Remediation Management Services Company

4 Centerpointe Drive, Suite 200
La Palma, CA 90623
Room LPR 4-222
Office: (360) 594-7978
wade.melton@bp.com

January 31, 2019

Washington Department of Ecology
Northwest Regional Office
Attn: VCP Coordinator
3190 160th Avenue SE
Bellevue, WA 98008-5452

Dear VCP Coordinator:

Please find the enclosed Semi-Annual Groundwater Monitoring Report - Second Half of 2018, that documents the results at ARCO Facility No. 980 located at 10822 Roosevelt Way NE, Seattle, Washington.

Sincerely yours,

Wade Melton
Operations Project Manager
Remediation Management Services Company
An affiliate of Atlantic Richfield Company

cc: File, Antea Group

Semi-Annual Groundwater Monitoring Report

Second Half of 2018
ARCO Facility No. 980
10822 Roosevelt Way NE, Seattle, Washington

Antea®Group

Understanding today.
Improving tomorrow.

PREPARED FOR
Remediation Management Services Company
An affiliate of Atlantic Richfield Company
4 Centerpointe Drive, Suite 200
Room LPR-4-222
La Palma, CA 90623

January 31, 2019
Antea Group Project No. 00980SA181

us.anteagroup.com

The logo and ANTEA are registration trademarks of Antea USA, Inc.

ARCO Facility No.:	980
Address:	810822 Roosevelt Way NE, Seattle, Washington
Atlantic Richfield Project Manager:	Wade Melton, (360) 594-7978
Consulting Co. /Contact Person:	Antea Group / Eric Sanchez, (425) 498-7717
Consultant Project Number:	00980SA181
Primary Agency/Regulatory FS ID No.:	Washington State Department of Ecology / 68996432

WORK PERFORMED DURING SECOND HALF OF 2018:

- Antea Group conducted quarterly groundwater sampling on September 11, 2018 and November 15, 2018.
- Antea Group prepared this semi-annual groundwater monitoring report.
- Antea Group conducted soil vapor probe installation in November and December 2018.
- Antea Group responded to discovery of a previously unknown oil tank.
- Antea Group oversaw removal of the oil tank.

WORK SCHEDULED FOR FIRST HALF OF 2019:

- Antea Group will conduct semi-annual groundwater monitoring and sampling.
- Antea Group will prepare a semi-annual groundwater monitoring report.
- Antea Group will conduct soil vapor sampling.
- Antea Group will prepare soil vapor assessment report.
- Antea Group will prepare a UST decommissioning report.

Current Phase of Project:	**Monitoring**
Frequency of Groundwater Sampling and Monitoring:	**Quarterly**
Are LPH Present On-Site/Off-Site:	**Yes - Periodic**
LPH Recovered this Reporting Period:	**None**
Cumulative LPH Recovered to Date:	**Less than one gallon**
Amount of Soil Removed to Date:	**46.27 yd^3**
Current Remediation Techniques:	**Natural Attenuation, Passive Recovery**
Approximate Depth to Groundwater:	**9/11/2018: 9.11 to 18.31 ft.** **11/15/2018: 8.93 to 17.71 ft.**
Groundwater Gradient:	**9/11/2018: East-Southeast** **11/15/2018: East-Southeast**
	9/11/208: 0.08 ft./linear ft. **11/15/2018: 0.09 ft./linear ft.**

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.

Prepared by

Marissa Bernard

Date: January 31, 2019

Marissa Bernard
Staff Professional

Reviewed by:

Eric Sanchez

Date: January 31, 2019

Eric Sanchez
Project Manager

State of Washington
3157
Licensed Geologist
MEGAN RICHARD

Date: January 31, 2019

Megan Richard, LG
Project Manager

cc: VCP Coordinator, Department of Ecology, Northwest Regional Office (Hardcopy, Electronic Copy)
Mr. Michael Dahlstrom, Owner - Caribbean Apartments (Electronic Copy)
Mr. Joshua Pope, Montgomery Purdue Blankinship & Austin, PPLC (Electronic Copy)
Mr. Wade Melton, Remediation Management Service Company (Electronic Copy – RMO Upload)

Contact Information

4006 148th Avenue NE
Redmond, WA 98052 USA

Toll Free +1 800 477 7411
International +1 425 882 3528

Enclosures

Tables

Table 1	Groundwater Gauging Data
Table 2	Groundwater Analytical Data

Figures

Figure 1	Site Location Map
Figure 2	Site Aerial Map
Figure 3	Groundwater Analytical & Elevation Contour Map - 9/11/2018
Figure 4	Groundwater Analytical & Elevation Contour Map - 11/15/2018

