/2006	1,300	3.7	1.5	5.1	6.9	---	---	---	---	---	---	29.24	8.95	20.29	0.05/0.11
V-1	02/22/2007	<50	<0.50	<1.0	<0.50	<1.0	---	---	---	---	---	---	29.24	6.17	23.07	0.76/0.99
V-1	05/29/2007	650 f	0.64	<1.0	1.2	0.95 g	---	---	---	---	---	---	29.24	7.21	22.03	0.69/0.74
V-1	08/27/2007	510 b, f	0.24	<1.0	<1.0	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	29.24	8.78	20.46	0.12/0.57
V-1 d	11/08/2007	2,000 f	19	2.9	23	18.5	---	---	---	---	---	---	29.24	8.41	20.83	0.61/1.54
V-1	02/20/2008	54 f	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	29.24	5.11	24.13	0.13/0.22
V-1	05/01/2008	280	0.57	<1.0	<1.0	<1.0	---	---	---	---	---	---	29.24	7.60	21.64	0.08/0.08

TABLE 1

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
							8020 (µg/L)	8260 (µg/L)								
V-1	08/12/2008	390	0.80	<1.0	<1.0	1.1	---	<1.0	<10	<2.0	<2.0	<2.0	29.24	9.00	20.24	0.81/1.51
V-1	11/26/2008	3,300	46	8.3	62	44.2	---	---	---	---	---	---	29.24	9.50	19.74	0.76/1.28
V-1	02/03/2009	450	0.98	<1.0	1.7	<1.0	---	---	---	---	---	---	29.24	8.18	21.06	0.13/0.39
V-1	06/02/2009	230	<0.50	<1.0	1.3	<1.0	---	---	---	---	---	---	29.24	7.45	21.79	0.25/0.31
V-1	11/10/2009	900	3.1	<1.0	6.5	2.0	---	<1.0	<10	<2.0	<2.0	<2.0	29.24	8.91	20.33	0.84/0.56
V-1	05/10/2010	81	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	29.24	5.94	23.30	0.17/0.43
V-1	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	29.24	8.95	20.29	---
V-1	12/03/2010	560	1.1	<1.0	3.2	<1.0	---	<1.0	<10	<2.0	<2.0	<2.0	29.24	8.25	20.99	0.47/0.95
V-1	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	29.24	4.18	25.06	---
V-1	05/31/2011	160	<0.50	<0.50	0.57	<1.0	---	---	---	---	---	---	29.24	6.82	22.42	0.69/1.26
V-1	12/13/2011	1,300	1.09	<0.500	5.63	0.980	---	<0.500	<10.0	<0.500	<0.500	<0.500	29.24	8.37	20.87	0.94/0.81
V-1	06/13/2012	410	0.63	<0.50	3.9	<1.0	---	---	---	---	---	---	29.24	7.52	21.72	1.65/1.73
V-1	11/19/2012	57	<0.50	<0.50	<0.50	<1.0	---	<0.50	<10	<0.50	<0.50	<0.50	29.24	8.35	20.89	1.48/1.37
V-1	05/30/2013	710	1.8	<0.50	9.3	<1.0	---	---	---	---	---	---	29.24	7.93	21.31	0.44/0.85
V-1	11/18/2013	610	1.7	<0.50	1.5	<1.0	---	<0.50	<10	<0.50	<0.50	<0.50	29.24	9.33	19.91	0.14/0.13
V-2	08/02/1996	---	---	---	---	---	---	---	---	---	---	---	22.80	---	---	---
V-2	08/05/1996	---	---	---	---	---	---	---	---	---	---	---	22.80	7.94	14.86	---
V-2	10/17/1996	---	---	---	---	---	---	---	---	---	---	---	22.80	9.30	13.50	---
V-2	01/08/1997	69,000	4,800	2,800	2,700	13,000	750	---	---	---	---	---	22.80	5.82	16.98	---
V-2	04/07/1997	90,000	4,400	1,900	3,300	14,000	<500	---	---	---	---	---	22.80	7.10	15.70	---
V-2 (D)	04/07/1997	77,000	4,400	2,000	3,200	14,000	<250	---	---	---	---	---	22.80	---	---	---
V-2	07/02/1997	82,000	5,500	2,700	3,500	16,000	530	<100	---	---	---	---	22.80	8.35	14.45	---
V-2 (D)	07/02/1997	85,000	5,600	2,800	3,600	17,000	520	<100	---	---	---	---	22.80	---	---	---
V-2	10/24/1997	7,300	1,100	97	230	180	91	<12	---	---	---	---	22.80	10.03	12.77	---
V-2 (D)	10/24/1997	12,000	1,700	340	650	630	120	<20	---	---	---	---	22.80	---	---	---
V-2	01/09/1998	40,000	4,100	1,500	2,500	9,000	280	---	---	---	---	---	22.80	6.94	15.86	---
V-2	04/02/1998	62,000	6,800	2,400	3,400	14,000	<250	---	---	---	---	---	22.80	5.35	17.45	---
V-2	07/14/1998	43,000	4,700	1,100	2,500	6,600	<250	---	---	---	---	---	22.80	6.48	16.32	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE		TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
V-2 (D)	07/14/1998	48,000	5,100	1,300	2,600	8,100	<250	---	---	---	---	---	22.80	---	---	---
V-2	10/01/1998	53,000	5,200	1,800	3,200	10,000	83	---	---	---	---	---	22.80	8.41	14.39	---
V-2 (D)	10/01/1998	55,000	5,300	1,900	3,300	11,000	65	---	---	---	---	---	22.80	---	---	---
V-2	01/18/1999	47,100	5,800	1,960	3,450	10,200	<100	---	---	---	---	---	22.80	8.29	14.51	---
V-2	04/29/1999	65,000	6,100	2,800	3,200	12,000	540	---	---	---	---	---	22.80	8.19	14.61	---
V-2	08/23/1999	59,600	6,240	2,190	3,900	14,700	390	---	---	---	---	---	22.80	8.44	14.36	---
V-2	10/06/1999	63,800	4,820	1,860	2,840	11,100	<1000	---	---	---	---	---	22.80	8.96	13.84	---
V-2	01/27/2000	59,600	10,200	2,840	3,450	12,100	<500	---	---	---	---	---	22.80	7.57	15.23	---
V-2	04/18/2000	45,000	6,050	2,700	3,340	12,200	<250	---	---	---	---	---	22.80	8.14	14.66	---
V-2	07/19/2000	31,800	4,440	1,270	2,390	6,820	<500	---	---	---	---	---	22.80	8.21	14.59	---
V-2	10/24/2000	40,100	4,810	1,730	2,960	8,650	734	<10.0	---	---	---	---	22.80	8.53	14.27	---
V-2	01/04/2001	37,500	4,510	1,390	2,710	6,880	375	---	---	---	---	---	22.80	8.03	14.77	---
V-2	05/03/2001	51,000	4,000	1,900	2,800	8,200	---	<200	---	---	---	---	22.80	6.63	16.17	---
V-2	07/09/2001	9,600	710	190	180	1,400	---	<25	---	---	---	---	22.80	8.75	14.05	---
V-2	10/18/2001	20,000	2,000	540	560	6,000	---	<50	---	---	---	---	22.80	9.60	13.20	0.4
V-2	01/24/2002	36,000	2,900	870	1,700	5,900	---	<100	---	---	---	---	22.80	5.93	16.87	4.0
V-2	04/04/2002	49,000	3,900	1,500	2,900	9,300	---	<200	---	---	---	---	22.80	5.78	17.02	0.9
V-2	07/18/2002	50,000	3,600	1,300	2,800	9,300	---	<200	---	---	---	---	22.80	7.58	15.22	1.3
V-2	10/21/2002	86,000	6,000	1,900	4,200	20,000	---	<250	---	---	---	---	28.80	8.40	20.40	1.3
V-2	01/21/2003	13,000	630	200	300	2,400	---	<25	---	---	---	---	28.80	6.52	22.28	1.2
V-2	04/17/2003	26,000	2,000	570	750	6,000	---	<100	---	---	---	---	28.80	5.93	22.87	1.1
V-2	07/22/2003	6,800	130	34	150	440	---	<2.5	---	---	---	---	28.80	7.96	20.84	1.4
V-2	10/20/2003	14,000	660	160	260	2,400	---	<10	---	---	---	---	28.80	9.21	19.59	0.7
V-2	01/13/2004	20,000	1,400	410	700	4,200	---	<13	---	---	---	---	28.80	6.90	21.90	---
V-2	01/22/2004	---	---	---	---	---	---	---	---	---	---	---	28.80	8.50	20.30	0.1
V-2	04/01/2004	28,000	2,000	520	650	8,700	---	---	---	---	---	---	28.80	6.84	21.96	0.2
V-2	07/13/2004	21,000	1,900	460	1,000	4,300	---	---	---	---	---	---	28.80	8.28	20.52	0.1
V-2	10/26/2004	43,000	2,700	880	2,300	12,000	---	---	---	---	---	---	28.80	8.43	20.37	0.8
V-2	01/13/2005	23,000	1,400	330	1,800	5,800	---	---	---	---	---	---	28.80	6.67	22.13	0.6

