CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: August 2, 2012

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
8:36 am, Aug 06, 2012
Alameda County
Environmental Health

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

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- ☐ Mail
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Second Quarter 2012

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

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

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

Completed by: Peter Schaefer Signed: Peter Schaefer

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

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

Re: Former Shell Service Station
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.

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

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT - SECOND QUARTER 2012

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

SAP CODE	129449
INCIDENT NO.	97093397
AGENCY NO.	RO0000145

Prepared by:
Conestoga-Rovers & Associates

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

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AUGUST 2, 2012
REF. NO. 240781 (24)
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LIST OF APPENDICES

1.0 INTRODUCTION

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

1.1 SITE INFORMATION

Site Address	2703 Martin Luther King Jr. Way, Oakland
Site Use	Auto repair shop
Shell Project Manager	Denis Brown
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 January 10, 2012.

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 April 18, 2012, CRA drilled five shallow soil borings at 663 28th Street, Oakland as proposed in our October 5, 2010 *Subsurface Investigation Work Plan*. Lead concentrations in shallow soil samples collected during the investigation exceeded the revised California Human Health Screening Level for total lead in soil with residential land use developed by the California Office of Environmental Health Hazard Assessment

(September 23, 2010). CRA submitted a report detailing the investigation results on July 19, 2012.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northwesterly to Southerly
Hydraulic Gradient	Variable
Depth to Water	6.90 to 10.41 feet below top of well casing

2.3 PROPOSED ACTIVITIES

As requested during Shell's and CRA's March 28, 2012 meeting with Alameda County Environmental Health, CRA submitted a work plan for an additional down-gradient subsurface investigation on July 19, 2012.

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.

Based on the recent off-site shallow soil investigation results, we will implement the shallow excavation proposed in our March 4, 2011 *Subsurface Investigation Report and Revised Remedial Action Plan* with an expanded footprint extending onto the 663 28th Street, Oakland property. Excavation activities have tentatively been scheduled during the fourth quarter 2012.

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

Peter Schaefer, CHG, CEG

Aubrey K. Cool, PG

FIGURES

09/16/10

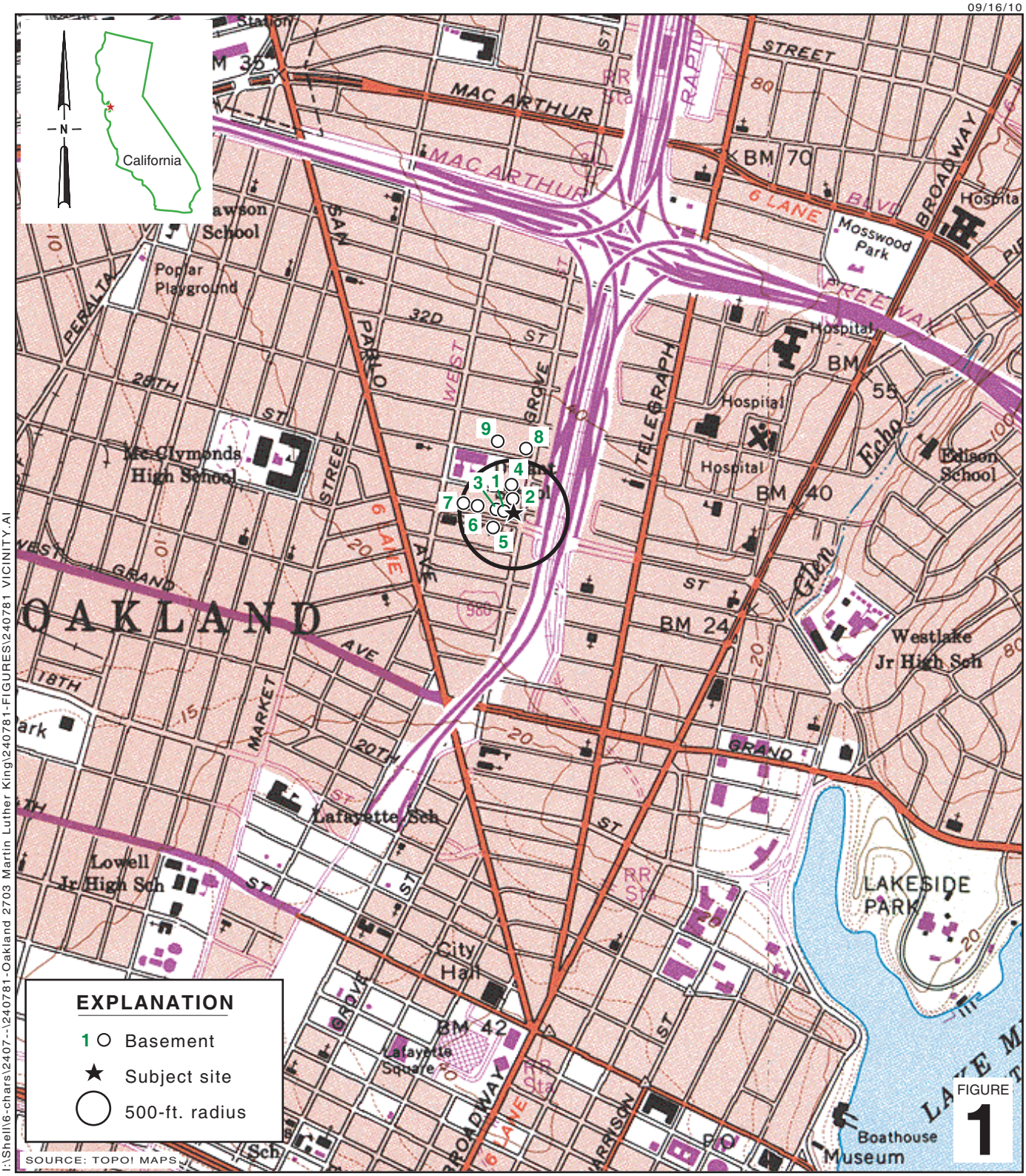

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FIGURE 1

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

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

07/06/2012

Groundwater Contour and Chemical Concentration Map

June 13, 2012

Oakland Public Schools
2850 West St.

School Access Gate, ~345'; on South Side of 29th St.

28TH STREET

Grass Playing Field

Asphalt Surface

Residential
685 28th St.

Residential
683 28th St.

Residential
679 28th St.

Residential
673 28th St.

Residential
669 28th St.

Residential
663 28th St.

Residential
665 28th St.

Residential
2719-23 Martin Luther King

Vacant Lot
2727-29 Martin Luther King

Former Shell Station
2703 Martin Luther King

Carport

Residential
672 27th St.

Residential
670 27th St.

Residential
668 27th St.

Residential
664 27th St.