Appendix

Appendix A	Analytical Lab Reports and Chain-of-Custody Documentation

Tables

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	10/5/1994	--	2.31	NP	--	--	--
MW-1	2/15/1995	--	1.39	NP	--	--	--
MW-1	4/10/1995	--	1.11	NP	--	--	--
MW-1	7/20/1995	--	1.78	NP	--	--	--
MW-1	10/25/1995	--	1.53	NP	--	--	--
MW-1	1/23/1996	--	0.79	NP	--	--	--
MW-1	4/17/1996	--	1.13	NP	--	--	--
MW-1	7/8/1996	--	1.30	NP	--	--	--
MW-1	10/10/1996	--	1.67	NP	--	--	--
MW-1	3/11/1997	--	0.82	NP	--	--	--
MW-1	5/29/1997	--	0.99	NP	--	--	--
MW-1	8/5/1997	--	0.31	NP	--	--	--
MW-1	10/23/1997	--	0.32	NP	--	--	--
MW-1	3/11/1998	--	0.81	NP	--	--	--
MW-1	6/30/1998	--	1.26	NP	--	--	--
MW-1	9/25/1998	--	1.73	NP	--	--	--
MW-1	12/29/1998	--	0.84	NP	--	--	--
MW-1	3/9/1999	--	0.60	NP	--	--	--
MW-1	6/2/1999	--	1.04	NP	--	--	--
MW-1	9/27/1999	--	1.71	NP	--	--	--
MW-1	12/20/1999	--	1.60	NP	--	--	--
MW-1	3/16/2000	--	1.40	NP	--	--	--
MW-1	6/30/2000	--	1.50	NP	--	--	--
MW-1	9/27/2000	--	1.50	NP	--	--	--
MW-1	11/10/2000	--	1.43	NP	--	--	--
MW-1	3/19/2001	--	1.45	NP	--	--	--
MW-1	6/27/2001	--	1.75	NP	--	--	--
MW-1	9/26/2001	--	2.15	NP	--	--	WI
MW-1	12/3/2001	--	1.35	NP	--	--	--
MW-1	6/6/2002	--	1.54	NP	--	--	--
MW-1	6/26/2003	--	1.62	NP	--	--	--
MW-1	12/9/2003	--	1.37	NP	--	--	--
MW-1	4/7/2004	--	1.25	NP	--	--	--
MW-1	11/16/2004	--	1.82	NP	--	--	--
MW-1	3/29/2005	--	1.00	NP	--	--	--
MW-1	6/22/2005	--	1.40	NP	--	--	--
MW-1	9/12/2005	--	1.95	NP	--	--	--
MW-1	12/6/2005	--	1.64	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	6/5/2006	--	1.77	NP	--	--	--
MW-1	9/24/2007	--	2.98	NP	--	--	--
MW-1	12/31/2007	--	--	--	--	--	WI
MW-1	1/30/2008	--	2.83	NP	--	--	--
MW-1	4/3/2008	--	3.13	NP	--	--	--
MW-1	7/2/2008	--	3.88	NP	--	--	--
MW-1	10/3/2008	--	3.53	NP	--	--	--
MW-1	1/5/2009	--	2.87	NP	--	--	--
MW-1	4/7/2009	--	3.08	NP	--	--	--
MW-1	7/8/2009	--	2.89	NP	--	--	--
MW-1	10/6/2009	--	3.03	NP	--	--	--
MW-1	1/5/2010	--	2.06	NP	--	--	--
MW-1	5/25/2010	--	2.20	NP	--	--	--
MW-1	8/19/2010	--	2.59	NP	--	--	--
MW-1	12/7/2010	--	2.18	NP	--	--	--
MW-1	1/26/2011	--	1.69	NP	--	--	--
MW-1	6/16/2011	--	1.97	NP	--	--	--
MW-1	9/22/2011	--	3.04	NP	--	--	--
MW-1	12/6/2011	--	3.40	NP	--	--	--
MW-1	3/8/2012	--	2.05	NP	--	--	--
MW-1	6/19/2012	--	2.04	NP	--	--	--
MW-1	9/21/2012	--	2.50	NP	--	--	--
MW-1	12/11/2012	--	1.57	NP	--	--	--
MW-1	6/25/2013	--	1.88	NP	--	--	--
MW-1	9/25/2013	--	2.14	NP	--	--	--
MW-1	11/14/2013	--	2.09	NP	--	--	--
MW-1	2/12/2014	--	1.62	NP	--	--	--
MW-1	4/1/2014	--	1.22	NP	--	--	--
MW-1	7/9/2014	--	1.90	NP	--	--	--
MW-1	10/20/2014	--	2.13	NP	--	--	--
MW-1	1/19/2015	--	1.45	NP	--	--	--
MW-1	12/14/2015	--	1.34	NP	--	--	--
MW-1	3/10/2016	--	0.74	NP	--	--	--
MW-2	10/5/1994	261.52	10.09	NP	--	251.43	--
MW-2	2/15/1995	261.52	9.05	NP	--	252.47	--
MW-2	4/11/1995	261.52	9.05	NP	--	252.47	--
MW-2	7/20/1995	261.52	9.70	NP	--	251.82	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	10/25/1995	261.52	9.33	NP	--	252.19	--
MW-2	1/23/1996	261.52	8.22	NP	--	253.30	--
MW-2	4/17/1996	261.52	9.20	NP	--	252.32	--
MW-2	7/8/1996	261.52	9.45	NP	--	252.07	--
MW-2	10/10/1996	261.52	9.53	NP	--	251.99	--
MW-2	3/11/1997	261.52	8.31	NP	--	253.21	--
MW-2	5/29/1997	261.52	5.54	NP	--	255.98	--
MW-2	8/5/1997	261.52	9.40	NP	--	252.12	--
MW-2	10/23/1997	261.52	9.06	NP	--	252.46	--
MW-2	3/11/1998	261.52	12.71	NP	--	248.81	--
MW-2	6/30/1998	261.52	10.17	NP	--	251.35	--
MW-2	9/25/1998	261.52	10.14	NP	--	251.38	--
MW-2	3/9/1999	261.52	11.12	NP	--	250.40	--
MW-2	6/2/1999	261.52	9.66	NP	--	251.86	--
MW-2	9/27/1999	261.52	9.85	NP	--	251.67	--
MW-2	12/20/1999	261.52	8.85	NP	--	252.67	--
MW-2	3/16/2000	261.52	9.53	NP	--	251.99	--
MW-2	6/30/2000	261.52	9.74	NP	--	251.78	--
MW-2	9/27/2000	261.52	9.74	NP	--	251.78	--
MW-2	11/10/2000	261.52	8.80	NP	--	252.72	--
MW-2	3/19/2001	261.52	8.69	NP	--	252.83	--
MW-2	6/27/2001	261.52	9.32	NP	--	252.20	--
MW-2	9/26/2001	261.52	10.20	NP	--	251.32	--
MW-2	12/3/2001	261.52	9.00	NP	--	252.52	--
MW-2	6/6/2002	261.52	9.65	NP	--	251.87	--
MW-2	6/26/2003	261.52	9.68	NP	--	251.84	--
MW-2	12/9/2003	261.52	8.93	NP	--	252.59	--
MW-2	4/7/2004	261.52	8.21	NP	--	253.31	--
MW-2	11/16/2004	261.52	8.36	NP	--	253.16	--
MW-2	3/29/2005	261.52	7.35	NP	--	254.17	--
MW-2	6/22/2005	261.52	8.10	NP	--	253.42	--
MW-2	9/12/2005	261.52	9.01	NP	--	252.51	--
MW-2	12/6/2005	261.52	7.56	NP	--	253.96	--
MW-2	6/5/2006	261.52	7.66	NP	--	253.86	--
MW-2	9/29/2006	261.52	16.28	NP	--	245.24	--
MW-2	12/19/2006	261.52	8.05	NP	--	253.47	--
MW-2	9/24/2007	261.52	10.04	NP	--	251.48	--
MW-2	12/31/2007	261.52	9.01	NP	--	252.51	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	1/30/2008	261.52	8.97	NP	--	252.55	--
MW-2	4/3/2008	261.52	15.90	NP	--	245.62	--
MW-2	7/2/2008	261.52	14.90	NP	--	246.62	--
MW-2	10/3/2008	261.52	15.56	NP	--	245.96	--
MW-2	1/5/2009	261.52	13.52	NP	--	248.00	--
MW-2	4/8/2009	261.52	15.38	NP	--	246.14	--
MW-2	7/8/2009	261.52	10.52	NP	--	251.00	--
MW-2	10/6/2009	261.52	10.60	NP	--	250.92	--
MW-2	1/5/2010	261.52	9.65	NP	--	251.87	--
MW-2	5/25/2010	261.52	9.89	NP	--	251.63	--
MW-2	8/19/2010	261.52	10.16	NP	--	251.36	--
MW-2	12/7/2010	261.52	9.68	NP	--	251.84	--
MW-2	1/26/2011	261.52	9.26	NP	--	252.26	--
MW-2	6/16/2011	261.52	9.59	NP	--	251.93	--
MW-2	9/22/2011	261.52	14.06	NP	--	247.46	--
MW-2	12/6/2011	261.52	17.30	NP	--	244.22	--
MW-2	3/8/2012	261.52	10.50	NP	--	251.02	--
MW-2	6/19/2012	261.52	9.72	NP	--	251.80	--
MW-2	9/21/2012	261.52	10.09	NP	--	251.43	--
MW-2	12/11/2012	261.52	8.86	NP	--	252.66	--
MW-2	6/25/2013	261.52	9.50	NP	--	252.02	--
MW-2	9/25/2013	261.52	9.69	NP	--	251.83	--
MW-2	11/14/2013	261.52	9.34	NP	--	252.18	--
MW-2	2/12/2014	261.52	8.92	NP	--	252.60	--
MW-2	4/2/2014	261.52	8.51	NP	--	253.01	--
MW-2	7/10/2014	261.52	9.42	NP	--	252.10	--
MW-2	10/21/2014	261.52	9.46	NP	--	252.06	--
MW-2	1/20/2015	261.52	8.75	NP	--	252.77	--
MW-2	12/14/2015	261.52	8.34	NP	--	253.18	--
MW-2	3/10/2016	261.52	7.81	NP	--	253.71	--
MW-2	8/29/2016	261.52	9.45	NP	--	252.07	--
MW-2	11/21/2016	261.52	8.30	NP	--	253.22	--
MW-2	2/15/2017	261.52	7.58	NP	--	253.94	--
MW-2	5/26/2017	261.52	--	--	--	--	WI
MW-2	10/17/2017	261.52	9.19	NP	--	252.33	--
MW-2	2/8/2018	261.52	7.73	NP	--	253.79	--
MW-2	9/11/2018	261.52	9.11	NP	--	252.41	--
MW-2	11/15/2018	261.52	8.93	NP	--	252.59	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	10/5/1994	--	10.10	NP	--	--	--
MW-3	2/15/1995	--	8.83	NP	--	--	--
MW-3	4/10/1995	--	8.90	NP	--	--	--
MW-3	7/20/1995	--	9.65	NP	--	--	--
MW-3	10/25/1995	--	9.27	NP	--	--	--
MW-3	1/23/1996	--	8.12	NP	--	--	--
MW-3	4/17/1996	--	9.17	NP	--	--	--
MW-3	7/8/1996	--	9.21	NP	--	--	--
MW-3	10/10/1996	--	9.60	NP	--	--	--
MW-3	3/11/1997	--	8.21	NP	--	--	--
MW-3	5/29/1997	--	8.13	NP	--	--	--
MW-3	8/5/1997	--	8.13	NP	--	--	--
MW-3	10/23/1997	--	11.31	NP	--	--	--
MW-3	3/11/1998	--	9.57	NP	--	--	--
MW-3	6/30/1998	--	9.82	NP	--	--	--