TABLE 1

**GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA**

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE	MTBE	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to	GW	DO
							8020 (µg/L)	8260 (µg/L)						Water (ft TOC)	Elevation (ft MSL)	Reading (mg/L)
V-2	04/28/2005	16,000	970	230	620	3,800	---	---	---	---	---	---	28.80	5.69	23.11	4.55
V-2	08/01/2005	14,000	610	190	450	3,600	---	---	---	---	---	---	28.80	5.25	23.55	---
V-2	10/05/2005	37,000	2,200	680	2,300	8,500	---	---	---	---	---	---	28.80	8.24	20.56	0.75
V-2	01/11/2006	45,000 a	1,900 a	720 a	3,000 a	13,000 a	---	<25 a	<250 a	<25 a	<25 a	<25 a	28.81	6.60	22.21	0.4
V-2	05/26/2006	66,600	1,300	400	2,950	9,700 e	---	<0.500	<10.0	<0.500	<0.500	<0.500	28.81	6.28	22.53	0.28
V-2	08/30/2006	7,290	2,390	750	4,680	17,000	---	---	---	---	---	---	28.81	8.03	20.78	0.37/0.31
V-2	11/08/2006	68,000	1,700	580	3,900	13,000	---	---	---	---	---	---	28.81	8.60	20.21	0.05/0.14
V-2	02/22/2007	57,000	1,300	600	4,000	15,000	---	---	---	---	---	---	28.81	5.88	22.93	1.23/2.50
V-2	05/29/2007	48,000 b, f	2,000	650	3,300	10,000	---	---	---	---	---	---	28.81	6.82	21.99	0.07/0.12
V-2	08/27/2007	55,000 f	1,600	520	2,900	8,000	---	---	---	---	---	---	28.81	8.22	20.59	0.22/0.48
V-2 d	11/08/2007	74,000 f	1,300	500	3,000	9,600	---	---	---	---	---	---	28.81	8.82	19.99	0.87/1.46
V-2	02/20/2008	52,000 f	1,200	560	3,200	12,400	---	---	---	---	---	---	28.81	5.13	23.68	0.16/0.05
V-2	05/01/2008	53,000	960	350	3,000	9,600	---	---	---	---	---	---	28.81	7.25	21.56	0.06/0.05
V-2	08/12/2008	55,000	950	230	2,700	6,030	---	---	---	---	---	---	28.81	8.50	20.31	0.53/1.47
V-2	11/26/2008	71,000	1,400	430	3,900	10,400	---	---	---	---	---	---	28.81	9.08	19.73	0.66/1.62
V-2	02/03/2009	81,000	1,100	340	3,700	11,000	---	---	---	---	---	---	28.81	7.78	21.03	0.48/0.15
V-2	06/02/2009	78,000	920	350	3,500	9,200	---	---	---	---	---	---	28.81	6.90	21.91	0.19/0.26
V-2	11/10/2009	66,000	890	310	3,400	7,900	---	---	---	---	---	---	28.81	8.62	20.19	0.44/0.98
V-2	05/10/2010	28,000	490	160	2,200	4,800	---	---	---	---	---	---	28.81	5.63	23.18	0.18/0.28
V-2	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	28.81	8.49	20.32	---
V-2	12/03/2010	31,000	640	210	2,600	4,300	---	---	---	---	---	---	28.81	7.90	20.91	0.86/1.16
V-2	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	28.81	3.95	24.86	---
V-2	05/31/2011	36,000	510	180	3,600	6,700	---	---	---	---	---	---	28.81	6.55	22.26	0.47/0.92
V-2	12/13/2011	51,000	652	129	3,760	5,040	---	---	---	---	---	---	28.81	7.96	20.85	0.60/1.51
V-2	06/13/2012	44,000	540	150	4,300	5,000	---	---	---	---	---	---	28.81	7.08	21.73	0.91/1.36
V-2	11/19/2012	43,000	530	170	4,100	5,700	---	---	---	---	---	---	28.81	8.73	20.08	0.99/0.82
V-2	05/30/2013	35,000	480	130	3,900	4,000	---	---	---	---	---	---	28.81	7.49	21.32	0.44/1.21
V-2	11/18/2013	45,000	460	140	4,500	4,400	---	---	---	---	---	---	28.81	9.33	19.48	0.19/1.33

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

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

Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8015 unless otherwise noted.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary-butyl ether analyzed as 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

--- = Not analyzed or available

mg/L = Milligrams per liter

(D) = Duplicate sample

a = Sample analyzed outside of EPA recommended holding time.

b = Hydrocarbon does not match pattern of laboratory's standard.

c = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

d = Samples were switched in the field for wells V-1 and V-2 due to field error. Data corrected for this table.

e = Analyte was detected in the associated Method Blank.

f = Analyzed by EPA Method 8015B (M).

g = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Site wells surveyed June 14, 2001 by Virgil Chavez Land Surveying

Site wells surveyed August 13, 2002 by Virgil Chavez Land Surveying

Wells MW-1 through MW-8, V-1, and V-2 surveyed on February 14, 2006 by Virgil Chavez Land Surveying

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

<i>Well ID</i>	<i>Date</i>	<i>TPHg</i> ($\mu\text{g/L}$)	<i>B</i> ($\mu\text{g/L}$)	<i>T</i> ($\mu\text{g/L}$)	<i>E</i> ($\mu\text{g/L}$)	<i>X</i> ($\mu\text{g/L}$)	<i>MTBE</i> 8020 ($\mu\text{g/L}$)	<i>MTBE</i> 8260 ($\mu\text{g/L}$)	<i>TBA</i> ($\mu\text{g/L}$)	<i>DIPE</i> ($\mu\text{g/L}$)	<i>ETBE</i> ($\mu\text{g/L}$)	<i>TAME</i> ($\mu\text{g/L}$)	<i>TOC</i> (ft MSL)	<i>Depth to</i> <i>Water</i> (ft TOC)	<i>GW</i> <i>Elevation</i> (ft MSL)	<i>DO</i> <i>Reading</i> (mg/L)
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Wells MW-12 and MW-14 surveyed on April 19, 2006 by Virgil Chavez Land Surveying

Wells MW-9, MW-10, and MW-11 surveyed on August 18, 2010 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. -
FIELD NOTES

WELL GAUGING DATA

Project # 13118-LWW1

Date 11/12/13

Client SWELL

Site 2753 MARTIN LUTHER KING JR WY, 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 <u>TOC</u>	Notes
MW-1	1230	2					9.11	19.91		
MW-2	1240	2					9.55	18.53		
MW-3	1235	4					9.33	20.00		
MW-4	1235	4					9.13	19.83		
MW-5	1252	4					10.36	19.92		
MW-6	1244	4					9.42	19.97		
MW-7	1239	4					10.41	19.53		
MW-8	1243	4					10.40	19.50		
MW-9	1310	4					10.93	19.60		
MW-10	1305	4					10.42	19.92		
MW-11	1300	4					10.32	19.64		
MW-12	ND	4	ACCESS	BARRED						
MW-14	1200	2					10.41	14.10	TOC	
V-1	1230	2					9.33	13.80		
V-2	1245	2					9.33	13.26		
MW-12	1522	2					11.83	18.82		

SHELL WELL MONITORING DATA SHEET

BTS #: 131118-261	Site: 2703 MLK Oakland CA.
Sampler: J6	Date: 11-18-13
Well I.D.: Mw-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.83	Depth to Water (DTW): 9.13
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.27	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other _____ Dedicated Tubing

$70 \text{ (Gals.)} \times 3 = 21 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1435	65.6	7.26	1247	624	7.0	
		well dewatered			7.5 gallons	
1435	65.5	7.21	1240	319	—	

Did well dewater? Yes No Gallons actually evacuated: 7.5

Sampling Date: 11-18-13 Sampling Time: 1435 Depth to Water: 9.22

Sample I.D.: Mw-4 Laboratory: Test America Other _____

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

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): <u>Pre-purge:</u> 0.27 mg/L	<u>Post-purge:</u> 0.24 mg/L
O.R.P. (if req'd): Pre-purge: mV	Post-purge: mV