Former W/O AST

Former Vent Lines

Anode

Trench

Wooden Carport

Building

Former USTs

Former Dispensers

Gate

Driveway

MARTIN LUTHER KING JR. WAY

27TH STREET

Median

Well	ELEV	TPHg	Benzene
MW-11	17.48	ND	ND
MW-10	18.11	2,200	2.5
MW-9	19.25	9,700	49
MW-14	19.75	26,000	1,100
MW-7	21.45	2,300	330
MW-8	21.53	8,200	290
MW-5	21.64	110,000	5,400
MW-6	21.46	30,000	6,200
V-1	21.72^	410	0.63
MW-4	21.61	12,000	3,500
V-2	21.30^	44,000	540
MW-12	21.85	ND	ND
MW-1	21.98	NS	
MW-3	20.90	NS	
MW-2	20.97	NS	

18.50

19.75

21.00

0 15 30 60

Scale (ft)

N

EXPLANATION

- **MW-1** — Monitoring well location
- **V-1** — Soil vapor well location (07/1996) (not used in contouring)
- Electrical line (E)
- Telecommunication line (T)
- Gas line (G)
- Sanitary sewer line (SAN)
- Water line (W)
- Unknown utility line (?)
- XX.XX — Groundwater elevation contour, in feet above mean sea level (ft MSL); dashed where inferrred
- Well designation
- Groundwater elevation, in ft MSL
- TPHg and benzene concentrations are in micrograms per liter

Notes:
ND = Not detected
NS = Not sampled
^ = Vapor wells not used in contouring

Basemap from Virgil Chavez Land Surveying and Alameda County Assessors Parcel Map

FIGURE

2

CONESTOGA-ROVERS & ASSOCIATES

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

I:\Shell\6-chars\2407--\240781-Oakland 2703 Martin Luther King\240781-REPORTS\240781-RPT24-2Q12\240781 2QM12-GW.DWG

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 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO 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
MW-1	07/22/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	---	---	---	---	29.53	7.87	21.66	1.5

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 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*
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	---
MW-1	03/02/2011	---	---	---	---	---	---	---	---	---	---	---	29.54	7.52	22.02	---
MW-1	05/31/2011	---	---	---	---	---	---	---	---	---	---	---	29.54	7.28	22.26	---

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-1	12/13/2011	---	---	---	---	---	---	---	---	---	---	---	29.54	7.64	21.90	---
MW-1	**06/13/2012**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**29.54**	**7.56**	**21.98**	**---**
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	---
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	---

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
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	---
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	---

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 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*
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-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	---
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

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 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*
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	---
MW-3	12/13/2011	---	---	---	---	---	---	---	---	---	---	---	28.30	8.19	20.11	---
MW-3	**06/13/2012**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**28.30**	**7.40**	**20.90**	**---**
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	---

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 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*
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
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

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 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*
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-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
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

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
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
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-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

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
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
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-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

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
MW-7	09/09/2010	---	---	---	---	---	---	---	---	---	---	---	29.71	9.70	20.01	---
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-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	---
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**

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
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-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	---	---	---	---	---	---	28.52	6.85	21.67	0.41/0.40
MW-10	05/31/2011	2,400	2.0	0.51	60	45	---	---	---	---	---	---	28.52	7.23	21.29	0.22/0.43
MW-10	12/13/2011	2,700	2.43	<0.500	20.2	2.70	---	---	---	---	---	---	28.52	9.50	19.02	0.69/0.62
MW-10	**06/13/2012**	**2,200**	**2.5**	**0.53**	**48**	**46**	**---**	**---**	**---**	**---**	**---**	**---**	**28.52**	**10.41**	**18.11**	**0.81/0.92**
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-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

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 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*
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
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-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

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
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
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**
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	---

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
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	---
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

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
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
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-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	---

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO 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
V-2	04/28/2005	16,000	970	230	620	3,800	---	---	---	---	---	---	28.80	5.69	23.11	4.55

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 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	DO Reading (mg/L)
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	---	---	---	---	---	---	---	---	---	---	---	28.38	3.95	24.43	---
V-2	05/31/2011	36,000	510	180	3,600	6,700	---	---	---	---	---	---	28.38	6.55	21.83	0.47/0.92
V-2	12/13/2011	51,000	652	129	3,760	5,040	---	---	---	---	---	---	28.38	7.96	20.42	0.60/1.51
V-2	**06/13/2012**	**44,000**	**540**	**150**	**4,300**	**5,000**	**---**	**---**	**---**	**---**	**---**	**---**	**28.38**	**7.08**	**21.30**	**0.91/1.36**

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

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 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*DO Reading (mg/L)*

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
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 # 120613-DR1 Date 6/13/12 Client Shell

Site 2703 Martin Luther King Jr. Way Oakland Ca.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-1	1015	2					7.56	20.02		
MW-2	1050	2					7.51	18.92		
MW-3	1021	4					7.40	20.01		
MW-4	1052	4					6.90	19.97		
MW-5	1104	4					7.97	19.92		
MW-6	1056	4					7.14	19.49		
MW-7	1044	4					8.26	19.54		
MW-8	1047	4					8.01	19.53		
MW-9	1105	4					9.27	19.58		
MW-10	1058	4					10.41	20.00		
MW-11	1058	4					9.98	19.71		
MW-12	1044	2					9.31	18.97		
MW-14	1332	1					8.34	14.11		
V-1	1039	2					7.52	12.99		
V-2	1100	2					7.08	13.28	✓	

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2203 Martin Luther King Jr. Way Oakland CA.
Sampler: DR / (RW)	Date: 6/13/12
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.97	Depth to Water (DTW): 6.90
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.51	

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

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

8.5 (Gals.) X	3	=	25.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1241	69.2	6.70	1268	23	8.5	
* Well dewatered @ 15.0 gallons *					15.0	DTW-17.03'
1500	72.3	6.90	1280	9	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 15.0

Sampling Date: 6/13/12 Sampling Time: 1500 Depth to Water: 13.46 (2 hrs)

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

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	1.03 mg/L	(Post-purge:)	0.96 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2703 Martin Luther King Jr. Way Oakland CA.
Sampler: DR / BW	Date: 6/13/12
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.92	Depth to Water (DTW): 7.97
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.36	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1340	69.0	6.72	1195	479	7.8	
1342	68.6	6.71	1210	136	15.6	
* Well dewatered @ 17.0 gallons *					17.0	DTW 17.13'
1450	70.7	6.88	1254	23	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 17.0

Sampling Date: 6/13/12 Sampling Time: 1450 Depth to Water: 8.76

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

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	1.10 mg/L	(Post-purge:)	1.15 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2703 Martin Luther King Jr. Way Oakland CA.
Sampler: DR / RW	Date: 6/13/12
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.49	Depth to Water (DTW): 7.14
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.61	

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

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

8.0 (Gals.) X	3	=	24.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1302	69.6	6.79	1607	>1000	8.0	
1310	68.4	6.75	1740	>1000	16.0	
* Well dewatered @ 17.0 gallons *					17.0	DTW 17.93'
1515	68.6	6.79	1445	27	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 17.0

Sampling Date: 6/13/12 Sampling Time: 1515 Depth to Water: 11.31 (2 hrs)

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

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

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

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

D.O. (if req'd):	Pre-purge:	1.00 mg/L	Post-purge:	1.41 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 120613-DR1	Site: 2703 Martin Luther King Jr. Way Oakland CA
Sampler: DR / (RW)	Date: 6/13/12
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.54	Depth to Water (DTW): 8.26
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.52	