MW-3	9/25/1998	--	10.14	NP	--	--	--
MW-3	12/29/1998	--	9.15	NP	--	--	--
MW-3	3/9/1999	--	9.50	NP	--	--	--
MW-3	6/2/1999	--	9.41	NP	--	--	--
MW-3	9/27/1999	--	9.43	NP	--	--	--
MW-3	12/20/1999	--	8.20	NP	--	--	--
MW-3	3/16/2000	--	9.30	NP	--	--	--
MW-3	6/30/2000	--	9.66	NP	--	--	--
MW-3	9/27/2000	--	9.78	NP	--	--	--
MW-3	11/10/2000	--	8.88	NP	--	--	--
MW-3	3/19/2001	--	8.90	NP	--	--	--
MW-3	6/27/2001	--	9.62	NP	--	--	--
MW-3	9/26/2001	--	10.28	NP	--	--	WI
MW-3	12/3/2001	--	8.10	NP	--	--	--
MW-3	6/6/2002	--	9.70	NP	--	--	--
MW-3	6/26/2003	--	9.65	NP	--	--	--
MW-3	12/9/2003	--	8.87	NP	--	--	--
MW-3	4/7/2004	--	8.27	NP	--	--	--
MW-3	11/16/2004	--	8.40	NP	--	--	--
MW-3	3/29/2005	--	7.64	NP	--	--	--
MW-3	6/22/2005	--	8.67	NP	--	--	--
MW-3	9/12/2005	--	9.85	NP	--	--	--
MW-3	12/6/2005	--	7.83	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	6/5/2006	--	7.76	NP	--	--	--
MW-3	9/24/2007	--	10.20	NP	--	--	--
MW-3	12/31/2007	--	--	--	--	--	WI
MW-3	1/30/2008	--	8.73	NP	--	--	--
MW-3	4/3/2008	--	15.05	NP	--	--	--
MW-3	7/2/2008	--	14.86	NP	--	--	--
MW-3	10/3/2008	--	15.07	NP	--	--	--
MW-3	1/5/2009	--	12.74	NP	--	--	--
MW-3	4/7/2009	--	15.33	NP	--	--	--
MW-3	7/8/2009	--	10.41	NP	--	--	--
MW-3	10/6/2009	--	10.56	NP	--	--	--
MW-3	1/5/2010	--	9.48	NP	--	--	--
MW-3	5/25/2010	--	9.70	NP	--	--	--
MW-3	8/19/2010	--	10.15	NP	--	--	--
MW-3	12/7/2010	--	9.51	NP	--	--	--
MW-3	1/26/2011	--	8.80	NP	--	--	--
MW-3	6/16/2011	--	9.50	NP	--	--	--
MW-3	9/22/2011	--	14.25	NP	--	--	--
MW-3	3/8/2012	--	10.48	NP	--	--	--
MW-3	6/19/2012	--	9.54	NP	--	--	--
MW-3	9/21/2012	--	10.22	NP	--	--	--
MW-3	12/11/2012	--	8.35	NP	--	--	--
MW-3	6/25/2013	--	9.45	NP	--	--	--
MW-3	9/25/2013	--	9.78	NP	--	--	--
MW-3	11/14/2013	--	9.33	NP	--	--	--
MW-3	2/12/2014	--	8.83	NP	--	--	--
MW-3	4/2/2014	--	8.39	NP	--	--	--
MW-3	7/9/2014	--	9.53	NP	--	--	--
MW-3	10/20/2014	--	9.65	NP	--	--	--
MW-3	1/19/2015	--	8.64	NP	--	--	--
MW-4	10/5/1994	--	19.69	19.50	0.19	--	--
MW-4	2/15/1995	--	18.60	14.89	3.71	--	--
MW-4	4/10/1995	--	16.90	16.53	0.37	--	--
MW-4	10/25/1995	--	18.24	NP	--	--	--
MW-4	1/23/1996	--	15.37	NP	--	--	--
MW-4	4/17/1996	--	16.80	NP	--	--	--
MW-4	7/8/1996	--	15.29	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-4	10/10/1996	--	18.55	18.53	0.02	--	--
MW-4	3/11/1997	--	15.59	NP	--	--	--
MW-4	5/29/1997	--	15.65	14.93	0.72	--	--
MW-4	8/5/1997	--	16.39	15.91	0.48	--	--
MW-4	10/23/1997	--	19.72	19.70	0.02	--	--
MW-4	3/11/1998	--	14.74	NP	--	--	--
MW-4	6/30/1998	--	17.57	NP	--	--	--
MW-4	9/25/1998	--	17.80	NP	--	--	--
MW-4	12/29/1998	--	15.73	NP	--	--	--
MW-4	3/9/1999	--	14.70	NP	--	--	--
MW-4	6/2/1999	--	16.21	NP	--	--	--
MW-4	9/27/1999	--	18.58	NP	--	--	--
MW-4	12/20/1999	--	15.40	NP	--	--	--
MW-4	3/16/2000	--	15.85	NP	--	--	--
MW-4	6/30/2000	--	17.65	NP	--	--	--
MW-4	9/27/2000	--	18.25	NP	--	--	--
MW-4	11/10/2000	--	17.36	17.35	0.01	--	--
MW-4	3/19/2001	--	17.39	NP	--	--	--
MW-4	6/27/2001	--	17.83	NP	--	--	--
MW-4	9/26/2001	--	18.27	NP	--	--	--
MW-4	12/3/2001	--	16.05	NP	--	--	--
MW-4	6/6/2002	--	17.41	NP	--	--	--
MW-4	6/26/2003	--	17.56	NP	--	--	--
MW-4	12/9/2003	--	16.40	NP	--	--	--
MW-4	4/7/2004	--	16.53	NP	--	--	--
MW-4	11/16/2004	--	17.20	17.10	0.10	--	--
MW-4	3/29/2005	261.16	15.06	NP	--	246.10	--
MW-4	6/22/2005	261.16	16.97	NP	--	244.19	--
MW-4	9/12/2005	261.16	18.09	NP	--	243.07	--
MW-4	12/6/2005	261.16	16.75	NP	--	244.41	--
MW-4	6/5/2006	261.16	16.57	NP	--	244.59	--
MW-4	9/29/2006	261.16	25.28	NP	--	235.88	--
MW-4	12/19/2006	261.16	15.49	NP	--	245.67	--
MW-4	9/24/2007	261.16	18.45	NP	--	242.71	--
MW-4	12/31/2007	261.16	16.41	NP	--	244.75	--
MW-4	1/30/2008	261.16	16.49	NP	--	244.67	--
MW-4	4/3/2008	261.16	22.96	NP	--	238.20	--
MW-4	7/2/2008	261.16	20.43	NP	--	240.73	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-4	10/3/2008	261.16	24.98	NP	--	236.18	--
MW-4	1/5/2009	261.16	21.07	NP	--	240.09	--
MW-4	4/8/2009	261.16	24.52	NP	--	236.64	--
MW-4	7/8/2009	261.16	18.37	NP	--	242.79	--
MW-4	10/6/2009	261.16	18.85	NP	--	242.31	--
MW-4	1/5/2010	261.16	16.52	NP	--	244.64	--
MW-4	5/25/2010	261.16	17.11	NP	--	244.05	--
MW-4	8/19/2010	261.16	18.00	NP	--	243.16	--
MW-4	12/7/2010	261.16	16.60	NP	--	244.56	--
MW-4	1/26/2011	261.16	15.32	NP	--	245.84	--
MW-4	6/16/2011	261.16	16.72	NP	--	244.44	--
MW-4	9/22/2011	261.16	20.26	NP	--	240.90	--
MW-4	12/6/2011	261.16	21.94	NP	--	239.22	--
MW-4	3/8/2012	261.16	17.42	NP	--	243.74	--
MW-4	6/19/2012	261.16	17.22	NP	--	243.94	--
MW-4	9/21/2012	261.16	18.25	NP	--	242.91	--
MW-4	12/11/2012	261.16	15.80	NP	--	245.36	--
MW-4	6/25/2013	261.16	17.15	NP	--	244.01	--
MW-4	9/25/2013	261.16	17.88	NP	--	243.28	--
MW-4	11/14/2013	261.16	17.32	NP	--	243.84	--
MW-4	2/12/2014	261.16	16.80	NP	--	244.36	--
MW-4	4/2/2014	261.16	14.55	NP	--	246.61	--
MW-4	7/10/2014	261.16	17.24	NP	--	243.92	--
MW-4	10/22/2014	261.16	17.44	NP	--	243.72	--
MW-4	1/20/2015	261.16	15.72	NP	--	245.44	--
MW-4	12/16/2015	261.16	15.04	NP	--	246.12	--
MW-4	3/11/2016	261.16	14.24	NP	--	246.92	--
MW-4	8/29/2016	261.16	18.04	NP	--	243.12	--
MW-4	11/21/2016	261.16	15.31	NP	--	245.85	--
MW-4	2/15/2017	261.16	14.20	NP	--	246.96	--
MW-4	5/26/2017	261.16	15.21	NP	--	245.95	--
MW-4	10/17/2017	261.16	17.98	NP	--	243.18	--
MW-4	2/8/2018	261.16	14.25	NP	--	246.91	--
MW-4	9/11/2018	261.16	17.85	NP	--	243.31	--
MW-4	11/15/2018	261.16	17.40	NP	--	243.76	--
MW-5	10/5/1994	--	19.20	NP	--	--	--
MW-5	2/15/1995	--	16.20	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-5	4/10/1995	--	16.59	NP	--	--	--
MW-5	7/20/1995	--	16.96	NP	--	--	--
MW-5	10/26/1995	--	16.55	NP	--	--	--
MW-5	1/23/1996	--	15.30	NP	--	--	--
MW-5	4/17/1996	--	12.72	NP	--	--	--
MW-5	7/8/1996	--	16.25	NP	--	--	--
MW-5	3/11/1997	261.04	14.80	NP	--	246.24	--
MW-5	5/29/1997	261.04	12.38	NP	--	248.66	--
MW-5	8/5/1997	261.04	15.54	NP	--	245.50	--
MW-5	10/23/1997	261.04	15.29	NP	--	245.75	--
MW-5	3/11/1998	261.04	14.03	NP	--	247.01	--
MW-5	6/30/1998	261.04	13.17	NP	--	247.87	--
MW-5	9/25/1998	261.04	16.79	NP	--	244.25	--
MW-5	12/29/1998	261.04	13.12	NP	--	247.92	--
MW-5	3/9/1999	261.04	10.04	NP	--	251.00	--
MW-5	6/2/1999	261.04	16.11	NP	--	244.93	--
MW-5	9/27/1999	261.04	15.50	NP	--	245.54	--
MW-5	12/20/1999	261.04	15.00	NP	--	246.04	--
MW-5	3/16/2000	261.04	11.39	NP	--	249.65	--
MW-5	6/30/2000	261.04	16.93	NP	--	244.11	--
MW-5	9/27/2000	261.04	17.67	NP	--	243.37	--
MW-5	11/10/2000	261.04	17.10	NP	--	243.94	--
MW-5	3/19/2001	261.04	16.57	NP	--	244.47	--
MW-5	6/27/2001	261.04	16.52	NP	--	244.52	--
MW-5	9/26/2001	261.04	14.22	NP	--	246.82	--
MW-5	12/3/2001	261.04	15.32	NP	--	245.72	--
MW-5	6/26/2003	261.04	16.83	NP	--	244.21	--
MW-5	12/9/2003	261.04	15.59	NP	--	245.45	--
MW-5	4/7/2004	261.04	16.10	NP	--	244.94	--
MW-5	11/16/2004	261.04	16.58	NP	--	244.46	--
MW-5	3/29/2005	261.04	16.03	NP	--	245.01	--
MW-5	6/22/2005	261.04	16.57	NP	--	244.47	--