SHELL WELL MONITORING DATA SHEET

BTS #: 3118-444	Site: 2703 MLK Oakland CA.
Sampler: JB	Date: 11-18-13
Well I.D.: MW-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.92	Depth to Water (DTW): 10.30
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.27	

Purge Method: Bailer Watera Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

Other: _____

$6.2 \text{ (Gals.)} \times 3 = 18.6 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1330	65.7	7.19	1229	367	6.2	
			Well dewatered @ 6.5 gallons			
1455	65.6	7.18	1219	300	<u>1</u>	

Did well dewater? Yes No Gallons actually evacuated: 6.5

Sampling Date: 11-18-13 Sampling Time: 1455 Depth to Water: 10.70

Sample I.D.: MW-5 Laboratory: Test America Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SO2 CO2

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:	0.34 mg/L	Post-purge:	0.30 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 131119-WW1	Site: 2703 MLC Oakland CA
Sampler: Jo	Date: 11-18-13
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 19.53	Depth to Water (DTW): 10.41
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]: 12.23	

Purge Method: Bailer Watera Sampling Method: Bailer

 Disposable Bailer Peristaltic Disposable Bailer

 Positive Air Displacement Extraction Pump Extraction Port

Electric Submersible Other _____ Dedicated Tubing

Other: _____

$6.0 \text{ (Gals.)} \times 3 = 18 \text{ Gals.}$				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	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
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																	
1 Case Volume	Specified Volumes	Calculated Volume																		

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1255	65.7	7.56	2099	>1000	6.0	
		well dewatered @			6.5 gallons	
1415	65.6	7.42	2074	139	—	

Did well dewater? Yes No Gallons actually evacuated: 6.5

Sampling Date: 11-18-13 Sampling Time: 1415 Depth to Water: 10.77

Sample I.D.: MW-7 Laboratory: Test America Other _____

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

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: 0.19 mg/L	Post-purge: 0.17 mg/L	
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 131119 - MW-2	Site: 2703 mlk Oakland CA
Sampler: Jo	Date: 11-18-13
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 19.56	Depth to Water (DTW): 10.40
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]: 12.22	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

$60 \text{ (Gals.)} \times 3 = 18 \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1305	65.3	7.37	1282	>1000	6.0	
		downed @ 6.5 galls				
1425	65.4	7.34	1291	139	—	

Did well dewater? Yes No Gallons actually evacuated: 6.5

Sampling Date: 11-18-13 Sampling Time: 1425 Depth to Water: 10.56

Sample I.D.: MW-8 Laboratory: Test America Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See 100

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: 0.26 mg/L	Post-purge: 6.22 mg/L
O.R.P. (if req'd): Pre-purge: mV	Post-purge: mV

SHELL WELL MONITORING DATA SHEET

BTS #: 131118-ww1	Site: 2703 Milk Wy, OAKLAND, CA
Sampler: WW	Date: 11/18/13
Well I.D.: MW-9	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.60	Depth to Water (DTW): 10.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.66	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other _____ Dedicated Tubing

5.6 (Gals.) X	3	=	16.8	Gals.	
I 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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1335	68.3	8.62	1225	85	5.6	
1336	64.0	8.48	1979	148	11.2	
WELL DEWATERED				11.5 GALS		
1400	65.0	8.53	1706	121		

Did well dewater? Yes No Gallons actually evacuated: 11.5

Sampling Date: 11/18/13 Sampling Time: 1400 Depth to Water: 11.98

Sample I.D.: MW-9 Laboratory: Pest America Other _____

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

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:	0.37	mg/L	Post-purge:	0.31	mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 13118-ww1	Site: 2203 MILK WY, OAKLAND, CA
Sampler: ww	Date: 11/18/13
Well I.D.: MW-10	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.92	Depth to Water (DTW): 12.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.32	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

6.2 (Gals.) X 3 = 18.6 Gals.
 I 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
1325	66.5	9.34	1308	89	6.3	
well	down after rd		@ 10.5	gals		
1355	64.0	8.56	1298	149		odor

Did well dewater? Yes No Gallons actually evacuated: 10.5

Sampling Date: 11/18/13 Sampling Time: 1355 Depth to Water: 12.32

Sample I.D.: MW-10 Laboratory: Test America Other _____

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

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):	<u>Pre-purge:</u> 0.50 mg/L	<u>Post-purge:</u> 0.52 mg/L
O.R.P. (if req'd):	Pre-purge: mV	Post-purge: mV

SHELL WELL MONITORING DATA SHEET

BTS #: 131118-MW1	Site: 2203 MLK WY, OAKLAND, CA
Sampler: <i>iw</i>	Date: 11/18/13
Well I.D.: MW-11	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.64	Depth to Water (DTW): 10.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.18	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing
 Other: _____

6.1 (Gals.) X 3	= 18.3 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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1313	65.7	10.37	1279	105	6.1	odor
well	DEWATERED @		12 GALS			
1350	63.9	8.68	1282	128	—	

Did well dewater? Yes No Gallons actually evacuated: 12

Sampling Date: 11/18/13 Sampling Time: 1350 Depth to Water: 10.83

Sample I.D.: MW-11 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): <u>Pre-purge:</u>	0.90 mg/L	Post-purge:	0.45 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 1311	Site: 2703 MLK HWY, OAKLAND, CA
Sampler: WW	Date: 11/18/13
Well I.D.: MW-12	Well Diameter: <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8
Total Well Depth (TD): 18.82	Depth to Water (DTW): 11.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC Grade	D.O. Meter (if req'd): <input checked="" type="radio"/> YSI <input type="radio"/> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.23	

Purge Method: <input checked="" type="radio"/> Bailer <input type="radio"/> Disposable Bailer <input type="radio"/> Positive Air Displacement <input type="radio"/> Electric Submersible	Waterra <input type="radio"/> Peristaltic <input type="radio"/> Extraction Pump Other: _____	Sampling Method: <input checked="" type="radio"/> Bailer <input type="radio"/> Disposable Bailer <input type="radio"/> Extraction Port <input type="radio"/> Dedicated Tubing Other: _____
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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
1525	60.7	9.16	512	>1000	1.1	
1527	60.9	9.15	529	>1000	2.2	
1529	61.2	9.05	533	>1000	3.3	

Did well dewater? Yes No Gallons actually evacuated: 3.3

Sampling Date: 11/18/13 Sampling Time: 1535 Depth to Water: 13.15

Sample I.D.: MW-12 Laboratory: Test America Other

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

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

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

D.O. (if req'd): Pre-purge: 0.29 mg/L Post-purge: 0.66 mg/L

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

SHELL WELL MONITORING DATA SHEET

BTS #: 131118-ww1	Site: 2703 MLK WAY, OAKLAND, CA
Sampler: low	Date: 11/18/13
Well I.D.: MW-14	Well Diameter: 2 3 4 6 8 <u>1</u>
Total Well Depth (TD): 14.10	Depth to Water (DTW): 10.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.15	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other new tubing (5/8") Other (5/8") dedicated tubing

calc value *calc value*

0.2 (Gals.) X 3 = 0.6 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	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1433	62.2	8.75	1388	460	0.2	odor, sheen
1434	63.3	8.62	1394	678	0.4	"
1435	63.0	8.52	1387	>1000	0.6	"

Did well dewater? Yes No Gallons actually evacuated: 0.6

Sampling Date: 11/18/13 Sampling Time: 1440 Depth to Water: 11.12

Sample I.D.: 1418/MW-14 Laboratory: Test America Other: _____

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

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

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

D.O. (if req'd): Pre-purge: 0.21 mg/L Post-purge: 0.33 mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: 131113-ww1	Site: 2703 MLK w/pt, OAKLAND, CA
Sampler: ww	Date: 11/18/13
Well I.D.: V-1	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): 13.80	Depth to Water (DTW): 9.33
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.22	

Purge Method: Bailer Disposable Bailer Waterra Peristaltic Extraction Pump Other _____
 Positive Air Displacement Electric Submersible

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other _____

$0.7 \text{ (Gals.)} \times 3 = 2.1 \text{ Gals.}$ <p>1 Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1340	65.1	7.16	1219	7000	0.7	
1342	65.2	7.12	1210	7000	1.4	
1346	65.2	7.11	1207	7000	2.1	

Did well dewater? Yes No Gallons actually evacuated: 2.1

Sampling Date: 11-18-13 Sampling Time: 1350 Depth to Water: 9.70

Sample I.D.: V-1 Laboratory: Test America Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SPR 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): <u>Pre-purge</u> 0.14 mg/L	D.O. (if req'd): <u>Post-purge</u> 0.13 mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	O.R.P. (if req'd): Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: 13118-hw1	Site: 1703 MLK WY, OAKLAND, CA
Sampler: WW	Date: 11/18/13
Well I.D.: V-2	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): 13.26	Depth to Water (DTW): 9.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.12	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