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

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

7.3 (Gals.) X	3	=	21.9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1219	67.3	6.82	2490	123	7.3	
* Well Dewatered @ 9.0 gallons *					~~9.0~~ 9.90	DTW 16.88'
1425	66.8	6.88	2303	52	Grab	

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

Sampling Date: 6/13/12 Sampling Time: 1425 Depth to Water: 11.93 (2 hrs)

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

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	1.35 mg/L	(Post-purge:)	1.08 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2703 Martin Luther King Jr. Way Oakland CA.
Sampler: DR / (BW)	Date: 6/13/12
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.53	Depth to Water (DTW): 8.01
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.31	

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

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

7.5 (Gals.) X	3	= 22.5 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1230	67.7	6.97	896	67	7.5	
	* Well	dewatered @	13.0 gallons	* 13.0		DTW 16.91'
1410	65.7	7.64	760	44		

Did well dewater? (Yes) No Gallons actually evacuated: 13.0

Sampling Date: 6/13/12 Sampling Time: 1410 Depth to Water: 18.35'

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

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	1.48 mg/L	(Post-purge:)	0.94 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2703 Martin Luther King Jr. Way Oakland CA.
Sampler: (DR)/BW	Date: 6/13/12
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.58	Depth to Water (DTW): 9.27
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.33	

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

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

6.7 (Gals.) X	3	=	20.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1258	65.6	6.91	1289	122	6.7	Strong odor
* well	dewatered @	120 gal.				
1325	65.9	6.86	1236	85	—	" "

Did well dewater? (Yes) No Gallons actually evacuated: 12.0

Sampling Date: 6/13/12 Sampling Time: 1325 Depth to Water: 11.19

Sample I.D.: MW-9 Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	0.68 mg/L	(Post-purge:)	0.72 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12213-DRI	Site: 2203 Martin Luther King Jr. Way Oakland CA.
Sampler: (DR)/BW	Date: 6/13/12
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 20.00	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]: 12.33	

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

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

6.2 (Gals.) X	3	=	18.6 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1239	67.4	7.07	1492	176	6.2	
* well	dewatered		11.9 gal.			
1315	66.9	6.97	1174	109	—	

Did well dewater? (Yes) No Gallons actually evacuated: 11.9

Sampling Date: 6/13/12 Sampling Time: 1315 Depth to Water: 12.09

Sample I.D.: MW-10 Laboratory: (Test America) Other ____

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	0.81 mg/L	(Post-purge:)	0.92 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2703 Martin Luther King Jr. Way Oakland CA.
Sampler: (DR)/BW	Date: 6/13/12
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.71	Depth to Water (DTW): 9.98
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]: 11.93	

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

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

6.3 (Gals.) X	3	=	18.9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1219	68.7	6.64	1290	79	6.3	
* well	dewatered @	12.0 gal.				
1305	68.9	6.71	1270	62	—	

Did well dewater? (Yes) No Gallons actually evacuated: 12.0

Sampling Date: 6/13/12 Sampling Time: 1305 Depth to Water: 11.07

Sample I.D.: MW-11 Laboratory: (Test America) Other ____

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	0.54 mg/L	(Post-purge:)	0.91 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2203 Martin Luther King Jr. Way Oakland CA.
Sampler: (DR)/BW	Date: 6/13/12
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 18.97	Depth to Water (DTW): 9.31
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]: 11.24	

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

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

1 Case Volume	Specified Volumes	Calculated Volume
~~1.6~~ 1.6 (Gals.) X	3	= 4.8 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1142	60.7	6.64	641	>1000	1.6	
1144	60.6	6.72	622	>1000	3.2	
1146	60.6	6.73	620	>1000	4.8	

Did well dewater? Yes (No) Gallons actually evacuated: 4.8

Sampling Date: 6/13/12 Sampling Time: 1151 Depth to Water: 11.09

Sample I.D.: MW-12 Laboratory: (Test America) Other____

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	0.61 mg/L	(Post-purge:)	1.79 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2703 Martin Luther King Jr. Way Oakland CA.
Sampler: DR / BW	Date: 6/13/12
Well I.D.: MW-14	Well Diameter: 2 3 4 6 8 (1")
Total Well Depth (TD): 14.11	Depth to Water (DTW): 8.34
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]: 9.49	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, (Other) Tubing w/ check valve

Sampling Method: ~~Bailer~~ DR, Disposable Bailer, Extraction Port, Dedicated Tubing, (Other) Tubing w/ check valve

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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1353	67.6	7.54	1381	>1000	0.2	
1355	67.2	7.42	1366	>1000	0.4	
1357	67.0	7.41	1359	>1000	0.6	

Did well dewater? Yes (No) Gallons actually evacuated: 0.6

Sampling Date: 6/13/12 Sampling Time: 1400 Depth to Water: 9.41

Sample I.D.: MW-14 Laboratory: (Test America) Other

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

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

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

D.O. (if req'd):	~~Pre-purge~~:	0.54 mg/L	(Post-purge):	0.75 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 12213-DR1	Site: 2303 Martin Luther King Jr. Way Oakland CA.
Sampler: DR / BW	Date: 6/13/12
Well I.D.: V-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.99	Depth to Water (DTW): 7.52
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.61	

Purge Method: ~~X~~Bailer — Disposable Bailer — Positive Air Displacement — Electric Submersible — Waterra — Peristaltic — Extraction Pump — Other_____

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

0.9 (Gals.) X 3 = 2.7 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1138	72.9	6.03	1089	108	0.9	
1141	71.5	6.55	1075	296	1.8	
1144	71.2	6.60	1080	488	2.7	DTW 9.88'

Did well dewater? Yes (No) Gallons actually evacuated: 2.7

Sampling Date: 6/13/12 Sampling Time: 1200 Depth to Water: 8.21'

Sample I.D.: V-1 Laboratory: (Test America) Other_____

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	1.65 mg/L	(Post-purge:)	1.73 mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 12613-DRI	Site: 2703 Martin Luther King Jr. Way Oakland CA.
Sampler: DR / BW	Date: 6/13/12
Well I.D.: V-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 13.28	Depth to Water (DTW): 7.08
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.32	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1326	68.7	7.16	936	408	1.0	
1329	68.6	6.98	929	71000	2.0	
* Well dewatered @ 2.0 gallons *						
1435	70.5	7.27	906	44	Grab	

Did well dewater? (Yes) No — Gallons actually evacuated: 2.0

Sampling Date: 6/13/12 — Sampling Time: 1435 — Depth to Water: 8.04

Sample I.D.: V-2 — Laboratory: (Test America) Other____

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

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

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

D.O. (if req'd):	~~Pre-purge:~~	0.91 mg/L	(Post-purge:)	1.36 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

INCIDENT # 97093397

DATE: 6/13/12

ADDRESS 2703 Martin Luther King Jr. Way

CITY & STATE Oakland Ca.