MW-5	9/12/2005	261.04	17.44	NP	--	243.60	--
MW-5	12/6/2005	261.04	15.86	NP	--	245.18	--
MW-5	6/5/2006	261.04	15.78	NP	--	245.26	--
MW-5	9/29/2006	261.04	23.75	NP	--	237.29	--
MW-5	12/19/2006	261.04	14.58	NP	--	246.46	--
MW-5	9/24/2007	261.04	17.61	NP	--	243.43	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-5	12/31/2007	261.04	15.40	NP	--	245.64	--
MW-5	1/30/2008	261.04	15.50	NP	--	245.54	--
MW-5	4/3/2008	261.04	20.44	NP	--	240.60	--
MW-5	7/2/2008	261.04	19.21	NP	--	241.83	--
MW-5	10/3/2008	261.04	22.82	NP	--	238.22	--
MW-5	1/5/2009	261.04	20.60	NP	--	240.44	--
MW-5	4/8/2009	261.04	21.52	NP	--	239.52	--
MW-5	7/8/2009	261.04	17.51	NP	--	243.53	--
MW-5	10/6/2009	261.04	18.30	NP	--	242.74	--
MW-5	1/5/2010	261.04	15.62	NP	--	245.42	--
MW-5	5/25/2010	261.04	16.25	NP	--	244.79	--
MW-5	8/19/2010	261.04	17.40	NP	--	243.64	--
MW-5	12/7/2010	261.04	15.81	NP	--	245.23	--
MW-5	1/26/2011	261.04	14.56	NP	--	246.48	--
MW-5	6/16/2011	261.04	15.95	NP	--	245.09	--
MW-5	9/22/2011	261.04	19.22	NP	--	241.82	--
MW-5	12/6/2011	261.04	20.45	NP	--	240.59	--
MW-5	3/8/2012	261.04	16.40	NP	--	244.64	--
MW-5	6/19/2012	261.04	16.27	NP	--	244.77	--
MW-5	9/21/2012	261.04	17.65	NP	--	243.39	--
MW-5	12/11/2012	261.04	14.24	NP	--	246.80	--
MW-5	6/25/2013	261.04	16.34	NP	--	244.70	--
MW-5	9/25/2013	261.04	17.37	NP	--	243.67	--
MW-5	11/14/2013	261.04	16.69	NP	--	244.35	--
MW-5	2/12/2014	261.04	15.95	NP	--	245.09	--
MW-5	4/1/2014	261.04	14.15	NP	--	246.89	--
MW-5	7/10/2014	261.04	16.72	NP	--	244.32	--
MW-5	10/21/2014	261.04	17.05	NP	--	243.99	--
MW-5	1/20/2015	261.04	14.53	NP	--	246.51	--
MW-5	12/14/2015	261.04	15.09	NP	--	245.95	--
MW-5	3/10/2016	261.04	13.82	NP	--	247.22	--
MW-5	8/29/2016	261.04	17.70	NP	--	243.34	--
MW-5	11/21/2016	261.04	14.77	NP	--	246.27	--
MW-5	2/15/2017	261.04	13.42	NP	--	247.62	--
MW-5	5/26/2017	261.04	14.82	NP	--	246.22	--
MW-5	10/17/2017	261.04	17.61	NP	--	243.43	--
MW-5	2/8/2018	261.04	13.66	NP	--	247.38	--
MW-5	9/11/2018	261.04	--	--	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-6	10/5/1994	--	10.35	NP	--	--	--
MW-6	2/15/1995	--	9.24	NP	--	--	--
MW-6	4/10/1995	--	9.29	NP	--	--	--
MW-6	7/20/1995	--	10.08	NP	--	--	--
MW-6	10/25/1995	--	9.77	NP	--	--	--
MW-6	1/23/1996	--	8.56	NP	--	--	--
MW-6	4/17/1996	--	9.50	NP	--	--	--
MW-6	7/8/1996	--	9.65	NP	--	--	--
MW-6	10/10/1996	--	9.95	NP	--	--	--
MW-6	3/11/1997	--	8.69	NP	--	--	--
MW-6	5/29/1997	--	8.73	NP	--	--	--
MW-6	8/5/1997	--	8.90	NP	--	--	--
MW-6	10/23/1997	--	8.08	NP	--	--	--
MW-6	3/11/1998	--	11.51	NP	--	--	--
MW-6	6/30/1998	--	10.44	NP	--	--	--
MW-6	9/25/1998	--	10.56	NP	--	--	--
MW-6	12/29/1998	--	9.68	NP	--	--	--
MW-6	3/9/1999	--	11.23	NP	--	--	--
MW-6	6/2/1999	--	9.89	NP	--	--	--
MW-6	9/27/1999	--	8.22	NP	--	--	--
MW-6	12/20/1999	--	9.30	NP	--	--	--
MW-6	3/16/2000	--	9.64	NP	--	--	--
MW-6	6/30/2000	--	10.10	NP	--	--	--
MW-6	9/27/2000	--	10.51	NP	--	--	--
MW-6	11/10/2000	--	9.25	NP	--	--	--
MW-6	3/19/2001	--	9.15	NP	--	--	--
MW-6	6/27/2001	--	9.96	NP	--	--	--
MW-6	9/26/2001	--	10.53	NP	--	--	WI
MW-6	12/3/2001	--	9.05	NP	--	--	--
MW-6	6/26/2003	--	10.02	NP	--	--	--
MW-6	12/9/2003	--	9.25	NP	--	--	--
MW-6	4/7/2004	--	8.65	NP	--	--	--
MW-6	11/16/2004	--	8.82	NP	--	--	--
MW-6	3/29/2005	--	8.10	NP	--	--	--
MW-6	6/22/2005	--	8.77	NP	--	--	--
MW-6	9/12/2005	--	9.65	NP	--	--	--
MW-6	12/6/2005	--	8.24	NP	--	--	--
MW-6	6/5/2006	--	8.08	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-6	9/29/2006	--	15.73	NP	--	--	--
MW-6	12/19/2006	--	8.21	NP	--	--	--
MW-6	9/24/2007	--	10.55	NP	--	--	--
MW-6	12/31/2007	--	--	--	--	--	WI
MW-6	1/30/2008	--	9.09	NP	--	--	--
MW-6	4/3/2008	--	15.89	NP	--	--	--
MW-6	7/2/2008	--	15.43	NP	--	--	--
MW-6	10/3/2008	--	15.48	NP	--	--	--
MW-6	1/5/2009	--	13.06	NP	--	--	--
MW-6	4/8/2009	--	17.48	NP	--	--	--
MW-6	7/8/2009	--	11.00	NP	--	--	--
MW-6	10/6/2009	--	11.17	NP	--	--	--
MW-6	1/5/2010	--	10.06	NP	--	--	--
MW-6	5/25/2010	--	10.26	NP	--	--	--
MW-6	8/19/2010	--	10.66	NP	--	--	--
MW-6	12/7/2010	--	10.04	NP	--	--	--
MW-6	1/26/2011	--	9.48	NP	--	--	--
MW-6	6/16/2011	--	9.98	NP	--	--	--
MW-6	9/22/2011	--	14.79	NP	--	--	--
MW-6	12/6/2011	--	17.88	NP	--	--	--
MW-6	3/8/2012	--	11.03	NP	--	--	--
MW-6	6/19/2012	--	15.09	NP	--	--	--
MW-6	9/21/2012	--	10.71	NP	--	--	--
MW-6	12/11/2012	--	9.46	NP	--	--	--
MW-6	6/25/2013	--	10.03	NP	--	--	--
MW-6	9/25/2013	--	10.32	NP	--	--	--
MW-6	11/14/2013	--	9.86	NP	--	--	--
MW-6	2/12/2014	--	9.44	NP	--	--	--
MW-6	4/1/2014	--	8.87	NP	--	--	--
MW-6	7/9/2014	--	9.97	NP	--	--	--
MW-6	10/20/2014	--	10.09	NP	--	--	--
MW-6	1/19/2015	--	9.05	NP	--	--	--
MW-6	12/14/2015	--	8.81	NP	--	--	--
MW-6	3/10/2016	--	8.46	NP	--	--	--
MW-7	10/5/1994	--	17.62	NP	--	--	--
MW-7	2/15/1995	--	15.00	NP	--	--	--
MW-7	4/10/1995	--	15.10	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-7	7/20/1995	--	16.70	NP	--	--	--
MW-7	10/26/1995	--	16.38	NP	--	--	--
MW-7	1/23/1996	--	14.26	NP	--	--	--
MW-7	4/17/1996	--	15.39	NP	--	--	--
MW-7	7/8/1996	--	15.65	NP	--	--	--
MW-7	10/10/1996	--	16.35	NP	--	--	--
MW-7	3/11/1997	--	14.21	NP	--	--	--
MW-7	5/29/1997	--	11.56	NP	--	--	--
MW-7	8/5/1997	--	14.92	NP	--	--	--
MW-7	10/23/1997	--	13.96	NP	--	--	--
MW-7	3/11/1998	--	14.30	NP	--	--	--
MW-7	6/30/1998	--	15.88	NP	--	--	--
MW-7	12/29/1998	--	13.98	NP	--	--	--
MW-7	3/9/1999	--	13.59	NP	--	--	--
MW-7	6/2/1999	--	14.84	NP	--	--	--
MW-7	9/27/1999	--	15.10	NP	--	--	--
MW-7	12/20/1999	--	14.00	NP	--	--	--
MW-7	3/16/2000	--	14.55	NP	--	--	--
MW-7	6/30/2000	--	16.08	NP	--	--	--
MW-7	9/27/2000	--	16.53	NP	--	--	--
MW-7	11/10/2000	--	15.85	NP	--	--	--
MW-7	3/19/2001	--	15.48	NP	--	--	--
MW-7	6/27/2001	--	16.11	NP	--	--	--
MW-7	9/26/2001	--	16.67	NP	--	--	--
MW-7	12/3/2001	--	14.29	NP	--	--	--
MW-7	12/9/2003	--	14.50	NP	--	--	--
MW-7	4/7/2004	--	14.97	NP	--	--	--
MW-7	11/16/2004	--	15.24	NP	--	--	--
MW-7	3/29/2005	--	14.41	NP	--	--	--
MW-7	6/22/2005	--	15.39	NP	--	--	--
MW-7	9/12/2005	--	16.18	NP	--	--	--
MW-7	12/6/2005	--	14.47	NP	--	--	--
MW-7	6/5/2006	--	14.43	NP	--	--	--
MW-7	9/29/2006	--	21.71	NP	--	--	--
MW-7	12/19/2006	--	13.63	NP	--	--	--
MW-7	9/24/2007	--	--	--	--	--	Dry
MW-7	12/31/2007	--	14.54	NP	--	--	--
MW-7	1/30/2008	--	14.66	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-7	4/3/2008	--	19.26	NP	--	--	--
MW-7	7/2/2008	--	18.34	NP	--	--	--
MW-7	10/3/2008	--	20.13	NP	--	--	--
MW-7	1/5/2009	--	18.50	NP	--	--	--
MW-7	4/8/2009	--	20.85	NP	--	--	--
MW-7	7/8/2009	--	16.45	NP	--	--	--
MW-7	10/6/2009	--	16.98	NP	--	--	--
MW-7	1/5/2010	--	14.77	NP	--	--	--
MW-7	5/25/2010	--	15.45	NP	--	--	--
MW-7	8/19/2010	--	16.30	NP	--	--	--
MW-7	12/7/2010	--	14.88	NP	--	--	--
MW-7	1/26/2011	--	13.84	NP	--	--	--
MW-7	6/16/2011	--	15.05	NP	--	--	--
MW-7	9/22/2011	--	18.12	NP	--	--	--
MW-7	12/6/2011	--	19.71	NP	--	--	--
MW-7	3/8/2012	--	15.50	NP	--	--	--
MW-7	6/19/2012	--	15.09	NP	--	--	--