Other: _____

0.6 (Gals.) X	<u>3</u>	<u>=</u>	<u>1.8</u>	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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1454	62.5	9.02	1074	>1000	0.6	odor
1455	62.3	8.96	1059	>1000	1.2	"
1456	62.2	8.91	1060	>1000	1.8	"

Did well dewater? Yes No Gallons actually evacuated: 1.8

Sampling Date: 11/18/13 Sampling Time: 1505 Depth to Water: 10.11

Sample I.D.: V-2 Laboratory: Test America Other: _____

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

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: 0.19 mg/L Post-purge: 1.33 mg/L

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

INCIDENT # 92093397

ADDRESS 2703 MARTIN LUTHER KING JR WY, OAKLAND, GA

DATE: 11/18/13

CITY & STATE OAKLAND, GA

Well ID	Observations Upon Arrival													Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials				
	Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made						
MW-1	Standpipe	Flush	G	P	6 (inch)	Y	N	G	R	G	R	NL	G	P	1/2 TAPS STRIPPED (1/2")	Y	N				
MW-2	Standpipe	Flush	G	P	8 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
MW-3	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
MW-4	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P	2 1/2 tabs Broken 1 1/2 Rottman	Y	N				
MW-5	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
MW-6	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
MW-7	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
MW-8	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
MW-9	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
MW-10	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
MW-11	Standpipe	Flush	G	P	12 (inch)	Y	N	G	R	G	R	NL	G	P		Y	N				
TOTAL # CAPS REPLACED =									0	= TOTAL # OF LOCKS REPLACED				0							
Condition of Soil Boring Patches or Abandoned Monitoring Wells:			G	P	N/A	If POOR, Borings/Well IDs or Location Description:													Y	N	
Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted				Photos of Condition		Repair Date and PM Initials	
NA		G			G			G			Y							Y			
Building		P			P			P			N							Y			
Building w/ Fence Comp.		N/A			N/A			N/A			N/A							Y			
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	
3	Y		Y			G			Y		Y			ON SCHOOL SOCCER FIELD				Y			

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).

WILLIAM WALKER / BLAKE TEAM SERVICES
 Print or type Name of Field Personnel & Consultant Company

INCIDENT # 97093397

ADDRESS 2703 MLK WY, OAKLAND, CA

DATE: 11/10/13

CITY & STATE OAKLAND, CA

Well ID	Observations Upon Arrival													Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition	Repair Date and PM Initials			
	Manway Cover, Type, Condition & Size					Well Labeled/ Painted Property*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad/ Surface Condition						
MW-12	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P	NO ACCESS - GATED	Y	(N)		
MW-44	Standpipe	Flush	G	P	6	Y	N	G	R	G	R	NL	G	P	-1/2 BOLTS (1/2")	Y	(N)		
V-1	Standpipe	Flush	G	P	6	Y	N	G	R	G	R	NL	G	P	-1/2 BOLTS (1/2")	Y	(N)		
V-2	Standpipe	Flush	G	P	6	Y	N	G	R	G	R	NL	G	P		Y	(N)		
MW-12	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													= TOTAL # OF LOCKS REPLACED						
Condition of Soil Boring Patches or Abandoned Monitoring Wells:			G	P	N/A	If POOR, Borings/Well IDs or Location Description:										Y	N		
Remediation Compound Type (Check boxes that apply)		Condition of Enclosure			Condition of Area Inside Enclosure			Compound Security			Emergency Contact Info Visible			Cleaning / Repairs Recommended and Conducted			Photos of Condition	Repair Date and PM Initials	
NA		G			G			G			Y						Y	N	
Building		G			G			G			Y						Y	N	
Building w/ Fence Comp.		G			G			G			Y						Y	N	
Fenced Compound		G			G			G			Y						Y	N	
Trailer		G			G			G			Y						Y	N	
Number of Drums On-site	Does the Label Reveal the Source of the Contents		Labeled Correctly and Writing Legible			Drum Condition			Confirm Drums Related to Environmental		Drums Located to Min Business Interference			Detailed Explanation of Any Issues Resolved			Photos of Drum Condition	Date Drums Removed from Site and PM Initials	
3	Y N N/A		Y N N/A			G P N/A			Y N		Y (N) N/A			DOW SOAKER FIELD OF SCHOOL			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).

WILLIAM WONG / BEAUMTECH SERVICES
Print or type Name of Field Personnel & Consultant Company

APPENDIX B

TESTAMERICA LABORATORIES, INC. -
ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

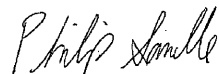
ANALYTICAL REPORT

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

TestAmerica Job ID: 440-63200-1
Client Project/Site: 2703 MLK Jr. Way, Oakland, CA

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

Attn: Peter Schaefer



Authorized for release by:
12/3/2013 12:53:14 PM

Philip Sanelle, Project Manager I
(949)261-1022
philip.sanelle@testamericainc.com

LINKS

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The
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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-63200-1	MW-4	Ground Water	11/18/13 14:35	11/22/13 10:00
440-63200-2	MW-5	Ground Water	11/18/13 14:55	11/22/13 10:00
440-63200-3	MW-6	Ground Water	11/18/13 14:45	11/22/13 10:00
440-63200-4	MW-7	Ground Water	11/18/13 14:15	11/22/13 10:00
440-63200-5	MW-8	Ground Water	11/18/13 14:25	11/22/13 10:00
440-63200-6	MW-9	Ground Water	11/18/13 14:00	11/22/13 10:00
440-63200-7	MW-10	Ground Water	11/18/13 13:55	11/22/13 10:00
440-63200-8	MW-11	Ground Water	11/18/13 13:50	11/22/13 10:00
440-63200-9	MW-12	Ground Water	11/18/13 15:35	11/22/13 10:00
440-63200-10	MW-14	Ground Water	11/18/13 14:40	11/22/13 10:00
440-63200-11	V-1	Ground Water	11/18/13 13:50	11/22/13 10:00
440-63200-12	V-2	Ground Water	11/18/13 15:05	11/22/13 10:00

Case Narrative

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Job ID: 440-63200-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-63200-1

Comments

No additional comments.

Receipt

The samples were received on 11/22/2013 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC/MS VOA

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: MW-4

Lab Sample ID: 440-63200-1

Date Collected: 11/18/13 14:35

Matrix: Ground Water

Date Received: 11/22/13 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)	10000		2000		ug/L			11/30/13 13:45	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		76 - 132		11/30/13 13:45	40
4-Bromofluorobenzene (Surr)	102		80 - 120		11/30/13 13:45	40
Toluene-d8 (Surr)	116		80 - 128		11/30/13 13:45	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2400		20		ug/L			11/30/13 13:45	40
Isopropyl Ether (DIPE)	ND		20		ug/L			11/30/13 13:45	40
Ethyl-t-butyl ether (ETBE)	ND		20		ug/L			11/30/13 13:45	40
Ethylbenzene	43		20		ug/L			11/30/13 13:45	40
Methyl-t-Butyl Ether (MTBE)	ND		20		ug/L			11/30/13 13:45	40
Tert-amyl-methyl ether (TAME)	ND		20		ug/L			11/30/13 13:45	40
tert-Butyl alcohol (TBA)	ND		400		ug/L			11/30/13 13:45	40
Toluene	33		20		ug/L			11/30/13 13:45	40
Xylenes, Total	ND		40		ug/L			11/30/13 13:45	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		11/30/13 13:45	40
Dibromofluoromethane (Surr)	98		76 - 132		11/30/13 13:45	40
Toluene-d8 (Surr)	116		80 - 128		11/30/13 13:45	40

Client Sample ID: MW-5

Lab Sample ID: 440-63200-2

Date Collected: 11/18/13 14:55

Matrix: Ground Water

Date Received: 11/22/13 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)	74000		5000		ug/L			11/30/13 14:13	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	97		76 - 132		11/30/13 14:13	100
4-Bromofluorobenzene (Surr)	104		80 - 120		11/30/13 14:13	100
Toluene-d8 (Surr)	118		80 - 128		11/30/13 14:13	100