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
mw-1	Standpipe	(Flush)	(G)	P	Size (inch) 6	(Y)	N	(G)	R	(G)	R	NL	(G)	P	Water in box.	Y	(N)	
mw-2	Standpipe	(Flush)	(G)	P	Size (inch) 6	(Y)	N	(G)	R	(G)	R	NL	(G)	P	-1/2 bolts, -1/2 tabs, water in box	Y	(N)	
mw-3	Standpipe	(Flush)	(G)	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P	Water in box.	Y	(N)	
mw-4	Standpipe	(Flush)	G	(P)	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P	1/2 tabs broken.	Y	(N)	
mw-5	Standpipe	(Flush)	G	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
mw-6	Standpipe	(Flush)	G	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
mw-7	Standpipe	(Flush)	G	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
mw-8	Standpipe	(Flush)	G	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P		Y	(N)	
mw-9	Standpipe	(Flush)	(G)	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P	Water in box	Y	(N)	
mw-10	Standpipe	(Flush)	(G)	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P	water in box.	Y	(N)	
mw-11	Standpipe	(Flush)	(G)	P	Size (inch) 12	(Y)	N	(G)	R	(G)	R	NL	(G)	P	water in box	Y	(N)	
TOTAL # CAPS REPLACED =								Ø		Ø		= 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	P	(N/A)	G	P	(N/A)	G	P	(N/A)	Y	N	(N/A)		Y	(N)	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

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

G = Good (Acceptable) R = Replaced

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

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

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

Version 2.4, March 2008

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

Dennis Reynolds / Blaine Tech Services

Print or type Name of Field Personnel & Consultant Company

INCIDENT # 97093571

DATE: 6/13/12

ADDRESS 2703 Martin Luther King Jr. Way.

CITY & STATE Oakland Ca.

Well ID	Observations Upon Arrival: Manway Cover, Type, Condition & Size					Well Labeled / Painted Properly*		Well Cap (Gripper) Condition		Well Lock Condition			Well Pad / Surface Condition		Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed	Photos of Well Condition		Repair Date and PM Initials
MW-12	Standpipe	Flush	G	P	Size (inch) 6	Y	N	G	R	G	R	NL	G	P	~1/2 bolts, Water in box.	Y	N	
MW-14	Standpipe	Flush	G	P	Size (inch) 6	Y	N	G	R	G	R	NL	G	P		Y	N	
V-1	Standpipe	Flush	G	P	Size (inch) 6	Y	N	G	R	G	R	NL	G	P		Y	N	
V-2	Standpipe	Flush	G	P	Size (inch) 6	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	
	Standpipe	Flush	G	P	Size (inch)	Y	N	G	R	G	R	NL	G	P		Y	N	

TOTAL # CAPS REPLACED = Ø | Ø = 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	P	N/A	G	P	N/A	G	P	N/A	Y	N	N/A		Y	N	
Building																	
Building w/ Fence Comp.																	
Fenced Compound																	
Trailer																	

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

G = Good (Acceptable) R = Replaced
P = Poor (needs attention) NL = No Lock Required

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

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

Version 2.4, March 2008

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

Devin Raynal / Blaine Tech Services

Print or type Name of Field Personnel & Consultant Company

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

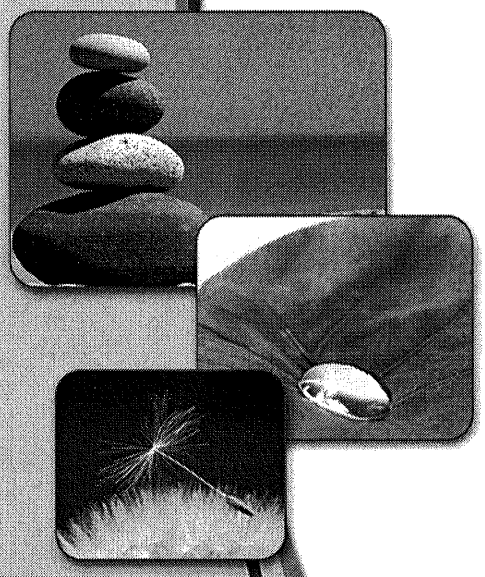
Site Address: 2703 Martin Luther King Jr. Wy Oakland Date: 6/20/12

Job Number: 120620-BW2 Technician: BW Page 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
MW-2							X	X									X		
	Notes: Replaced Wellbox w/ 8" Emco																		
	Well box type / size: 8" Emco										Materials used: 1 Box kit, 3 bags								
MW-4							X	X									X		
	Notes: Replaced Wellbox w/ 12" Emco																		
	Well box type / size: 12" Emco										Materials used: 1 Box kit, 4 bags								
	Notes:																		
	Well box type / size:										Materials used:								
	Notes:																		
	Well box type / size:										Materials used:								
	Notes:																		
	Well box type / size:										Materials used:								
	Notes:																		
	Well box type / size:										Materials used:								
	Notes:																		
	Well box type / size:										Materials used:								

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: 440-14873-1
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

Philip Sanelle

Authorized for release by:
6/29/2012 12:00:26 PM

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

Table of Contents

Sample Summary

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

TestAmerica Job ID: 440-14873-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-14873-1	MW-4	Water	06/13/12 15:00	06/15/12 09:50
440-14873-2	MW-5	Water	06/13/12 14:50	06/15/12 09:50
440-14873-3	MW-6	Water	06/13/12 15:15	06/15/12 09:50
440-14873-4	MW-7	Water	06/13/12 14:25	06/15/12 09:50
440-14873-5	MW-8	Water	06/13/12 14:10	06/15/12 09:50
440-14873-6	MW-9	Water	06/13/12 13:25	06/15/12 09:50
440-14873-7	MW-10	Water	06/13/12 13:15	06/15/12 09:50
440-14873-8	MW-11	Water	06/13/12 13:05	06/15/12 09:50
440-14873-9	MW-12	Water	06/13/12 11:51	06/15/12 09:50
440-14873-10	MW-14	Water	06/13/12 14:00	06/15/12 09:50
440-14873-11	V-1	Water	06/13/12 12:00	06/15/12 09:50
440-14873-12	V-2	Water	06/13/12 14:35	06/15/12 09:50

Job ID: 440-14873-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-14873-1

Comments
No additional comments.