MW-7	9/21/2012	--	16.37	NP	--	--	--
MW-7	12/11/2012	--	13.45	NP	--	--	--
MW-7	6/25/2013	--	15.19	NP	--	--	--
MW-7	9/25/2013	--	15.85	NP	--	--	--
MW-7	11/14/2013	--	15.32	NP	--	--	--
MW-7	2/12/2014	--	15.77	NP	--	--	--
MW-7	4/1/2014	--	13.15	NP	--	--	--
MW-7	7/9/2014	--	15.56	NP	--	--	--
MW-7	10/20/2014	--	15.63	NP	--	--	--
MW-7	1/19/2015	--	14.06	NP	--	--	--
MW-8	10/5/1994	--	18.11	NP	--	--	--
MW-8	2/15/1995	--	15.07	NP	--	--	--
MW-8	4/10/1995	--	15.07	NP	--	--	--
MW-8	7/20/1995	--	16.96	NP	--	--	--
MW-8	10/25/1995	--	16.85	NP	--	--	--
MW-8	1/23/1996	259.58	13.95	NP	--	245.63	--
MW-8	4/17/1996	259.58	15.46	NP	--	244.12	--
MW-8	7/8/1996	259.58	15.89	NP	--	243.69	--
MW-8	10/10/1996	259.58	16.70	NP	--	242.88	--
MW-8	3/11/1997	259.58	14.19	NP	--	245.39	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-8	5/29/1997	259.58	14.41	NP	--	245.17	--
MW-8	8/5/1997	259.58	14.10	NP	--	245.48	--
MW-8	10/23/1997	259.58	14.17	NP	--	245.41	--
MW-8	3/11/1998	259.58	14.00	NP	--	245.58	--
MW-8	6/30/1998	259.58	17.58	NP	--	242.00	--
MW-8	9/25/1998	259.58	17.08	NP	--	242.50	--
MW-8	12/29/1998	259.58	14.49	NP	--	245.09	--
MW-8	3/9/1999	259.58	13.48	NP	--	246.10	--
MW-8	6/2/1999	259.58	15.36	NP	--	244.22	--
MW-8	9/27/1999	259.58	16.79	NP	--	242.79	--
MW-8	12/20/1999	259.58	14.38	NP	--	245.20	--
MW-8	3/16/2000	259.58	14.80	NP	--	244.78	--
MW-8	6/30/2000	259.58	16.35	NP	--	243.23	--
MW-8	9/27/2000	259.58	17.24	NP	--	242.34	--
MW-8	11/10/2000	259.58	16.80	NP	--	242.78	--
MW-8	3/19/2001	259.58	16.05	NP	--	243.53	--
MW-8	6/27/2001	259.58	16.62	NP	--	242.96	--
MW-8	9/26/2001	259.58	17.64	NP	--	241.94	--
MW-8	12/3/2001	259.58	15.17	NP	--	244.41	--
MW-8	6/6/2002	259.58	16.00	NP	--	243.58	--
MW-8	6/26/2003	259.58	16.52	NP	--	243.06	--
MW-8	12/9/2003	259.58	15.45	NP	--	244.13	--
MW-8	4/7/2004	259.58	15.51	NP	--	244.07	--
MW-8	11/16/2004	259.58	16.45	NP	--	243.13	--
MW-8	3/29/2005	259.58	16.08	NP	--	243.50	--
MW-8	6/22/2005	259.58	16.12	NP	--	243.46	--
MW-8	9/12/2005	259.58	17.15	NP	--	242.43	--
MW-8	12/6/2005	259.58	15.80	NP	--	243.78	--
MW-8	6/5/2006	259.58	15.08	NP	--	244.50	--
MW-8	9/24/2007	259.58	17.16	NP	--	242.42	--
MW-8	12/31/2007	259.58	15.00	NP	--	244.58	--
MW-8	1/30/2008	259.58	14.87	NP	--	244.71	--
MW-8	4/2/2008	259.58	18.07	NP	--	241.51	--
MW-8	7/1/2008	259.58	18.34	NP	--	241.24	--
MW-8	10/3/2008	259.58	19.32	NP	--	240.26	--
MW-8	1/6/2009	259.58	18.14	NP	--	241.44	--
MW-8	4/8/2009	259.58	17.70	NP	--	241.88	--
MW-8	7/8/2009	259.58	16.95	NP	--	242.63	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-8	10/6/2009	259.58	17.80	NP	--	241.78	--
MW-8	1/5/2010	259.58	15.11	NP	--	244.47	--
MW-8	5/25/2010	259.58	15.52	NP	--	244.06	--
MW-8	8/19/2010	259.58	16.80	NP	--	242.78	--
MW-8	12/7/2010	259.58	15.54	NP	--	244.04	--
MW-8	1/26/2011	259.58	13.80	NP	--	245.78	--
MW-8	6/16/2011	259.58	15.15	NP	--	244.43	--
MW-8	9/22/2011	259.58	18.25	NP	--	241.33	--
MW-8	12/6/2011	259.58	18.16	NP	--	241.42	--
MW-8	3/8/2012	259.58	15.89	NP	--	243.69	--
MW-8	6/19/2012	259.58	12.67	NP	--	246.91	--
MW-8	9/21/2012	259.58	17.20	NP	--	242.38	--
MW-8	12/11/2012	259.58	14.28	NP	--	245.30	--
MW-8	6/26/2013	259.58	15.85	NP	--	243.73	--
MW-8	9/25/2013	259.58	16.98	NP	--	242.60	--
MW-8	11/15/2013	259.58	16.45	NP	--	243.13	--
MW-8	2/13/2014	259.58	15.84	NP	--	243.74	--
MW-8	4/2/2014	259.58	13.65	NP	--	245.93	--
MW-8	7/10/2014	259.58	16.03	NP	--	243.55	--
MW-8	10/21/2014	259.58	16.79	NP	--	242.79	--
MW-8	1/19/2015	259.58	14.35	NP	--	245.23	--
MW-8	6/1/2016	259.58	15.25	NP	--	244.33	--
MW-8	8/29/2016	259.58	17.04	NP	--	242.54	--
MW-8	11/21/2016	259.58	14.69	NP	--	244.89	--
MW-8	2/15/2017	259.58	10.47	NP	--	249.11	--
MW-8	5/26/2017	259.58	12.43	NP	--	247.15	--
MW-8	10/17/2017	259.58	16.62	NP	--	242.96	--
MW-8	2/8/2018	259.58	11.71	NP	--	247.87	--
MW-8	9/11/2018	259.58	16.78	NP	--	242.80	--
MW-8	11/15/2018	259.58	16.66	NP	--	242.92	--
MW-9	10/5/1994	--	19.51	NP	--	--	--
MW-9	2/15/1995	--	16.71	NP	--	--	--
MW-9	4/10/1995	--	16.83	NP	--	--	--
MW-9	7/20/1995	--	18.66	NP	--	--	--
MW-9	10/25/1995	--	18.29	NP	--	--	--
MW-9	1/23/1996	258.96	15.47	NP	--	243.49	--
MW-9	4/17/1996	258.96	17.18	NP	--	241.78	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-9	7/8/1996	258.96	17.73	NP	--	241.23	--
MW-9	10/10/1996	258.96	18.47	NP	--	240.49	--
MW-9	3/11/1997	258.96	15.91	NP	--	243.05	--
MW-9	5/29/1997	258.96	14.77	NP	--	244.19	--
MW-9	8/5/1997	258.96	16.21	NP	--	242.75	--
MW-9	10/23/1997	258.96	15.81	NP	--	243.15	--
MW-9	3/11/1998	258.96	15.88	NP	--	243.08	--
MW-9	6/30/1998	258.96	17.97	NP	--	240.99	--
MW-9	9/25/1998	258.96	18.57	NP	--	240.39	--
MW-9	12/29/1998	258.96	15.84	NP	--	243.12	--
MW-9	3/9/1999	258.96	15.00	NP	--	243.96	--
MW-9	6/2/1999	258.96	17.17	NP	--	241.79	--
MW-9	9/27/1999	258.96	18.39	NP	--	240.57	--
MW-9	12/20/1999	258.96	15.85	NP	--	243.11	--
MW-9	3/16/2000	258.96	16.35	NP	--	242.61	--
MW-9	6/30/2000	258.96	18.05	NP	--	240.91	--
MW-9	9/27/2000	258.96	18.87	NP	--	240.09	--
MW-9	11/10/2000	258.96	18.04	NP	--	240.92	--
MW-9	3/19/2001	258.96	17.50	NP	--	241.46	--
MW-9	6/27/2001	258.96	18.08	NP	--	240.88	--
MW-9	9/26/2001	258.96	18.80	NP	--	240.16	--
MW-9	12/3/2001	258.96	16.25	NP	--	242.71	WI
MW-9	6/6/2002	258.96	17.72	NP	--	241.24	--
MW-9	6/26/2003	258.96	18.07	NP	--	240.89	--
MW-9	12/9/2003	258.96	16.51	NP	--	242.45	--
MW-9	4/7/2004	258.96	17.10	NP	--	241.86	--
MW-9	11/16/2004	258.96	17.21	NP	--	241.75	--
MW-9	3/29/2005	258.96	16.81	NP	--	242.15	--
MW-9	6/22/2005	258.96	17.70	NP	--	241.26	--
MW-9	9/12/2005	258.96	18.64	NP	--	240.32	--
MW-9	12/6/2005	258.96	17.10	NP	--	241.86	--
MW-9	6/5/2006	258.96	17.01	NP	--	241.95	--
MW-9	9/24/2007	258.96	18.88	NP	--	240.08	--
MW-9	12/31/2007	258.96	16.57	NP	--	242.39	--
MW-9	1/30/2008	258.96	--	--	--	--	WI
MW-9	4/2/2008	258.96	19.63	NP	--	239.33	--
MW-9	7/1/2008	258.96	19.99	NP	--	238.97	--
MW-9	10/3/2008	258.96	20.74	NP	--	238.22	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-9	1/6/2009	258.96	19.11	NP	--	239.85	--
MW-9	4/8/2009	258.96	18.98	NP	--	239.98	--
MW-9	7/8/2009	258.96	18.55	NP	--	240.41	--
MW-9	10/6/2009	258.96	19.19	NP	--	239.77	--
MW-9	1/5/2010	258.96	15.50	NP	--	243.46	--
MW-9	5/25/2010	258.96	17.17	NP	--	241.79	--
MW-9	8/19/2010	258.96	18.39	NP	--	240.57	--
MW-9	12/7/2010	258.96	16.95	NP	--	242.01	--
MW-9	1/26/2011	258.96	15.18	NP	--	243.78	--
MW-9	6/16/2011	258.96	16.84	NP	--	242.12	--
MW-9	9/22/2011	258.96	19.62	NP	--	239.34	--
MW-9	12/6/2011	258.96	19.14	NP	--	239.82	--
MW-9	3/8/2012	258.96	17.17	NP	--	241.79	--
MW-9	6/19/2012	258.96	17.22	NP	--	241.74	--
MW-9	9/21/2012	258.96	18.54	NP	--	240.42	--
MW-9	12/11/2012	258.96	15.20	NP	--	243.76	--
MW-9	6/26/2013	258.96	17.31	NP	--	241.65	--
MW-9	9/25/2013	258.96	18.23	NP	--	240.73	--
MW-9	11/14/2013	258.96	17.64	NP	--	241.32	--
MW-9	2/14/2014	258.96	16.96	NP	--	242.00	--
MW-9	4/2/2014	258.96	15.05	NP	--	243.91	--