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5000		50		ug/L			11/30/13 14:13	100
Isopropyl Ether (DIPE)	ND		50		ug/L			11/30/13 14:13	100
Ethyl-t-butyl ether (ETBE)	ND		50		ug/L			11/30/13 14:13	100
Ethylbenzene	4400		50		ug/L			11/30/13 14:13	100
Methyl-t-Butyl Ether (MTBE)	ND		50		ug/L			11/30/13 14:13	100
Tert-amyl-methyl ether (TAME)	ND		50		ug/L			11/30/13 14:13	100
tert-Butyl alcohol (TBA)	ND		1000		ug/L			11/30/13 14:13	100
Toluene	5300		50		ug/L			11/30/13 14:13	100
Xylenes, Total	24000		100		ug/L			11/30/13 14:13	100

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: MW-5

Lab Sample ID: 440-63200-2

Date Collected: 11/18/13 14:55

Matrix: Ground Water

Date Received: 11/22/13 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		11/30/13 14:13	100
Dibromofluoromethane (Surr)	97		76 - 132		11/30/13 14:13	100
Toluene-d8 (Surr)	118		80 - 128		11/30/13 14:13	100

Client Sample ID: MW-6

Lab Sample ID: 440-63200-3

Date Collected: 11/18/13 14:45

Matrix: Ground Water

Date Received: 11/22/13 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)	3500		500		ug/L			12/01/13 13:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	96		76 - 132		12/01/13 13:03	10
4-Bromofluorobenzene (Surr)	102		80 - 120		12/01/13 13:03	10
Toluene-d8 (Surr)	119		80 - 128		12/01/13 13:03	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	460		5.0		ug/L			12/01/13 13:03	10
Isopropyl Ether (DIPE)	ND		5.0		ug/L			12/01/13 13:03	10
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/L			12/01/13 13:03	10
Ethylbenzene	150		5.0		ug/L			12/01/13 13:03	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/L			12/01/13 13:03	10
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/L			12/01/13 13:03	10
tert-Butyl alcohol (TBA)	ND		100		ug/L			12/01/13 13:03	10
Toluene	15		5.0		ug/L			12/01/13 13:03	10
Xylenes, Total	130		10		ug/L			12/01/13 13:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		12/01/13 13:03	10
Dibromofluoromethane (Surr)	96		76 - 132		12/01/13 13:03	10
Toluene-d8 (Surr)	119		80 - 128		12/01/13 13:03	10

Client Sample ID: MW-7

Lab Sample ID: 440-63200-4

Date Collected: 11/18/13 14:15

Matrix: Ground Water

Date Received: 11/22/13 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)	3700		500		ug/L			11/30/13 16:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		76 - 132		11/30/13 16:05	10
4-Bromofluorobenzene (Surr)	100		80 - 120		11/30/13 16:05	10
Toluene-d8 (Surr)	120		80 - 128		11/30/13 16:05	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	620		5.0		ug/L			11/30/13 16:05	10

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: MW-7

Lab Sample ID: 440-63200-4

Date Collected: 11/18/13 14:15

Matrix: Ground Water

Date Received: 11/22/13 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl Ether (DIPE)	ND		5.0		ug/L			11/30/13 16:05	10
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/L			11/30/13 16:05	10
Ethylbenzene	7.8		5.0		ug/L			11/30/13 16:05	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/L			11/30/13 16:05	10
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/L			11/30/13 16:05	10
tert-Butyl alcohol (TBA)	ND		100		ug/L			11/30/13 16:05	10
Toluene	5.4		5.0		ug/L			11/30/13 16:05	10
Xylenes, Total	130		10		ug/L			11/30/13 16:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		11/30/13 16:05	10
Dibromofluoromethane (Surr)	95		76 - 132		11/30/13 16:05	10
Toluene-d8 (Surr)	120		80 - 128		11/30/13 16:05	10

Client Sample ID: MW-8

Lab Sample ID: 440-63200-5

Date Collected: 11/18/13 14:25

Matrix: Ground Water

Date Received: 11/22/13 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)	11000		200		ug/L			11/30/13 16:32	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	91		76 - 132		11/30/13 16:32	4
4-Bromofluorobenzene (Surr)	102		80 - 120		11/30/13 16:32	4
Toluene-d8 (Surr)	120		80 - 128		11/30/13 16:32	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	240		2.0		ug/L			11/30/13 16:32	4
Isopropyl Ether (DIPE)	ND		2.0		ug/L			11/30/13 16:32	4
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			11/30/13 16:32	4
Ethylbenzene	11		2.0		ug/L			11/30/13 16:32	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/L			11/30/13 16:32	4
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			11/30/13 16:32	4
tert-Butyl alcohol (TBA)	ND		40		ug/L			11/30/13 16:32	4
Toluene	8.2		2.0		ug/L			11/30/13 16:32	4
Xylenes, Total	630		4.0		ug/L			11/30/13 16:32	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		11/30/13 16:32	4
Dibromofluoromethane (Surr)	91		76 - 132		11/30/13 16:32	4
Toluene-d8 (Surr)	120		80 - 128		11/30/13 16:32	4

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: MW-9

Lab Sample ID: 440-63200-6

Date Collected: 11/18/13 14:00

Matrix: Ground Water

Date Received: 11/22/13 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)	760		500		ug/L			11/30/13 17:00	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		76 - 132		11/30/13 17:00	10
4-Bromofluorobenzene (Surr)	96		80 - 120		11/30/13 17:00	10
Toluene-d8 (Surr)	117		80 - 128		11/30/13 17:00	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/L			11/30/13 17:00	10
Ethylbenzene	19		5.0		ug/L			11/30/13 17:00	10
Toluene	ND		5.0		ug/L			11/30/13 17:00	10
Xylenes, Total	ND		10		ug/L			11/30/13 17:00	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		11/30/13 17:00	10
Dibromofluoromethane (Surr)	95		76 - 132		11/30/13 17:00	10
Toluene-d8 (Surr)	117		80 - 128		11/30/13 17:00	10

Client Sample ID: MW-10

Lab Sample ID: 440-63200-7

Date Collected: 11/18/13 13:55

Matrix: Ground Water

Date Received: 11/22/13 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)	5400		500		ug/L			11/30/13 17:28	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		76 - 132		11/30/13 17:28	10
4-Bromofluorobenzene (Surr)	100		80 - 120		11/30/13 17:28	10
Toluene-d8 (Surr)	117		80 - 128		11/30/13 17:28	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.8		5.0		ug/L			11/30/13 17:28	10
Ethylbenzene	150		5.0		ug/L			11/30/13 17:28	10
Toluene	ND		5.0		ug/L			11/30/13 17:28	10
Xylenes, Total	19		10		ug/L			11/30/13 17:28	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		11/30/13 17:28	10
Dibromofluoromethane (Surr)	95		76 - 132		11/30/13 17:28	10
Toluene-d8 (Surr)	117		80 - 128		11/30/13 17:28	10

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: MW-11

Lab Sample ID: 440-63200-8

Date Collected: 11/18/13 13:50

Matrix: Ground Water

Date Received: 11/22/13 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			11/30/13 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	97		76 - 132					11/30/13 12:22	1
4-Bromofluorobenzene (Surr)	96		80 - 120					11/30/13 12:22	1
Toluene-d8 (Surr)	118		80 - 128					11/30/13 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/30/13 12:22	1
Ethylbenzene	ND		0.50		ug/L			11/30/13 12:22	1
Toluene	ND		0.50		ug/L			11/30/13 12:22	1
Xylenes, Total	ND		1.0		ug/L			11/30/13 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120					11/30/13 12:22	1
Dibromofluoromethane (Surr)	97		76 - 132					11/30/13 12:22	1
Toluene-d8 (Surr)	118		80 - 128					11/30/13 12:22	1

Client Sample ID: MW-12

Lab Sample ID: 440-63200-9

Date Collected: 11/18/13 15:35

Matrix: Ground Water

Date Received: 11/22/13 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			11/30/13 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		76 - 132					11/30/13 17:56	1
4-Bromofluorobenzene (Surr)	94		80 - 120					11/30/13 17:56	1
Toluene-d8 (Surr)	118		80 - 128					11/30/13 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			11/30/13 17:56	1
Ethylbenzene	ND		0.50		ug/L			11/30/13 17:56	1
Toluene	ND		0.50		ug/L			11/30/13 17:56	1
Xylenes, Total	ND		1.0		ug/L			11/30/13 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		80 - 120					11/30/13 17:56	1
Dibromofluoromethane (Surr)	100		76 - 132					11/30/13 17:56	1
Toluene-d8 (Surr)	118		80 - 128					11/30/13 17:56	1

Client Sample ID: MW-14

Lab Sample ID: 440-63200-10

Date Collected: 11/18/13 14:40

Matrix: Ground Water

Date Received: 11/22/13 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)	33000		1000		ug/L			12/01/13 13:31	20