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

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 35345 exceeded control limits for the following analytes: ethylbenzene, toluene, 11-dichlroethene, 124-trimethylbenzene, 135-trimethylbenzene, 12-dichlorobenzene, 13-dichlorobenzene, 4-isopropyltolune, bromobenzene, cis12-dichloroethene, n-butylbenzene, trans-12dichloroethene, and trans-13-dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample ID: MW-4

Lab Sample ID: 440-14873-1

Date Collected: 06/13/12 15:00
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	12000		2500		ug/L			06/24/12 21:06	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*06/24/12 21:06*	*50*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/24/12 21:06*	*50*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/24/12 21:06*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3500		25		ug/L			06/24/12 21:06	50
Ethylbenzene	270		25		ug/L			06/24/12 21:06	50
Toluene	47		25		ug/L			06/24/12 21:06	50
Xylenes, Total	ND		50		ug/L			06/24/12 21:06	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/24/12 21:06*	*50*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*06/24/12 21:06*	*50*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/24/12 21:06*	*50*

Client Sample ID: MW-5

Lab Sample ID: 440-14873-2

Date Collected: 06/13/12 14:50
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	110000		5000		ug/L			06/24/12 21:34	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/24/12 21:34*	*100*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*06/24/12 21:34*	*100*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/24/12 21:34*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5400		50		ug/L			06/24/12 21:34	100
Ethylbenzene	5700		50		ug/L			06/24/12 21:34	100
Toluene	7400		50		ug/L			06/24/12 21:34	100
Xylenes, Total	29000		100		ug/L			06/24/12 21:34	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*06/24/12 21:34*	*100*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*06/24/12 21:34*	*100*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/24/12 21:34*	*100*

Client Sample ID: MW-6

Lab Sample ID: 440-14873-3

Date Collected: 06/13/12 15:15
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	30000		5000		ug/L			06/24/12 22:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/24/12 22:02*	*100*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/24/12 22:02*	*100*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/24/12 22:02*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6200		50		ug/L			06/24/12 22:02	100
Ethylbenzene	1700		50		ug/L			06/24/12 22:02	100
Toluene	1400		50		ug/L			06/24/12 22:02	100
Xylenes, Total	6300		100		ug/L			06/24/12 22:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*06/24/12 22:02*	*100*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/24/12 22:02*	*100*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/24/12 22:02*	*100*

Client Sample ID: MW-7

Lab Sample ID: 440-14873-4

Date Collected: 06/13/12 14:25
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	2300		500		ug/L			06/24/12 22:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/24/12 22:30*	*10*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/24/12 22:30*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/24/12 22:30*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	330		5.0		ug/L			06/24/12 22:30	10
Ethylbenzene	ND		5.0		ug/L			06/24/12 22:30	10
Toluene	ND		5.0		ug/L			06/24/12 22:30	10
Xylenes, Total	86		10		ug/L			06/24/12 22:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*06/24/12 22:30*	*10*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/24/12 22:30*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/24/12 22:30*	*10*

Client Sample ID: MW-8

Lab Sample ID: 440-14873-5

Date Collected: 06/13/12 14:10
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	8200		500		ug/L			06/24/12 22:57	10

Client Sample ID: MW-8

Lab Sample ID: 440-14873-5

Date Collected: 06/13/12 14:10
Date Received: 06/15/12 09:50

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*06/24/12 22:57*	*10*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*06/24/12 22:57*	*10*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/24/12 22:57*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	290		5.0		ug/L			06/24/12 22:57	10
Ethylbenzene	14		5.0		ug/L			06/24/12 22:57	10
Toluene	7.9		5.0		ug/L			06/24/12 22:57	10
Xylenes, Total	430		10		ug/L			06/24/12 22:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*06/24/12 22:57*	*10*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*06/24/12 22:57*	*10*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/24/12 22:57*	*10*

Client Sample ID: MW-9

Lab Sample ID: 440-14873-6

Date Collected: 06/13/12 13:25
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	9700		500		ug/L			06/24/12 23:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*06/24/12 23:25*	*10*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*06/24/12 23:25*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/24/12 23:25*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	49		5.0		ug/L			06/24/12 23:25	10
Ethylbenzene	420		5.0		ug/L			06/24/12 23:25	10
Toluene	6.1		5.0		ug/L			06/24/12 23:25	10
Xylenes, Total	59		10		ug/L			06/24/12 23:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*06/24/12 23:25*	*10*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*06/24/12 23:25*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/24/12 23:25*	*10*

Client Sample ID: MW-10

Lab Sample ID: 440-14873-7

Date Collected: 06/13/12 13:15
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	2200		50		ug/L			06/26/12 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/26/12 17:33*	*1*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*06/26/12 17:33*	*1*

Client Sample ID: MW-10

Lab Sample ID: 440-14873-7

Date Collected: 06/13/12 13:15
Date Received: 06/15/12 09:50

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/26/12 17:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.5		0.50		ug/L			06/26/12 17:33	1
Ethylbenzene	48		0.50		ug/L			06/26/12 17:33	1
Toluene	0.53		0.50		ug/L			06/26/12 17:33	1
Xylenes, Total	46		1.0		ug/L			06/26/12 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*		*06/26/12 17:33*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*06/26/12 17:33*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/26/12 17:33*	*1*

Client Sample ID: MW-11

Lab Sample ID: 440-14873-8

Date Collected: 06/13/12 13:05
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/26/12 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/26/12 18:00*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*06/26/12 18:00*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/26/12 18:00*	*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			06/26/12 18:00	1
Ethylbenzene	ND		0.50		ug/L			06/26/12 18:00	1
Toluene	ND		0.50		ug/L			06/26/12 18:00	1
Xylenes, Total	ND		1.0		ug/L			06/26/12 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*06/26/12 18:00*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/26/12 18:00*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/26/12 18:00*	*1*

Client Sample ID: MW-12

Lab Sample ID: 440-14873-9

Date Collected: 06/13/12 11:51
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/26/12 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/26/12 18:56*	*1*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*06/26/12 18:56*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/26/12 18:56*	*1*

Client Sample ID: MW-12

Lab Sample ID: 440-14873-9
Matrix: Water

Date Collected: 06/13/12 11:51
Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/26/12 18:56	1
Ethylbenzene	ND		0.50		ug/L			06/26/12 18:56	1
Toluene	ND		0.50		ug/L			06/26/12 18:56	1
Xylenes, Total	ND		1.0		ug/L			06/26/12 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*		*06/26/12 18:56*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/26/12 18:56*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/26/12 18:56*	*1*

Client Sample ID: MW-14

Lab Sample ID: 440-14873-10
Matrix: Water

Date Collected: 06/13/12 14:00
Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	26000		1000		ug/L			06/27/12 04:56	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/27/12 04:56*	*20*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*		*06/27/12 04:56*	*20*
Toluene-d8 (Surr)	*109*		*80 - 120*		*06/27/12 04:56*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1100		10		ug/L			06/27/12 04:56	20
Xylenes, Total	630		20		ug/L			06/27/12 04:56	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*		*06/27/12 04:56*	*20*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/27/12 04:56*	*20*
Toluene-d8 (Surr)	*109*		*80 - 120*		*06/27/12 04:56*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1400		10		ug/L			06/27/12 21:42	20
Toluene	13		10		ug/L			06/27/12 21:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*06/27/12 21:42*	*20*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*06/27/12 21:42*	*20*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/27/12 21:42*	*20*

Client Sample ID: V-1

Lab Sample ID: 440-14873-11
Matrix: Water

Date Collected: 06/13/12 12:00
Date Received: 06/15/12 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	410		50		ug/L			06/26/12 22:48	1