MW-9	7/10/2014	258.96	17.54	NP	--	241.42	--
MW-9	10/21/2014	258.96	17.90	NP	--	241.06	--
MW-9	1/20/2015	258.96	15.88	NP	--	243.08	--
MW-9	12/14/2015	258.96	15.40	NP	--	243.56	--
MW-9	3/10/2016	258.96	14.74	NP	--	244.22	--
MW-9	6/1/2016	258.96	17.06	NP	--	241.90	--
MW-9	8/29/2016	258.96	18.48	NP	--	240.48	--
MW-9	11/21/2016	258.96	15.80	NP	--	243.16	--
MW-9	2/15/2017	258.96	13.94	NP	--	245.02	--
MW-9	5/26/2017	258.96	15.34	NP	--	243.62	--
MW-9	10/17/2017	258.96	18.29	NP	--	240.67	--
MW-9	2/8/2018	258.96	14.09	NP	--	244.87	--
MW-9	9/11/2018	258.96	18.31	NP	--	240.65	--
MW-9	11/15/2018	258.96	17.71	NP	--	241.25	--
MW-10	10/5/1994	256.56	17.52	NP	--	239.04	--
MW-10	2/15/1995	256.56	14.70	NP	--	241.86	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-10	4/10/1995	256.56	14.91	NP	--	241.65	--
MW-10	7/20/1995	256.56	16.67	NP	--	239.89	--
MW-10	10/25/1995	256.56	16.22	NP	--	240.34	--
MW-10	1/23/1996	256.56	13.40	NP	--	243.16	--
MW-10	4/17/1996	256.56	15.27	NP	--	241.29	--
MW-10	7/8/1996	256.56	15.85	NP	--	240.71	--
MW-10	10/10/1996	256.56	16.50	NP	--	240.06	--
MW-10	3/11/1997	256.56	13.91	NP	--	242.65	--
MW-10	5/29/1997	256.56	12.36	NP	--	244.20	--
MW-10	8/5/1997	256.56	16.49	NP	--	240.07	--
MW-10	10/23/1997	256.56	13.82	NP	--	242.74	--
MW-10	3/11/1998	256.56	14.09	NP	--	242.47	--
MW-10	6/30/1998	256.56	16.38	NP	--	240.18	--
MW-10	9/25/1998	256.56	16.69	NP	--	239.87	--
MW-10	12/29/1998	256.56	13.83	NP	--	242.73	--
MW-10	3/9/1999	256.56	13.44	NP	--	243.12	--
MW-10	6/2/1999	256.56	15.31	NP	--	241.25	--
MW-10	9/27/1999	256.56	16.51	NP	--	240.05	--
MW-10	12/20/1999	256.56	13.99	NP	--	242.57	--
MW-10	3/16/2000	256.56	14.60	NP	--	241.96	--
MW-10	6/30/2000	256.56	16.17	NP	--	240.39	--
MW-10	9/27/2000	256.56	17.02	NP	--	239.54	--
MW-10	11/10/2000	256.56	16.02	NP	--	240.54	--
MW-10	3/19/2001	256.56	15.55	NP	--	241.01	--
MW-10	6/27/2001	256.56	16.11	NP	--	240.45	--
MW-10	9/26/2001	256.56	16.90	NP	--	239.66	--
MW-10	12/3/2001	256.56	14.05	NP	--	242.51	WI
MW-10	6/6/2002	256.56	15.95	NP	--	240.61	--
MW-10	6/26/2003	256.56	16.30	NP	--	240.26	--
MW-10	12/9/2003	256.56	14.55	NP	--	242.01	--
MW-10	4/7/2004	256.56	15.36	NP	--	241.20	--
MW-10	11/16/2004	256.56	16.00	NP	--	240.56	--
MW-10	3/29/2005	256.56	14.88	NP	--	241.68	--
MW-10	6/22/2005	256.56	15.95	NP	--	240.61	--
MW-10	9/12/2005	256.56	16.80	NP	--	239.76	--
MW-10	12/6/2005	256.56	15.13	NP	--	241.43	--
MW-10	6/5/2006	256.56	15.22	NP	--	241.34	--
MW-10	9/24/2007	256.56	17.06	NP	--	239.50	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-10	12/31/2007	256.56	14.74	NP	--	241.82	--
MW-10	1/30/2008	256.56	--	--	--	--	WI
MW-10	4/2/2008	256.56	17.65	NP	--	238.91	--
MW-10	7/1/2008	256.56	18.15	NP	--	238.41	--
MW-10	10/3/2008	256.56	18.83	NP	--	237.73	--
MW-10	1/6/2009	256.56	16.96	NP	--	239.60	--
MW-10	4/8/2009	256.56	16.88	NP	--	239.68	--
MW-10	7/8/2009	256.56	16.76	NP	--	239.80	--
MW-10	10/6/2009	256.56	17.32	NP	--	239.24	--
MW-10	1/5/2010	256.56	14.69	NP	--	241.87	--
MW-10	5/25/2010	256.56	15.57	NP	--	240.99	--
MW-10	8/19/2010	256.56	16.68	NP	--	239.88	--
MW-10	12/7/2010	256.56	15.15	NP	--	241.41	--
MW-10	1/26/2011	256.56	13.78	NP	--	242.78	--
MW-10	6/16/2011	256.56	15.41	NP	--	241.15	--
MW-10	9/22/2011	256.56	17.88	NP	--	238.68	--
MW-10	12/6/2011	256.56	17.11	NP	--	239.45	--
MW-10	3/8/2012	256.56	15.34	NP	--	241.22	--
MW-10	6/19/2012	256.56	15.63	NP	--	240.93	--
MW-10	9/21/2012	256.56	16.89	NP	--	239.67	--
MW-10	12/11/2012	256.56	13.59	NP	--	242.97	--
MW-10	6/26/2013	256.56	15.77	NP	--	240.79	--
MW-10	9/25/2013	256.56	16.42	NP	--	240.14	--
MW-10	11/14/2013	256.56	15.96	NP	--	240.60	--
MW-10	2/13/2014	256.56	15.24	NP	--	241.32	--
MW-10	4/2/2014	256.56	13.63	NP	--	242.93	--
MW-10	7/11/2014	256.56	16.15	NP	--	240.41	--
MW-10	10/21/2014	256.56	16.20	NP	--	240.36	--
MW-10	1/20/2015	256.56	14.33	NP	--	242.23	--
MW-10	3/11/2016	256.56	13.05	NP	--	243.51	--
MW-10	8/29/2016	256.56	16.92	NP	--	239.64	--
MW-10	11/21/2016	256.56	14.11	NP	--	242.45	--
MW-10	2/15/2017	256.56	12.77	NP	--	243.79	--
MW-10	5/26/2017	256.56	14.33	NP	--	242.23	--
MW-10	10/17/2017	256.56	16.68	NP	--	239.88	--
MW-10	2/8/2018	256.56	12.94	NP	--	243.62	--
MW-10	9/11/2018	256.56	16.81	NP	--	239.75	--
MW-10	11/15/2018	256.56	16.14	NP	--	240.42	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-11	4/10/1995	--	16.95	16.25	0.70	--	--
MW-11	7/20/1995	--	19.04	19.02	0.02	--	--
MW-11	10/25/1995	--	17.98	17.96	0.02	--	--
MW-11	1/23/1996	--	13.35	NP	--	--	--
MW-11	4/17/1996	--	20.50	NP	--	--	--
MW-11	7/8/1996	261.85	20.55	15.50	5.05	245.09	--
MW-11	10/10/1996	261.85	16.25	15.00	1.25	246.54	--
MW-11	3/11/1997	261.85	16.39	15.47	0.92	246.15	--
MW-11	5/29/1997	261.85	12.99	12.82	0.17	248.99	--
MW-11	8/5/1997	261.85	14.81	14.11	0.70	247.56	--
MW-11	10/23/1997	261.85	20.04	19.93	0.11	241.89	--
MW-11	3/11/1998	261.85	15.00	NP	--	246.85	--
MW-11	6/30/1998	261.85	13.26	NP	--	248.59	--
MW-11	9/25/1998	261.85	16.49	16.47	0.02	245.37	--
MW-11	12/29/1998	261.85	14.43	NP	--	247.42	--
MW-11	3/9/1999	261.85	10.35	NP	--	251.50	--
MW-11	6/2/1999	261.85	16.34	16.32	0.02	245.52	--
MW-11	9/27/1999	261.85	15.80	NP	--	246.05	--
MW-11	12/20/1999	261.85	15.21	NP	--	246.64	--
MW-11	3/16/2000	261.85	11.90	NP	--	249.95	--
MW-11	6/30/2000	261.85	17.35	NP	--	244.50	--
MW-11	9/27/2000	261.85	18.20	18.14	0.06	243.69	--
MW-11	11/10/2000	261.85	17.28	17.26	0.02	244.58	--
MW-11	3/19/2001	261.85	17.16	17.15	0.01	244.70	--
MW-11	6/27/2001	261.85	16.80	NP	--	245.05	--
MW-11	9/26/2001	261.85	15.30	NP	--	246.55	WI
MW-11	12/3/2001	261.85	15.90	NP	--	245.95	--
MW-11	6/6/2002	261.85	16.84	NP	--	245.01	WI
MW-11	6/26/2003	261.85	17.49	17.45	0.04	244.39	WI
MW-11	12/9/2003	261.85	16.19	NP	--	245.66	--
MW-11	4/7/2004	261.85	16.48	16.46	0.02	245.38	--
MW-11	11/16/2004	261.85	17.00	NP	--	244.85	--
MW-11	3/29/2005	261.85	16.15	NP	--	245.70	--
MW-11	6/22/2005	261.85	17.15	NP	--	244.70	--
MW-11	9/12/2005	261.85	17.99	NP	--	243.86	--
MW-11	12/6/2005	261.85	16.68	NP	--	245.17	--
MW-11	6/5/2006	261.85	16.55	NP	--	245.30	--
MW-11	9/29/2006	261.85	20.90	NP	--	240.95	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-11	12/19/2006	261.85	15.25	NP	--	246.60	--
MW-11	9/24/2007	261.85	14.42	NP	--	247.43	--
MW-11	12/31/2007	261.85	--	--	--	--	WI
MW-11	4/3/2008	261.85	--	--	--	--	WI
MW-11	7/1/2008	261.85	--	--	--	--	WI
MW-11	10/3/2008	261.85	21.82	NP	--	240.03	--
MW-11	1/6/2009	261.85	--	--	--	--	Dry
MW-11	4/8/2009	261.85	19.20	NP	--	242.65	--
MW-11	7/8/2009	261.85	18.09	NP	--	243.76	--
MW-11	10/6/2009	261.85	18.77	NP	--	243.08	--
MW-11	1/5/2010	261.85	16.14	NP	--	245.71	--
MW-11	5/25/2010	261.85	16.56	NP	--	245.29	--
MW-11	8/19/2010	261.85	17.84	NP	--	244.01	--
MW-11	12/7/2010	261.85	16.95	NP	--	244.90	--
MW-11	1/26/2011	261.85	14.91	NP	--	246.94	--
MW-11	6/16/2011	261.85	16.29	NP	--	245.56	--