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: MW-14

Lab Sample ID: 440-63200-10

Date Collected: 11/18/13 14:40

Matrix: Ground Water

Date Received: 11/22/13 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	96		76 - 132		12/01/13 13:31	20
4-Bromofluorobenzene (Surr)	103		80 - 120		12/01/13 13:31	20
Toluene-d8 (Surr)	120		80 - 128		12/01/13 13:31	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1200		10		ug/L			12/01/13 13:31	20
Isopropyl Ether (DIPE)	16		10		ug/L			12/01/13 13:31	20
Ethyl-t-butyl ether (ETBE)	ND		10		ug/L			12/01/13 13:31	20
Ethylbenzene	2700		10		ug/L			12/01/13 13:31	20
Methyl-t-Butyl Ether (MTBE)	ND		10		ug/L			12/01/13 13:31	20
Tert-amyl-methyl ether (TAME)	ND		10		ug/L			12/01/13 13:31	20
tert-Butyl alcohol (TBA)	ND		200		ug/L			12/01/13 13:31	20
Toluene	23		10		ug/L			12/01/13 13:31	20
Xylenes, Total	950		20		ug/L			12/01/13 13:31	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		12/01/13 13:31	20
Dibromofluoromethane (Surr)	96		76 - 132		12/01/13 13:31	20
Toluene-d8 (Surr)	120		80 - 128		12/01/13 13:31	20

Client Sample ID: V-1

Lab Sample ID: 440-63200-11

Date Collected: 11/18/13 13:50

Matrix: Ground Water

Date Received: 11/22/13 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)	610		50		ug/L			12/01/13 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		76 - 132		12/01/13 13:59	1
4-Bromofluorobenzene (Surr)	99		80 - 120		12/01/13 13:59	1
Toluene-d8 (Surr)	118		80 - 128		12/01/13 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.7		0.50		ug/L			12/01/13 13:59	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			12/01/13 13:59	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			12/01/13 13:59	1
Ethylbenzene	1.5		0.50		ug/L			12/01/13 13:59	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			12/01/13 13:59	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			12/01/13 13:59	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			12/01/13 13:59	1
Toluene	ND		0.50		ug/L			12/01/13 13:59	1
Xylenes, Total	ND		1.0		ug/L			12/01/13 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		12/01/13 13:59	1
Dibromofluoromethane (Surr)	95		76 - 132		12/01/13 13:59	1
Toluene-d8 (Surr)	118		80 - 128		12/01/13 13:59	1

TestAmerica Irvine

Client Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: V-2

Lab Sample ID: 440-63200-12

Date Collected: 11/18/13 15:05

Matrix: Ground Water

Date Received: 11/22/13 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)	45000		2000		ug/L			11/30/13 19:19	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	96		76 - 132		11/30/13 19:19	40
4-Bromofluorobenzene (Surr)	100		80 - 120		11/30/13 19:19	40
Toluene-d8 (Surr)	119		80 - 128		11/30/13 19:19	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	460		20		ug/L			11/30/13 19:19	40
Ethylbenzene	4500		20		ug/L			11/30/13 19:19	40
Toluene	140		20		ug/L			11/30/13 19:19	40
Xylenes, Total	4400		40		ug/L			11/30/13 19:19	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		11/30/13 19:19	40
Dibromofluoromethane (Surr)	96		76 - 132		11/30/13 19:19	40
Toluene-d8 (Surr)	119		80 - 128		11/30/13 19:19	40

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8260B/CA_LUFTM	Volatile Organic Compounds by GC/MS	SW846	TAL IRV

S

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: MW-4

Lab Sample ID: 440-63200-1

Date Collected: 11/18/13 14:35

Matrix: Ground Water

Date Received: 11/22/13 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		40	10 mL	10 mL	147743	11/30/13 13:45	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		40	10 mL	10 mL	147744	11/30/13 13:45	MR	TAL IRV

Client Sample ID: MW-5

Lab Sample ID: 440-63200-2

Date Collected: 11/18/13 14:55

Matrix: Ground Water

Date Received: 11/22/13 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		100	10 mL	10 mL	147743	11/30/13 14:13	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		100	10 mL	10 mL	147744	11/30/13 14:13	MR	TAL IRV

Client Sample ID: MW-6

Lab Sample ID: 440-63200-3

Date Collected: 11/18/13 14:45

Matrix: Ground Water

Date Received: 11/22/13 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		10	10 mL	10 mL	147772	12/01/13 13:03	AT	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		10	10 mL	10 mL	147773	12/01/13 13:03	AT	TAL IRV

Client Sample ID: MW-7

Lab Sample ID: 440-63200-4

Date Collected: 11/18/13 14:15

Matrix: Ground Water

Date Received: 11/22/13 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		10	10 mL	10 mL	147743	11/30/13 16:05	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		10	10 mL	10 mL	147744	11/30/13 16:05	MR	TAL IRV

Client Sample ID: MW-8

Lab Sample ID: 440-63200-5

Date Collected: 11/18/13 14:25

Matrix: Ground Water

Date Received: 11/22/13 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		4	10 mL	10 mL	147743	11/30/13 16:32	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		4	10 mL	10 mL	147744	11/30/13 16:32	MR	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: MW-9

Lab Sample ID: 440-63200-6

Date Collected: 11/18/13 14:00

Matrix: Ground Water

Date Received: 11/22/13 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		10	10 mL	10 mL	147743	11/30/13 17:00	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		10	10 mL	10 mL	147744	11/30/13 17:00	MR	TAL IRV

Client Sample ID: MW-10

Lab Sample ID: 440-63200-7

Date Collected: 11/18/13 13:55

Matrix: Ground Water

Date Received: 11/22/13 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		10	10 mL	10 mL	147743	11/30/13 17:28	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		10	10 mL	10 mL	147744	11/30/13 17:28	MR	TAL IRV

Client Sample ID: MW-11

Lab Sample ID: 440-63200-8

Date Collected: 11/18/13 13:50

Matrix: Ground Water

Date Received: 11/22/13 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	147743	11/30/13 12:22	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		1	10 mL	10 mL	147744	11/30/13 12:22	MR	TAL IRV

Client Sample ID: MW-12

Lab Sample ID: 440-63200-9

Date Collected: 11/18/13 15:35

Matrix: Ground Water

Date Received: 11/22/13 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	147743	11/30/13 17:56	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		1	10 mL	10 mL	147744	11/30/13 17:56	MR	TAL IRV

Client Sample ID: MW-14

Lab Sample ID: 440-63200-10

Date Collected: 11/18/13 14:40

Matrix: Ground Water

Date Received: 11/22/13 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		20	10 mL	10 mL	147772	12/01/13 13:31	AT	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTM S		20	10 mL	10 mL	147773	12/01/13 13:31	AT	TAL IRV

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

Client Sample ID: V-1

Lab Sample ID: 440-63200-11

Date Collected: 11/18/13 13:50

Matrix: Ground Water

Date Received: 11/22/13 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	147772	12/01/13 13:59	AT	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	147773	12/01/13 13:59	AT	TAL IRV

Client Sample ID: V-2

Lab Sample ID: 440-63200-12

Date Collected: 11/18/13 15:05

Matrix: Ground Water

Date Received: 11/22/13 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		40	10 mL	10 mL	147743	11/30/13 19:19	MR	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		40	10 mL	10 mL	147744	11/30/13 19:19	MR	TAL IRV

Laboratory References:

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

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

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

Lab Sample ID: MB 440-147743/4

Matrix: Water

Analysis Batch: 147743

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.50		ug/L			11/30/13 10:58	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			11/30/13 10:58	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			11/30/13 10:58	1
Ethylbenzene	ND		0.50		ug/L			11/30/13 10:58	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/30/13 10:58	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			11/30/13 10:58	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			11/30/13 10:58	1
Toluene	ND		0.50		ug/L			11/30/13 10:58	1
Xylenes, Total	ND		1.0		ug/L			11/30/13 10:58	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	97		80 - 120		11/30/13 10:58	1
Dibromofluoromethane (Surr)	101		76 - 132		11/30/13 10:58	1
Toluene-d8 (Surr)	116		80 - 128		11/30/13 10:58	1

Lab Sample ID: LCS 440-147743/5

Matrix: Water

Analysis Batch: 147743

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	25.0	27.2		ug/L		109	68 - 130
Isopropyl Ether (DIPE)	25.0	26.9		ug/L		108	58 - 139
Ethyl-t-butyl ether (ETBE)	25.0	27.3		ug/L		109	60 - 136
Ethylbenzene	25.0	30.4		ug/L		121	70 - 130
m,p-Xylene	50.0	60.7		ug/L		121	70 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	28.4		ug/L		113	63 - 131
o-Xylene	25.0	28.0		ug/L		112	70 - 130
Tert-amyl-methyl ether (TAME)	25.0	25.8		ug/L		103	57 - 139
tert-Butyl alcohol (TBA)	125	134		ug/L		107	70 - 130
Toluene	25.0	30.7		ug/L		123	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	99		76 - 132
Toluene-d8 (Surr)	116		80 - 128