Client Sample ID: V-1

Lab Sample ID: 440-14873-11

Date Collected: 06/13/12 12:00
Date Received: 06/15/12 09:50

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*06/26/12 22:48*	*1*
4-Bromofluorobenzene (Surr)	*117*		*80 - 120*		*06/26/12 22:48*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/26/12 22:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.63**		0.50		ug/L			06/26/12 22:48	1
Toluene	ND	*	0.50		ug/L			06/26/12 22:48	1
Xylenes, Total	ND		1.0		ug/L			06/26/12 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*80 - 120*		*06/26/12 22:48*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*06/26/12 22:48*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/26/12 22:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**3.9**		0.50		ug/L			06/27/12 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*		*06/27/12 21:15*	*1*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*06/27/12 21:15*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/27/12 21:15*	*1*

Client Sample ID: V-2

Lab Sample ID: 440-14873-12

Date Collected: 06/13/12 14:35
Date Received: 06/15/12 09:50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	**44000**		2500		ug/L			06/27/12 05:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*06/27/12 05:27*	*50*
4-Bromofluorobenzene (Surr)	*116*		*80 - 120*		*06/27/12 05:27*	*50*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/27/12 05:27*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**540**		25		ug/L			06/27/12 05:27	50
Xylenes, Total	**5000**		50		ug/L			06/27/12 05:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*80 - 120*		*06/27/12 05:27*	*50*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*06/27/12 05:27*	*50*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/27/12 05:27*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**4300**		25		ug/L			06/27/12 22:10	50
Toluene	**150**		25		ug/L			06/27/12 22:10	50

Client Sample ID: V-2
Date Collected: 06/13/12 14:35
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14873-12
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*06/27/12 22:10*	*50*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*06/27/12 22:10*	*50*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/27/12 22:10*	*50*

Lab Chronicle

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

TestAmerica Job ID: 440-14873-1

Client Sample ID: MW-4

Lab Sample ID: 440-14873-1

Date Collected: 06/13/12 15:00
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	10 mL	10 mL	34828	06/24/12 21:06	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		50	10 mL	10 mL	34829	06/24/12 21:06	YK	TAL IRV

Client Sample ID: MW-5

Lab Sample ID: 440-14873-2

Date Collected: 06/13/12 14:50
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	10 mL	10 mL	34828	06/24/12 21:34	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		100	10 mL	10 mL	34829	06/24/12 21:34	YK	TAL IRV

Client Sample ID: MW-6

Lab Sample ID: 440-14873-3

Date Collected: 06/13/12 15:15
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	10 mL	10 mL	34828	06/24/12 22:02	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		100	10 mL	10 mL	34829	06/24/12 22:02	YK	TAL IRV

Client Sample ID: MW-7

Lab Sample ID: 440-14873-4

Date Collected: 06/13/12 14:25
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	10 mL	10 mL	34828	06/24/12 22:30	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		10	10 mL	10 mL	34829	06/24/12 22:30	YK	TAL IRV

Client Sample ID: MW-8

Lab Sample ID: 440-14873-5

Date Collected: 06/13/12 14:10
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	10 mL	10 mL	34828	06/24/12 22:57	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		10	10 mL	10 mL	34829	06/24/12 22:57	YK	TAL IRV

Client Sample ID: MW-9

Lab Sample ID: 440-14873-6

Date Collected: 06/13/12 13:25
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	10 mL	10 mL	34828	06/24/12 23:25	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		10	10 mL	10 mL	34829	06/24/12 23:25	YK	TAL IRV

Client Sample ID: MW-10

Lab Sample ID: 440-14873-7

Date Collected: 06/13/12 13:15
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	35102	06/26/12 17:33	LB	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	35103	06/26/12 17:33	LB	TAL IRV

Client Sample ID: MW-11

Lab Sample ID: 440-14873-8

Date Collected: 06/13/12 13:05
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	35102	06/26/12 18:00	LB	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	35103	06/26/12 18:00	LB	TAL IRV

Client Sample ID: MW-12

Lab Sample ID: 440-14873-9

Date Collected: 06/13/12 11:51
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	35102	06/26/12 18:56	LB	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	35103	06/26/12 18:56	LB	TAL IRV

Client Sample ID: MW-14

Lab Sample ID: 440-14873-10

Date Collected: 06/13/12 14:00
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	10 mL	10 mL	35345	06/27/12 04:56	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		20	10 mL	10 mL	35346	06/27/12 04:56	YK	TAL IRV
Total/NA	Analysis	8260B	RA	20	10 mL	10 mL	35649	06/27/12 21:42	YK	TAL IRV

Client Sample ID: V-1

Lab Sample ID: 440-14873-11

Date Collected: 06/13/12 12:00
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	10 mL	10 mL	35345	06/26/12 22:48	YK	TAL IRV
Total/NA	Analysis	8260B/CA_LUFTMS		1	10 mL	10 mL	35346	06/26/12 22:48	YK	TAL IRV
Total/NA	Analysis	8260B	RA	1	10 mL	10 mL	35649	06/27/12 21:15	YK	TAL IRV

Client Sample ID: V-2

Lab Sample ID: 440-14873-12

Date Collected: 06/13/12 14:35
Date Received: 06/15/12 09:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	10 mL	10 mL	35345	06/27/12 05:27	YK	TAL IRV

Lab Chronicle

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

TestAmerica Job ID: 440-14873-1

Client Sample ID: V-2
Date Collected: 06/13/12 14:35
Date Received: 06/15/12 09:50

Lab Sample ID: 440-14873-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		50	10 mL	10 mL	35346	06/27/12 05:27	YK	TAL IRV
Total/NA	Analysis	8260B	RA	50	10 mL	10 mL	35649	06/27/12 22:10	YK	TAL IRV

Laboratory References:

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

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

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/24/12 13:39	1
Ethylbenzene	ND		0.50		ug/L			06/24/12 13:39	1
Toluene	ND		0.50		ug/L			06/24/12 13:39	1
Xylenes, Total	ND		1.0		ug/L			06/24/12 13:39	1

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.4		ug/L		102	70 - 120
Ethylbenzene	25.0	26.3		ug/L		105	75 - 125
m,p-Xylene	50.0	53.6		ug/L		107	75 - 125
o-Xylene	25.0	26.0		ug/L		104	75 - 125
Toluene	25.0	25.7		ug/L		103	70 - 120

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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	25.7		ug/L		103	65 - 125
Ethylbenzene	ND		25.0	26.1		ug/L		105	65 - 130
m,p-Xylene	ND		50.0	53.9		ug/L		108	65 - 130
o-Xylene	ND		25.0	26.1		ug/L		104	65 - 125
Toluene	ND		25.0	25.8		ug/L		103	70 - 125

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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	28.1		ug/L		112	65 - 125	9	20
Ethylbenzene	ND		25.0	28.8		ug/L		115	65 - 130	10	20

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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylene	ND		50.0	60.0		ug/L		120	65 - 130	11	25
o-Xylene	ND		25.0	29.2		ug/L		117	65 - 125	11	20
Toluene	ND		25.0	28.2		ug/L		113	70 - 125	9	20

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

Lab Sample ID: MB 440-35102/4
Matrix: Water
Analysis Batch: 35102

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/26/12 12:27	1
Ethylbenzene	ND		0.50		ug/L			06/26/12 12:27	1
Toluene	ND		0.50		ug/L			06/26/12 12:27	1
Xylenes, Total	ND		1.0		ug/L			06/26/12 12:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*		*06/26/12 12:27*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*06/26/12 12:27*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/26/12 12:27*	*1*