MW-11	9/22/2011	261.85	20.40	NP	--	241.45	--
MW-11	12/6/2011	261.85	18.11	NP	--	243.74	--
MW-11	3/8/2012	261.85	17.40	NP	--	244.45	--
MW-11	6/19/2012	261.85	16.80	NP	--	245.05	--
MW-11	9/21/2012	261.85	18.15	NP	--	243.70	--
MW-11	12/11/2012	261.85	14.80	NP	--	247.05	--
MW-11	6/27/2013	261.85	16.88	NP	--	244.97	--
MW-11	9/26/2013	261.85	17.90	NP	--	243.95	--
MW-11	11/15/2013	261.85	17.07	NP	--	244.78	--
MW-11	2/13/2014	261.85	16.51	NP	--	245.34	--
MW-11	4/2/2014	261.85	14.52	NP	--	247.33	--
MW-11	7/11/2014	261.85	17.12	NP	--	244.73	--
MW-11	10/22/2014	261.85	17.54	NP	--	244.31	--
MW-11	1/21/2015	261.85	15.60	NP	--	246.25	--
MW-11	12/14/2015	261.85	14.20	NP	--	247.65	--
MW-11	3/10/2016	261.85	14.86	NP	--	246.99	--
MW-11	6/1/2016	261.85	16.95	NP	--	244.90	--
MW-11	8/29/2016	261.85	18.11	NP	--	243.74	--
MW-11	11/21/2016	261.85	15.50	NP	--	246.35	--
MW-11	2/15/2017	261.85	14.54	NP	--	247.31	--
MW-11	5/26/2017	261.85	15.66	NP	--	246.19	--
MW-11	10/17/2017	261.85	18.04	NP	--	243.81	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-11	2/8/2018	261.85	14.45	NP	--	247.40	--
MW-11	9/11/2018	261.85	17.96	NP	--	243.89	--
MW-11	11/15/2018	261.85	17.42	NP	--	244.43	--
MW-12	7/11/1996	257.84	11.69	NP	--	246.15	--
MW-12	10/10/1996	257.84	13.63	NP	--	244.21	--
MW-12	3/11/1997	257.84	8.65	NP	--	249.19	--
MW-12	5/29/1997	257.84	11.17	NP	--	246.67	--
MW-12	8/5/1997	257.84	11.68	NP	--	246.16	--
MW-12	10/23/1997	257.84	11.41	NP	--	246.43	--
MW-12	3/11/1998	257.84	10.50	NP	--	247.34	--
MW-12	6/30/1998	257.84	13.12	NP	--	244.72	--
MW-12	9/25/1998	257.84	13.57	13.51	0.06	244.32	--
MW-12	12/29/1998	257.84	11.37	NP	--	246.47	--
MW-12	3/9/1999	257.84	10.67	NP	--	247.17	--
MW-12	6/2/1999	257.84	12.48	NP	--	245.36	--
MW-12	9/27/1999	257.84	13.76	13.50	0.26	244.27	--
MW-12	12/20/1999	257.84	11.64	11.24	0.40	246.50	--
MW-12	3/16/2000	257.84	11.75	11.74	0.01	246.10	--
MW-12	6/30/2000	257.84	13.45	NP	--	244.39	--
MW-12	9/27/2000	257.84	14.00	13.84	0.16	243.96	--
MW-12	11/10/2000	257.84	13.28	13.03	0.25	244.75	--
MW-12	3/19/2001	257.84	13.20	13.00	0.20	244.79	--
MW-12	6/27/2001	257.84	13.95	13.92	0.03	243.91	--
MW-12	9/26/2001	257.84	14.10	14.08	0.02	243.75	--
MW-12	12/3/2001	257.84	12.16	12.13	0.03	245.70	--
MW-12	6/6/2002	257.84	13.30	13.25	0.05	244.58	--
MW-12	6/26/2003	257.84	13.52	13.25	0.27	244.52	--
MW-12	12/9/2003	257.84	12.18	12.16	0.02	245.68	--
MW-12	4/7/2004	257.84	12.71	NP	--	245.13	--
MW-12	11/16/2004	257.84	13.00	12.80	0.20	244.99	--
MW-12	3/29/2005	257.84	12.08	NP	--	245.76	--
MW-12	6/22/2005	257.84	13.04	NP	--	244.80	--
MW-12	9/12/2005	257.84	13.84	NP	--	244.00	--
MW-12	12/6/2005	257.84	12.26	NP	--	245.58	--
MW-12	6/5/2006	257.84	12.11	NP	--	245.73	--
MW-12	9/29/2006	257.84	17.50	NP	--	240.34	--
MW-12	12/19/2006	257.84	10.87	NP	--	246.97	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-12	9/24/2007	257.84	14.30	NP	--	243.54	--
MW-12	12/31/2007	257.84	12.12	NP	--	245.72	--
MW-12	1/29/2008	257.84	11.92	NP	--	245.92	--
MW-12	4/3/2008	257.84	19.67	NP	--	238.17	--
MW-12	7/1/2008	257.84	17.26	NP	--	240.58	--
MW-12	10/3/2008	257.84	19.78	NP	--	238.06	--
MW-12	1/6/2009	257.84	12.93	NP	--	244.91	--
MW-12	4/8/2009	257.84	17.04	NP	--	240.80	--
MW-12	7/8/2009	257.84	13.67	NP	--	244.17	--
MW-12	10/6/2009	257.84	14.25	NP	--	243.59	--
MW-12	1/6/2010	257.84	12.09	NP	--	245.75	--
MW-12	5/25/2010	257.84	12.37	NP	--	245.47	--
MW-12	8/19/2010	257.84	13.30	NP	--	244.54	--
MW-12	12/7/2010	257.84	12.28	NP	--	245.56	--
MW-12	1/26/2011	257.84	10.83	NP	--	247.01	--
MW-12	6/16/2011	257.84	12.20	NP	--	245.64	--
MW-12	9/22/2011	257.84	16.41	NP	--	241.43	--
MW-12	12/6/2011	257.84	17.17	NP	--	240.67	--
MW-12	3/8/2012	257.84	14.07	NP	--	243.77	--
MW-12	6/19/2012	257.84	12.23	NP	--	245.61	--
MW-12	9/21/2012	257.84	13.63	NP	--	244.21	--
MW-12	12/11/2012	257.84	10.10	NP	--	247.74	--
MW-12	6/27/2013	257.84	12.58	NP	--	245.26	--
MW-12	9/26/2013	257.84	13.45	NP	--	244.39	--
MW-12	11/15/2013	257.84	12.50	NP	--	245.34	--
MW-12	2/13/2014	257.84	12.19	NP	--	245.65	--
MW-12	4/2/2014	257.84	10.28	NP	--	247.56	--
MW-12	7/11/2014	257.84	12.69	NP	--	245.15	--
MW-12	10/22/2014	257.84	13.08	NP	--	244.76	--
MW-12	1/21/2015	257.84	11.59	NP	--	246.25	--
MW-12	12/16/2015	257.84	10.76	NP	--	247.08	--
MW-12	3/11/2016	257.84	10.08	NP	--	247.76	--
MW-12	6/1/2016	257.84	12.51	NP	--	245.33	--
MW-12	8/29/2016	257.84	13.71	NP	--	244.13	--
MW-12	11/21/2016	257.84	11.20	NP	--	246.64	--
MW-12	2/15/2017	257.84	9.90	NP	--	247.94	--
MW-12	4/7/2017	257.84	9.05	NP	--	248.79	--
MW-12	5/26/2017	257.84	11.05	NP	--	246.79	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-12	10/17/2017	257.84	13.60	NP	--	244.24	--
MW-12	2/8/2018	257.84	9.87	NP	--	247.97	--
MW-12	9/11/2018	257.84	13.57	NP	--	244.27	--
MW-12	11/15/2018	257.84	13.10	NP	--	244.74	--
VP-1	10/5/1994	--	15.20	NP	--	--	--
VP-1	2/15/1995	--	12.47	NP	--	--	--
VP-1	4/11/1995	--	13.44	NP	--	--	--
VP-1	7/20/1995	--	14.00	NP	--	--	--
VP-1	10/26/1995	--	14.08	NP	--	--	--
VP-1	1/23/1996	--	11.97	NP	--	--	--
VP-1	4/17/1996	--	12.80	NP	--	--	--
VP-1	7/8/1996	--	11.45	NP	--	--	--
VP-1	10/10/1996	--	14.17	NP	--	--	--
VP-1	3/11/1997	--	12.10	NP	--	--	--
VP-1	5/29/1997	--	11.11	NP	--	--	--
VP-1	8/5/1997	--	12.01	NP	--	--	--
VP-1	10/23/1997	--	14.11	NP	--	--	--
VP-1	3/11/1998	--	9.88	NP	--	--	--
VP-1	6/30/1998	--	14.14	NP	--	--	--
VP-1	9/25/1998	--	14.08	NP	--	--	--
VP-1	12/29/1998	--	11.50	NP	--	--	--
VP-1	3/9/1999	--	10.55	NP	--	--	--
VP-1	6/2/1999	--	12.35	NP	--	--	--
VP-1	9/27/1999	--	13.72	NP	--	--	--
VP-1	12/20/1999	--	11.40	NP	--	--	--
VP-1	3/16/2000	--	12.60	NP	--	--	--
VP-1	6/30/2000	--	13.54	NP	--	--	--
VP-1	9/27/2000	--	14.49	NP	--	--	--
VP-1	11/10/2000	--	13.91	NP	--	--	--
VP-1	3/19/2001	--	13.40	NP	--	--	--
VP-1	6/27/2001	--	13.75	NP	--	--	--
VP-1	9/26/2001	--	14.25	NP	--	--	WI
VP-1	12/3/2001	--	12.48	NP	--	--	--
VP-1	6/6/2002	--	13.30	NP	--	--	--
VP-1	6/26/2003	--	13.85	NP	--	--	--
VP-1	12/9/2003	--	12.70	NP	--	--	--
VP-1	4/7/2004	--	12.43	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
VP-1	11/16/2004	--	13.15	NP	--	--	--
VP-1	3/29/2005	--	12.40	NP	--	--	--
VP-1	6/22/2005	--	12.98	NP	--	--	--
VP-1	9/12/2005	--	14.05	NP	--	--	--
VP-1	12/6/2005	--	13.65	NP	--	--	--
VP-1	6/5/2006	--	11.81	NP	--	--	--
VP-1	9/29/2006	--	17.48	NP	--	--	--
VP-1	12/19/2006	--	11.17	NP	--	--	--
VP-1	9/24/2007	--	13.87	NP	--	--	--
VP-1	12/31/2007	--	--	--	--	--	WI
VP-1	1/30/2008	--	13.08	NP	--	--	--
VP-1	4/2/2008	--	15.55	NP	--	--	--
VP-1	7/1/2008	--	15.18	NP	--	--	--
VP-1	10/3/2008	--	17.58	NP	--	--	--
VP-1	1/6/2009	--	17.07	NP	--	--	--
VP-1	4/8/2009	--	16.64	NP	--	--	--
VP-1	7/8/2009	--	14.08	NP	--	--	--
VP-1	10/6/2009	--	14.85	NP	--	--	--
VP-1	1/6/2010	--	13.51	NP	--	--	--
VP-1	5/25/2010	--	13.03	NP	--	--	--
VP-1	8/19/2010	--	13.93	NP	--	--	--
VP-1	12/7/2010	--	13.07	NP	--	--	--