Lab Sample ID: 440-63200-8 MS

Matrix: Ground Water

Analysis Batch: 147743

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Benzene	ND		25.0	25.5		ug/L		102	66 - 130
Isopropyl Ether (DIPE)	ND		25.0	24.9		ug/L		100	64 - 138
Ethyl-t-butyl ether (ETBE)	ND		25.0	25.6		ug/L		102	70 - 130
Ethylbenzene	ND		25.0	28.1		ug/L		112	70 - 130
m,p-Xylene	ND		50.0	56.4		ug/L		113	70 - 133
Methyl-t-Butyl Ether (MTBE)	ND		25.0	26.4		ug/L		105	70 - 130

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

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

Lab Sample ID: 440-63200-8 MS

Client Sample ID: MW-11

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 147743

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
o-Xylene	ND		25.0	25.9		ug/L		104	70 - 133
Tert-amyl-methyl ether (TAME)	ND		25.0	24.3		ug/L		97	68 - 133
tert-Butyl alcohol (TBA)	ND		125	131		ug/L		105	70 - 130
Toluene	ND		25.0	27.6		ug/L		111	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	100		76 - 132
Toluene-d8 (Surr)	114		80 - 128

Lab Sample ID: 440-63200-8 MSD

Client Sample ID: MW-11

Matrix: Ground Water

Prep Type: Total/NA

Analysis Batch: 147743

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	ND		25.0	25.0		ug/L		100	66 - 130	2	20
Isopropyl Ether (DIPE)	ND		25.0	24.9		ug/L		99	64 - 138	0	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	26.3		ug/L		105	70 - 130	3	25
Ethylbenzene	ND		25.0	27.0		ug/L		108	70 - 130	4	20
m,p-Xylene	ND		50.0	55.4		ug/L		111	70 - 133	2	25
Methyl-t-Butyl Ether (MTBE)	ND		25.0	27.0		ug/L		108	70 - 130	2	25
o-Xylene	ND		25.0	25.6		ug/L		102	70 - 133	1	20
Tert-amyl-methyl ether (TAME)	ND		25.0	24.2		ug/L		97	68 - 133	0	30
tert-Butyl alcohol (TBA)	ND		125	123		ug/L		99	70 - 130	6	25
Toluene	ND		25.0	27.7		ug/L		111	70 - 130	0	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	99		76 - 132
Toluene-d8 (Surr)	116		80 - 128

Lab Sample ID: MB 440-147772/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 147772

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.50		ug/L			12/01/13 10:16	1
Isopropyl Ether (DIPE)	ND		0.50		ug/L			12/01/13 10:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.50		ug/L			12/01/13 10:16	1
Ethylbenzene	ND		0.50		ug/L			12/01/13 10:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			12/01/13 10:16	1
Tert-amyl-methyl ether (TAME)	ND		0.50		ug/L			12/01/13 10:16	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			12/01/13 10:16	1
Toluene	ND		0.50		ug/L			12/01/13 10:16	1
Xylenes, Total	ND		1.0		ug/L			12/01/13 10:16	1

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

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

Lab Sample ID: MB 440-147772/4

Matrix: Water

Analysis Batch: 147772

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	93		80 - 120		12/01/13 10:16	1
Dibromofluoromethane (Surr)	102		76 - 132		12/01/13 10:16	1
Toluene-d8 (Surr)	117		80 - 128		12/01/13 10:16	1

Lab Sample ID: LCS 440-147772/5

Matrix: Water

Analysis Batch: 147772

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	25.0	25.1		ug/L		101	68 - 130
Isopropyl Ether (DIPE)	25.0	25.2		ug/L		101	58 - 139
Ethyl-t-butyl ether (ETBE)	25.0	24.7		ug/L		99	60 - 136
Ethylbenzene	25.0	28.3		ug/L		113	70 - 130
m,p-Xylene	50.0	55.9		ug/L		112	70 - 130
Methyl-t-Butyl Ether (MTBE)	25.0	25.6		ug/L		102	63 - 131
o-Xylene	25.0	25.6		ug/L		102	70 - 130
Tert-amyl-methyl ether (TAME)	25.0	22.9		ug/L		92	57 - 139
tert-Butyl alcohol (TBA)	125	128		ug/L		103	70 - 130
Toluene	25.0	27.4		ug/L		109	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		76 - 132
Toluene-d8 (Surr)	117		80 - 128

Lab Sample ID: 440-63434-B-2 MS

Matrix: Water

Analysis Batch: 147772

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzene	ND		25.0	25.5		ug/L		102	66 - 130
Isopropyl Ether (DIPE)	ND		25.0	25.6		ug/L		102	64 - 138
Ethyl-t-butyl ether (ETBE)	ND		25.0	26.5		ug/L		106	70 - 130
Ethylbenzene	ND		25.0	28.3		ug/L		113	70 - 130
m,p-Xylene	ND		50.0	56.0		ug/L		112	70 - 133
Methyl-t-Butyl Ether (MTBE)	2.7		25.0	31.2		ug/L		114	70 - 130
o-Xylene	ND		25.0	25.9		ug/L		103	70 - 133
Tert-amyl-methyl ether (TAME)	ND		25.0	25.0		ug/L		100	68 - 133
tert-Butyl alcohol (TBA)	ND		125	128		ug/L		103	70 - 130
Toluene	ND		25.0	28.5		ug/L		114	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	104		76 - 132
Toluene-d8 (Surr)	116		80 - 128

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

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

Lab Sample ID: 440-63434-B-2 MSD

Matrix: Water

Analysis Batch: 147772

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	25.9		ug/L		103	66 - 130	1	20
Isopropyl Ether (DIPE)	ND		25.0	26.1		ug/L		104	64 - 138	2	25
Ethyl-t-butyl ether (ETBE)	ND		25.0	25.6		ug/L		103	70 - 130	3	25
Ethylbenzene	ND		25.0	28.5		ug/L		114	70 - 130	1	20
m,p-Xylene	ND		50.0	57.2		ug/L		114	70 - 133	2	25
Methyl-t-Butyl Ether (MTBE)	2.7		25.0	30.2		ug/L		110	70 - 130	3	25
o-Xylene	ND		25.0	26.4		ug/L		106	70 - 133	2	20
Tert-amyl-methyl ether (TAME)	ND		25.0	24.8		ug/L		99	68 - 133	1	30
tert-Butyl alcohol (TBA)	ND		125	124		ug/L		100	70 - 130	3	25
Toluene	ND		25.0	28.6		ug/L		114	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	100		76 - 132
Toluene-d8 (Surr)	116		80 - 128

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

Lab Sample ID: MB 440-147744/4

Matrix: Water

Analysis Batch: 147744

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			11/30/13 10:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		76 - 132		11/30/13 10:58	1
4-Bromofluorobenzene (Surr)	97		80 - 120		11/30/13 10:58	1
Toluene-d8 (Surr)	116		80 - 128		11/30/13 10:58	1

Lab Sample ID: LCS 440-147744/6

Matrix: Water

Analysis Batch: 147744

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	438		ug/L		88	55 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	98		76 - 132
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	121		80 - 128

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

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

Lab Sample ID: 440-63200-8 MS

Matrix: Ground Water

Analysis Batch: 147744

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1760		ug/L		102	50 - 145
Surrogate	%Recovery	Qualifier	Limits						
Dibromofluoromethane (Surr)	100		76 - 132						
4-Bromofluorobenzene (Surr)	106		80 - 120						
Toluene-d8 (Surr)	114		80 - 128						

Lab Sample ID: 440-63200-8 MSD

Matrix: Ground Water

Analysis Batch: 147744

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD
	Result	Qualifier	Added	Result	Qualifier					
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1770		ug/L		103	50 - 145	1 20
Surrogate	%Recovery	Qualifier	Limits							
Dibromofluoromethane (Surr)	99		76 - 132							
4-Bromofluorobenzene (Surr)	103		80 - 120							
Toluene-d8 (Surr)	116		80 - 128							

Lab Sample ID: MB 440-147773/4

Matrix: Water

Analysis Batch: 147773

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			12/01/13 10:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		76 - 132					12/01/13 10:16	1
4-Bromofluorobenzene (Surr)	93		80 - 120					12/01/13 10:16	1
Toluene-d8 (Surr)	117		80 - 128					12/01/13 10:16	1