Lab Sample ID: LCS 440-35102/5
Matrix: Water
Analysis Batch: 35102

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	27.6		ug/L		110	70 - 120
Ethylbenzene	25.0	29.3		ug/L		117	75 - 125
m,p-Xylene	50.0	60.0		ug/L		120	75 - 125
o-Xylene	25.0	28.9		ug/L		116	75 - 125
Toluene	25.0	27.8		ug/L		111	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*80 - 120*
Dibromofluoromethane (Surr)	*89*		*80 - 120*
Toluene-d8 (Surr)	*110*		*80 - 120*

Lab Sample ID: 440-15130-D-11 MS
Matrix: Water
Analysis Batch: 35102

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	27.1		ug/L		109	65 - 125
Ethylbenzene	ND		25.0	28.6		ug/L		114	65 - 130
m,p-Xylene	ND		50.0	57.8		ug/L		116	65 - 130
o-Xylene	ND		25.0	28.4		ug/L		114	65 - 125

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

Lab Sample ID: 440-15130-D-11 MS
Matrix: Water
Analysis Batch: 35102

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	ND		25.0	27.4		ug/L		109	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 440-15130-D-11 MSD
Matrix: Water
Analysis Batch: 35102

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	27.5		ug/L		110	65 - 125	1	20
Ethylbenzene	ND		25.0	27.8		ug/L		111	65 - 130	3	20
m,p-Xylene	ND		50.0	56.7		ug/L		113	65 - 130	2	25
o-Xylene	ND		25.0	27.5		ug/L		110	65 - 125	3	20
Toluene	ND		25.0	27.7		ug/L		111	70 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 440-35345/4
Matrix: Water
Analysis Batch: 35345

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/26/12 20:45	1
Ethylbenzene	ND		0.50		ug/L			06/26/12 20:45	1
Toluene	ND		0.50		ug/L			06/26/12 20:45	1
Xylenes, Total	ND		1.0		ug/L			06/26/12 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*		*06/26/12 20:45*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/26/12 20:45*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/26/12 20:45*	*1*

Lab Sample ID: LCS 440-35345/7
Matrix: Water
Analysis Batch: 35345

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	29.7		ug/L		119	70 - 120
Ethylbenzene	25.0	31.4	*	ug/L		126	75 - 125
m,p-Xylene	50.0	58.5		ug/L		117	75 - 125
o-Xylene	25.0	29.4		ug/L		117	75 - 125
Toluene	25.0	31.5	*	ug/L		126	70 - 120

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

Lab Sample ID: LCS 440-35345/7
Matrix: Water
Analysis Batch: 35345

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 440-14873-11 MS
Matrix: Water
Analysis Batch: 35345

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.63		25.0	28.6		ug/L		112	65 - 125
Ethylbenzene	4.4		25.0	32.3		ug/L		112	65 - 130
m,p-Xylene	ND		50.0	53.7		ug/L		106	65 - 130
o-Xylene	ND		25.0	27.1		ug/L		109	65 - 125
Toluene	ND	*	25.0	30.0		ug/L		120	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 440-14873-11 MSD
Matrix: Water
Analysis Batch: 35345

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.63		25.0	29.0		ug/L		113	65 - 125	1	20
Ethylbenzene	4.4		25.0	34.1		ug/L		119	65 - 130	5	20
m,p-Xylene	ND		50.0	55.5		ug/L		110	65 - 130	3	25
o-Xylene	ND		25.0	27.9		ug/L		112	65 - 125	3	20
Toluene	ND	*	25.0	30.6		ug/L		122	70 - 125	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 440-35649/4
Matrix: Water
Analysis Batch: 35649

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/27/12 19:54	1
Ethylbenzene	ND		0.50		ug/L			06/27/12 19:54	1
Toluene	ND		0.50		ug/L			06/27/12 19:54	1
Xylenes, Total	ND		1.0		ug/L			06/27/12 19:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*06/27/12 19:54*	*1*

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

Lab Sample ID: MB 440-35649/4
Matrix: Water
Analysis Batch: 35649

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	82		80 - 120		06/27/12 19:54	1
Toluene-d8 (Surr)	94		80 - 120		06/27/12 19:54	1

Lab Sample ID: LCS 440-35649/5
Matrix: Water
Analysis Batch: 35649

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.9		ug/L		96	70 - 120
Ethylbenzene	25.0	25.4		ug/L		101	75 - 125
m,p-Xylene	50.0	50.4		ug/L		101	75 - 125
o-Xylene	25.0	26.6		ug/L		106	75 - 125
Toluene	25.0	24.3		ug/L		97	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	85		80 - 120
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: 440-15369-A-6 MS
Matrix: Water
Analysis Batch: 35649

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	27.1		ug/L		109	65 - 125
Ethylbenzene	ND		25.0	27.3		ug/L		109	65 - 130
m,p-Xylene	ND		50.0	54.1		ug/L		108	65 - 130
o-Xylene	ND		25.0	27.8		ug/L		111	65 - 125
Toluene	ND		25.0	27.4		ug/L		110	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	87		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: 440-15369-A-6 MSD
Matrix: Water
Analysis Batch: 35649

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	26.0		ug/L		104	65 - 125	4	20
Ethylbenzene	ND		25.0	26.6		ug/L		106	65 - 130	3	20
m,p-Xylene	ND		50.0	52.2		ug/L		104	65 - 130	3	25
o-Xylene	ND		25.0	27.0		ug/L		108	65 - 125	3	20
Toluene	ND		25.0	26.1		ug/L		104	70 - 125	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		80 - 120

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

Lab Sample ID: 440-15369-A-6 MSD
Matrix: Water
Analysis Batch: 35649

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

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*87*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

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

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

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

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	500	520		ug/L		104	55 - 130

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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1360		ug/L		79	50 - 145

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

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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	ND		1730	1500		ug/L		87	50 - 145	10	20

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

Lab Sample ID: MB 440-35103/4
Matrix: Water
Analysis Batch: 35103

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/26/12 12:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*06/26/12 12:27*	*1*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*		*06/26/12 12:27*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/26/12 12:27*	*1*

Lab Sample ID: LCS 440-35103/6
Matrix: Water
Analysis Batch: 35103

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	574		ug/L		115	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
4-Bromofluorobenzene (Surr)	*116*		*80 - 120*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: 440-15130-D-11 MS
Matrix: Water
Analysis Batch: 35103

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	51		1730	1510		ug/L		84	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*115*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

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

Lab Sample ID: 440-15130-D-11 MSD
Matrix: Water
Analysis Batch: 35103

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	51		1730	1450		ug/L		81	50 - 145	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 440-35346/4
Matrix: Water
Analysis Batch: 35346

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Volatile Fuel Hydrocarbons (C4-C12)	ND		50		ug/L			06/26/12 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*06/26/12 20:45*	*1*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*		*06/26/12 20:45*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*06/26/12 20:45*	*1*