Lab Sample ID: LCS 440-147773/6

Matrix: Water

Analysis Batch: 147773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				
Volatile Fuel Hydrocarbons (C4-C12)	500	407		ug/L		81	55 - 130
Surrogate	%Recovery	Qualifier	Limits				
Dibromofluoromethane (Surr)	100		76 - 132				
4-Bromofluorobenzene (Surr)	101		80 - 120				
Toluene-d8 (Surr)	120		80 - 128				

TestAmerica Irvine

QC Sample Results

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

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

Lab Sample ID: 440-63434-B-2 MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 147773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1880		ug/L		107	50 - 145

Surrogate	MS %Recovery	MS Qualifier	MS Limits
Dibromofluoromethane (Surr)	104		76 - 132
4-Bromofluorobenzene (Surr)	105		80 - 120
Toluene-d8 (Surr)	116		80 - 128

Lab Sample ID: 440-63434-B-2 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 147773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1830		ug/L		104	50 - 145	3	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
Dibromofluoromethane (Surr)	100		76 - 132
4-Bromofluorobenzene (Surr)	106		80 - 120
Toluene-d8 (Surr)	116		80 - 128

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
 Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

GC/MS VOA

Analysis Batch: 147743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-63200-1	MW-4	Total/NA	Ground Water	8260B	
440-63200-2	MW-5	Total/NA	Ground Water	8260B	
440-63200-4	MW-7	Total/NA	Ground Water	8260B	
440-63200-5	MW-8	Total/NA	Ground Water	8260B	
440-63200-6	MW-9	Total/NA	Ground Water	8260B	
440-63200-7	MW-10	Total/NA	Ground Water	8260B	
440-63200-8	MW-11	Total/NA	Ground Water	8260B	
440-63200-8 MS	MW-11	Total/NA	Ground Water	8260B	
440-63200-8 MSD	MW-11	Total/NA	Ground Water	8260B	
440-63200-9	MW-12	Total/NA	Ground Water	8260B	
440-63200-12	V-2	Total/NA	Ground Water	8260B	
LCS 440-147743/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-147743/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 147744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-63200-1	MW-4	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-2	MW-5	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-4	MW-7	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-5	MW-8	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-6	MW-9	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-7	MW-10	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-8	MW-11	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-8 MS	MW-11	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-8 MSD	MW-11	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-9	MW-12	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-12	V-2	Total/NA	Ground Water	8260B/CA_LUFT MS	
LCS 440-147744/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-147744/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 147772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-63200-3	MW-6	Total/NA	Ground Water	8260B	
440-63200-10	MW-14	Total/NA	Ground Water	8260B	
440-63200-11	V-1	Total/NA	Ground Water	8260B	
440-63434-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
440-63434-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-147772/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-147772/4	Method Blank	Total/NA	Water	8260B	

QC Association Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

GC/MS VOA (Continued)

Analysis Batch: 147773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-63200-3	MW-6	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-10	MW-14	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63200-11	V-1	Total/NA	Ground Water	8260B/CA_LUFT MS	
440-63434-B-2 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-63434-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-147773/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-147773/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

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)
Dil Fac	Dilution Factor
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)
NC	Not Calculated
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: 2703 MLK Jr. Way, Oakland, CA

TestAmerica Job ID: 440-63200-1

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	06-30-14
Arizona	State Program	9	AZ0671	10-13-14
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	01-23-14 *
Hawaii	State Program	9	N/A	01-31-14
Nevada	State Program	9	CA015312007A	07-31-14
New Mexico	State Program	6	N/A	01-31-14
Northern Mariana Islands	State Program	9	MP0002	01-31-14
Oregon	NELAP	10	4005	09-12-14
USDA	Federal		P330-09-00080	06-06-14
USEPA UCMR	Federal	1	CA01531	01-31-15

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Irvine

00 11/22/13

440-63200



Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- CALSCIENCE ()
- SPL Houston ()
- XENCO ()
- TEST AMERICA (IRVINE)
- OTHER ()

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SO&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: 240781 Peter Schaefer

INCIDENT # (ENV SERVICES) 9 7 0 9 3 3 9 7

PO # _____ SAP # _____

DATE 11-18-13

PAGE 1 of 2

SAMPLING COMPANY: Blaine Tech Services

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

TELEPHONE: (310) 885-4455 x 108 FAX: (310) 637-5802 EMAIL: lking@blainetech.com

LOC CODE: BTSS

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

LA - RWQCB REPORT FORMAT UST AGENCY:

SITE ADDRESS, Street and City: 2703 Martin Luther King Jr. Way, Oakland CA

GLOBAL ID NO.: TD800101876

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

PHONE NO: 510-420-3343

EMAIL: ShellEDF@CRAWorld.com, Shell-US-LabDataManagement@CRAWorld.com

CONSULTANT PROJECT NO: 240781-05-11.02

SAMPLER NAME(S) (Print): W. Wang / J. Ortiz

LAB USE ONLY

SPECIAL INSTRUCTIONS OR NOTES:

1) Please upload the "CRA EQulS 4-file EDD" to the CRA Website (http://cralabupload.craworld.com/equls/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

REQUESTED ANALYSIS

TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8016H)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 6 OX'g (MTBE, TBA, DIPE, TAME, ETBE) (8260B)	VOCs Full list (8260B)	Single Compound: (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	TEMPERATURE ON RECEIPT, (C) 43/35
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LAB USE ONLY	SAMPLE ID				TIME	MATRIX	PRESERVATIVE					NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8016H)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 6 OX'g (MTBE, TBA, DIPE, TAME, ETBE) (8260B)	VOCs Full list (8260B)	Single Compound: (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID			HCL	HNO3	H2SO4	NONE	OTHER														
	WG	131119-444	111813	JD			MW-4	1435	WG	3															
			JD	MW-5	1455		3				X					X									
			JD	MW-6	1445		3				X					X									
			JD	MW-7	1415		3				X					X									
			JD	MW-8	1425		3				X					X									
			WW	MW-9	1400		3				X	X													
			WW	MW-10	1355		3				X	X													
			WW	MW-11	1350		3				X	X													
			WW	MW-12	1535		3				X	X													
			WW	MW-14	1440		3				X				X										

Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i> SAMEE CUSTODIAN	Date: 11/18/13	Time:
Relinquished by (Signature): <i>[Signature]</i> sample custodian	Received by (Signature): <i>[Signature]</i> TAP	Date: 11/21/13	Time: 1000
Relinquished by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i> Joan Mueller	Date: 11/21/13	Time: 1120
	2nd Rec'd by: Vu Baner	Date: 11/22/13	Time: 10:00



440-63200 Chain of Custody

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12/31/2013

LAB (LOCATION)

- CALSCIENCE ()
- SPL Houston ()
- XENCO ()
- TEST AMERICA (IRVINE)
- OTHER ()



Shell Oil Products Chain Of Custody Record

440-63200

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA S&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER	

Print Bill To Contact Name: 240781 Peter Schaefer

INCIDENT # (ENV SERVICES) 9 7 0 9 3 3 9 7

PO # _____ SAP # _____

DATE: 11-18-13

PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

EMAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland 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

GLOBAL ID NO.: T0600101876

CONSULTANT PROJECT NO.: 240781-95-11.02

SAMPLER NAME(S) (Print): W. Wang / J. Ortiz

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:

REQUESTED ANALYSIS

SPECIAL INSTRUCTIONS OR NOTES:

1) Please upload the "CRA EQUIS 4-file EDD" to the CRA Website (http://cralabeddupload.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.

TEMPERATURE ON RECEIPT: (CS) 4.3/3.5°

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

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

LAB USE ONLY	SAMPLE ID					TIME	MATRIX	PRESERVATIVE					NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8016M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) (8260B)	VOCs Full list (8260B)	Single Compound: (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8016B)	Container PID Readings or Laboratory Notes		
	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	HCL			HNO3	H2SO4	NONE	OTHER																	
WG	12119-142	11/18/13	JO	V-1	1350	UG						3	X															
V	V	V	WW	V-2	1505	V						3	X															

Relinquished by (Signature): [Signature] Date: 11/18/13

Received by (Signature): [Signature] SAMPLE CUSTODIAN Date: 11/21/13

Relinquished by (Signature): [Signature] Date: 11/21/13

Received by (Signature): [Signature] ITAP Date: 11/21/13

Relinquished by (Signature): [Signature] Date: 11/21/13

Received by (Signature): [Signature] Date: 11/21/13

11-21-13 1845

22nd Rec'd by: V. Bameri 11/22/13 10:00

11/23/2013

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-63200-1

Login Number: 63200

List Source: TestAmerica Irvine

List Number: 1

Creator: Chavez, Elizabeth

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