Lab Sample ID: LCS 440-35346/6
Matrix: Water
Analysis Batch: 35346

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	571		ug/L		114	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*117*		*80 - 120*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 440-14873-11 MS
Matrix: Water
Analysis Batch: 35346

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Volatile Fuel Hydrocarbons (C4-C12)	410		1730	1720		ug/L		76	50 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

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

Lab Sample ID: 440-14873-11 MSD
Matrix: Water
Analysis Batch: 35346

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Volatile Fuel Hydrocarbons (C4-C12)	410		1730	1890		ug/L		86	50 - 145	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*112*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

GC/MS VOA

Analysis Batch: 34828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14873-1	MW-4	Total/NA	Water	8260B	
440-14873-2	MW-5	Total/NA	Water	8260B	
440-14873-3	MW-6	Total/NA	Water	8260B	
440-14873-4	MW-7	Total/NA	Water	8260B	
440-14873-5	MW-8	Total/NA	Water	8260B	
440-14873-6	MW-9	Total/NA	Water	8260B	
440-15130-E-4 MS	Matrix Spike	Total/NA	Water	8260B	
440-15130-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-34828/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-34828/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 34829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14873-1	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-2	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-3	MW-6	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-4	MW-7	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-5	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-6	MW-9	Total/NA	Water	8260B/CA_LUFT MS	
440-15130-E-4 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-15130-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-34829/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-34829/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 35102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14873-7	MW-10	Total/NA	Water	8260B	
440-14873-8	MW-11	Total/NA	Water	8260B	
440-14873-9	MW-12	Total/NA	Water	8260B	
440-15130-D-11 MS	Matrix Spike	Total/NA	Water	8260B	
440-15130-D-11 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-35102/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-35102/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 35103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14873-7	MW-10	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-8	MW-11	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-9	MW-12	Total/NA	Water	8260B/CA_LUFT MS	
440-15130-D-11 MS	Matrix Spike	Total/NA	Water	8260B/CA_LUFT MS	
440-15130-D-11 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 35103 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-35103/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-35103/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 35345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14873-10	MW-14	Total/NA	Water	8260B	
440-14873-11	V-1	Total/NA	Water	8260B	
440-14873-11 MS	V-1	Total/NA	Water	8260B	
440-14873-11 MSD	V-1	Total/NA	Water	8260B	
440-14873-12	V-2	Total/NA	Water	8260B	
LCS 440-35345/7	Lab Control Sample	Total/NA	Water	8260B	
MB 440-35345/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 35346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14873-10	MW-14	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-11	V-1	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-11 MS	V-1	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-11 MSD	V-1	Total/NA	Water	8260B/CA_LUFT MS	
440-14873-12	V-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 440-35346/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
MB 440-35346/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 35649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-14873-10 - RA	MW-14	Total/NA	Water	8260B	
440-14873-11 - RA	V-1	Total/NA	Water	8260B	
440-14873-12 - RA	V-2	Total/NA	Water	8260B	
440-15369-A-6 MS	Matrix Spike	Total/NA	Water	8260B	
440-15369-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 440-35649/5	Lab Control Sample	Total/NA	Water	8260B	
MB 440-35649/4	Method Blank	Total/NA	Water	8260B	

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

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

TestAmerica Job ID: 440-14873-1

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

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: 240781 Peter Schaefer
INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 7 | ☐ CHECK IF NO INCIDENT # APPLIES
PO #
SAP #: 1 2 9 4 4 9
DATE: 6/13/12
PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services | LOG CODE: BTSS
SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland | State: CA | GLOBAL ID NO.: T0600101876
ADDRESS: 1680 Rogers Avenue, San Jose, CA
EDF DELIVERABLE TO (Name, Company, Office Location): Brenda Carter, CRA, Emeryville, CA | PHONE NO.: 510-420-3343 | E-MAIL: ShellEDF@CRAWorld.com; Shell-US-LabDataManagement@CRAworld.com | CONSULTANT PROJECT NO.: 240781-95-11.02
PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King
SAMPLER NAME(S) (Print): D. Raynel / B. Weeks | LAB USE ONLY: 440-14873
TELEPHONE: (310) 885-4455 x 108 | FAX: (310) 637-5802 | E-MAIL: lking@blainetech.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA – RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:
1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://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.

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

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

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

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID: PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG 120613-DR1	061312	BW	MW-4	1500	WG	X					3	X		X										
	WG 120613-DR1	061312	BW	MW-5	1450	WG	X					3	X		X										
	WG 120613-DR1	061312	BW	MW-6	1515	WG	X					3	X		X										
	WG 120613-DR1	061312	BW	MW-7	1425	WG	X					3	X		X										
	WG 120613-DR1	061312	BW	MW-8	1410	WG	X					3	X		X										
	WG 120613-DR1	061312	DR	MW-9	1325	WG	X					3	X		X										
	WG 120613-DR1	061312	DR	MW-10	1315	WG	X					3	X		X										
	WG 120613-DR1	061312	DR	MW-11	1305	WG	X					3	X		X										
	WG 120613-DR1	061312	DR	MW-12	1151	WG	X					3	X		X										
	WG 120613-DR1	061312	DR	MW-14	1400	WG	X					3	X		X										

TEMPERATURE ON RECEIPT: 5.4

Relinquished by: (Signature)	Received by: (Signature) (Sample Custodian)	Date: 6/13/12	Time: 1655
Relinquished by: (Signature)	Received by: (Signature)	Date: 6/14/12	Time: 1300
Relinquished by: (Signature) 6-14-12 16:30	Received by: (Signature)	Date: 6/15/12	Time: 9:50

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Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: 240781 Peter Schaefer

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

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 6/13/12

PAGE: 2 of 2

PO #

SAP #: 1 2 9 4 4 9

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

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

State: CA

GLOBAL ID NO.: T0600101876

ADDRESS: 1680 Rogers Avenue, San Jose, CA

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

PHONE NO.: 510-420-3343

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

CONSULTANT PROJECT NO.: 240781-95-11.02

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

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print): B. Weeks / D. Raynel

LAB USE ONLY: 440-14873

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

REQUESTED ANALYSIS

- ☐ LA - RWQCB REPORT FORMAT
- ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

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

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

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

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

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

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	PRESERVATIVE: HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-GRO, Purgeable (8260B)	TPH-DRO, Extractable (8015M)	BTEX (8260B)	BTEX + MTBE (8260B)	BTEX + MTBE + TBA (8260B)	BTEX + 5 OXYs (MTBE, TBA, DIPE, TAME, ETBE) 8260B	VOCs Full list (8260B)	Single Compound: _____ (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015B)	Container PID Readings or Laboratory Notes
	WG	12613-DRL	061312	BW	V-1	1200	WG	X					3	X		X										
	WG	12613-DRL	061312	BW	V-2	1435	WG	X					3	X		X										

TEMPERATURE ON RECEIPT: C° 5.4

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	(Sample custody)	6/13/12	1655
		6/14/12	1300
6/14/12 16:30		6/15/12	9:50

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Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 440-14873-1

Login Number: 14873
List Number: 1
Creator: Perez, Angel

List Source: TestAmerica Irvine

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