VP-1	1/26/2011	--	11.40	NP	--	--	--
VP-1	6/16/2011	--	13.09	NP	--	--	--
VP-1	9/22/2011	--	15.67	NP	--	--	--
VP-1	12/6/2011	--	16.10	NP	--	--	--
VP-1	3/8/2012	--	14.32	NP	--	--	--
VP-1	6/19/2012	--	13.25	NP	--	--	--
VP-1	9/21/2012	--	14.25	NP	--	--	--
VP-1	12/11/2012	--	13.43	NP	--	--	--
VP-1D	6/26/2013	--	13.42	NP	--	--	--
VP-1D	9/26/2013	--	14.11	NP	--	--	--
VP-1D	11/15/2013	--	13.16	NP	--	--	--
VP-1D	2/13/2014	--	13.25	NP	--	--	--
VP-1D	4/1/2014	--	11.98	NP	--	--	--
VP-1D	7/9/2014	--	13.70	NP	--	--	--
VP-1D	10/20/2014	--	13.81	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
VP-1D	1/19/2015	--	12.02	NP	--	--	--
VP-1D	12/14/2015	--	12.10	NP	--	--	--
VP-1D	3/10/2016	--	9.52	NP	--	--	--
VP-1S	6/26/2013	--	12.89	NP	--	--	--
VP-1S	9/26/2013	--	14.01	NP	--	--	--
VP-1S	11/15/2013	--	13.45	NP	--	--	--
VP-1S	2/12/2014	--	12.97	NP	--	--	--
VP-1S	4/1/2014	--	10.99	NP	--	--	--
VP-1S	7/9/2014	--	13.35	NP	--	--	--
VP-1S	10/20/2014	--	13.71	NP	--	--	--
VP-1S	1/19/2015	--	11.96	NP	--	--	--
VP-2	10/5/1994	--	14.64	NP	--	--	--
VP-2	2/15/1995	--	14.77	NP	--	--	--
VP-2	4/10/1995	--	13.24	NP	--	--	--
VP-2	7/20/1995	--	13.43	NP	--	--	--
VP-2	10/26/1995	--	13.67	NP	--	--	--
VP-2	1/23/1996	--	11.80	NP	--	--	--
VP-2	4/17/1996	--	14.95	NP	--	--	--
VP-2	7/8/1996	--	12.40	NP	--	--	--
VP-2	10/10/1996	--	16.96	NP	--	--	--
VP-2	3/11/1997	--	10.98	NP	--	--	--
VP-2	5/29/1997	--	10.03	NP	--	--	--
VP-2	8/5/1997	--	13.08	NP	--	--	--
VP-2	10/23/1997	--	14.21	NP	--	--	--
VP-2	3/11/1998	--	10.11	NP	--	--	--
VP-2	6/30/1998	--	13.74	NP	--	--	--
VP-2	9/25/1998	--	13.67	NP	--	--	--
VP-2	12/29/1998	--	11.00	NP	--	--	--
VP-2	3/9/1999	--	10.19	NP	--	--	--
VP-2	6/2/1999	--	11.99	NP	--	--	--
VP-2	9/27/1999	--	13.55	NP	--	--	--
VP-2	12/20/1999	--	10.97	NP	--	--	--
VP-2	3/16/2000	--	11.66	NP	--	--	--
VP-2	6/30/2000	--	12.76	NP	--	--	--
VP-2	9/27/2000	--	14.68	NP	--	--	--
VP-2	11/10/2000	--	13.79	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
VP-2	3/19/2001	--	13.70	NP	--	--	--
VP-2	6/27/2001	--	13.10	NP	--	--	--
VP-2	9/26/2001	--	13.86	NP	--	--	WI
VP-2	12/3/2001	--	13.05	NP	--	--	--
VP-2	6/6/2002	--	12.70	NP	--	--	--
VP-2	6/26/2003	--	15.34	NP	--	--	--
VP-2	12/9/2003	--	13.08	NP	--	--	--
VP-2	4/7/2004	--	12.35	NP	--	--	--
VP-2	11/16/2004	--	13.15	NP	--	--	--
VP-2	3/29/2005	--	12.40	NP	--	--	--
VP-2	6/22/2005	--	15.51	NP	--	--	--
VP-2	9/12/2005	--	16.72	NP	--	--	--
VP-2	12/6/2005	--	12.80	NP	--	--	--
VP-2	6/5/2006	--	11.94	NP	--	--	--
VP-2	9/24/2007	--	15.29	NP	--	--	--
VP-2	12/31/2007	--	--	--	--	--	WI
VP-2	1/30/2008	--	14.11	NP	--	--	--
VP-2	4/2/2008	--	16.37	NP	--	--	--
VP-2	7/1/2008	--	13.17	NP	--	--	--
VP-2	10/3/2008	--	14.10	NP	--	--	--
VP-2	1/6/2009	--	17.02	NP	--	--	--
VP-2	4/8/2009	--	13.72	NP	--	--	--
VP-2	9/22/2011	--	16.46	NP	--	--	--
VP-2D	6/26/2013	--	14.43	NP	--	--	--
VP-2D	9/25/2013	--	15.09	NP	--	--	--
VP-2D	11/15/2013	--	14.68	NP	--	--	--
VP-2D	2/13/2014	--	14.20	NP	--	--	--
VP-2D	4/1/2014	--	12.34	NP	--	--	--
VP-2D	7/9/2014	--	14.69	NP	--	--	--
VP-2D	10/20/2014	--	14.96	NP	--	--	--
VP-2D	1/19/2015	--	13.00	NP	--	--	--
VP-2D	12/14/2015	--	12.61	NP	--	--	--
VP-2D	3/10/2016	--	12.62	NP	--	--	--
VP-2S	6/26/2013	--	12.67	NP	--	--	--
VP-2S	9/25/2013	--	13.21	NP	--	--	--
VP-2S	11/15/2013	--	13.05	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
VP-2S	2/12/2014	--	12.63	NP	--	--	--
VP-2S	4/1/2014	--	11.31	NP	--	--	--
VP-2S	7/9/2014	--	12.07	NP	--	--	--
VP-2S	10/20/2014	--	12.89	NP	--	--	--
VP-2S	1/19/2015	--	11.70	NP	--	--	--
BV-1	4/11/1995	--	6.57	NP	--	--	--
BV-1	7/20/1995	--	7.38	NP	--	--	--
BV-1	10/26/1995	--	6.98	NP	--	--	--
BV-1	1/23/1996	--	5.49	NP	--	--	--
BV-1	4/17/1996	--	6.75	NP	--	--	--
BV-1	7/8/1996	--	7.00	NP	--	--	--
BV-1	10/10/1996	--	7.36	NP	--	--	--
BV-1	3/11/1997	--	5.12	NP	--	--	--
BV-1	5/29/1997	--	6.02	NP	--	--	--
BV-1	8/5/1997	--	6.92	NP	--	--	--
BV-1	10/23/1997	--	7.17	NP	--	--	--
BV-1	3/11/1998	--	5.65	NP	--	--	--
BV-1	6/30/1998	--	7.34	NP	--	--	--
BV-1	9/25/1998	--	8.01	NP	--	--	--
BV-1	12/29/1998	--	7.00	NP	--	--	--
BV-1	3/9/1999	--	6.51	NP	--	--	--
BV-1	6/2/1999	--	7.30	NP	--	--	--
BV-1	9/27/1999	--	7.62	NP	--	--	--
BV-1	12/20/1999	--	6.40	NP	--	--	--
BV-1	6/30/2000	--	7.38	NP	--	--	--
BV-1	9/27/2000	--	7.87	NP	--	--	--
BV-1	11/10/2000	--	6.75	NP	--	--	--
BV-1	3/19/2001	--	6.54	NP	--	--	--
BV-1	6/25/2013	--	7.04	NP	--	--	--
BV-1	9/25/2013	--	7.36	NP	--	--	--
BV-1	11/14/2013	--	7.05	NP	--	--	--
BV-1	2/13/2014	--	6.69	NP	--	--	--
BV-1	4/1/2014	--	5.89	NP	--	--	--
BV-1	7/9/2014	--	7.05	NP	--	--	--
BV-1	10/20/2014	--	7.20	NP	--	--	--
BV-1	1/19/2015	--	6.42	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-2	4/10/1995	--	8.83	NP	--	--	--
BV-2	10/26/1995	--	9.67	NP	--	--	--
BV-2	1/23/1996	--	7.76	NP	--	--	--
BV-2	4/17/1996	--	9.10	NP	--	--	--
BV-2	7/8/1996	--	9.25	NP	--	--	--
BV-2	10/10/1996	--	9.63	NP	--	--	--
BV-2	3/11/1997	--	7.31	NP	--	--	--
BV-2	5/29/1997	--	7.01	NP	--	--	--
BV-2	8/5/1997	--	8.06	NP	--	--	--
BV-2	10/23/1997	--	11.03	NP	--	--	--
BV-2	3/11/1998	--	7.76	NP	--	--	--
BV-2	6/30/1998	--	9.29	NP	--	--	--
BV-2	9/25/1998	--	10.16	NP	--	--	--
BV-2	12/29/1998	--	8.92	NP	--	--	--
BV-2	3/9/1999	--	8.33	NP	--	--	--
BV-2	6/2/1999	--	9.32	NP	--	--	--
BV-2	9/27/1999	--	9.37	NP	--	--	--
BV-2	12/20/1999	--	7.59	NP	--	--	--
BV-2	6/30/2000	--	9.40	NP	--	--	--
BV-2	9/27/2000	--	10.08	NP	--	--	--
BV-2	11/10/2000	--	8.86	NP	--	--	--
BV-2	3/19/2001	--	8.78	NP	--	--	--
BV-2	6/25/2013	--	9.66	NP	--	--	--
BV-2	9/25/2013	--	10.23	NP	--	--	--
BV-2	11/14/2013	--	8.78	NP	--	--	--
BV-2	2/13/2014	--	6.74	NP	--	--	--
BV-2	4/1/2014	--	5.75	NP	--	--	--
BV-2	7/9/2014	--	9.83	NP	--	--	--
BV-2	10/20/2014	--	10.10	NP	--	--	--
BV-2	1/19/2015	--	8.83	NP	--	--	--
BV-2	12/14/2015	--	7.57	NP	--	--	--
BV-2	3/10/2016	--	5.96	NP	--	--	--
BV-3	3/3/1995	--	11.40	NP	--	--	--
BV-3	4/10/1995	--	11.79	NP	--	--	--
BV-3	7/20/1995	--	11.15	NP	--	--	--
BV-3	10/26/1995	--	11.44	NP	--	--	--
BV-3	1/23/1996	--	10.65	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-3	4/17/1996	--	6.61	NP	--	--	--
BV-3	7/8/1996	--	10.72	NP	--	--	--
BV-3	10/10/1996	--	8.40	NP	--	--	--
BV-3	3/11/1997	--	12.07	NP	--	--	--
BV-3	5/29/1997	--	9.13	NP	--	--	--
BV-3	8/5/1997	--	9.53	NP	--	--	--
BV-3	10/23/1997	--	9.06	NP	--	--	--
BV-3	3/11/1998	--	7.00	NP	--	--	--
BV-3	6/30/1998	--	7.68	NP	--	--	--
BV-3	9/25/1998	--	8.00	NP	--	--	--
BV-3	12/29/1998	--	9.34	NP	--	--	--
BV-3	3/9/1999	--	5.39	NP	--	--	--
BV-3	6/2/1999	--	12.85	NP	--	--	--
BV-3	9/27/1999	--	9.55	NP	--	--	--
BV-3	12/20/1999	--	9.90	NP	--	--	--
BV-3	3/16/2000	--	8.15	NP	--	--	--
BV-3	6/30/2000	--	12.16	NP	--	--	--
BV-3	9/27/2000	--	14.52	NP	--	--	--
BV-3	11/10/2000	--	13.39	NP	--	--	--
BV-3	3/19/2001	--	13.30	NP	--	--	--
BV-3	6/25/2013	--	14.30	NP	--	--	--
BV-3	9/25/2013	--	15.15	NP	--	--	--
BV-3	11/14/2013	--	14.42	NP	--	--	--
BV-3	2/13/2014	--	13.75	NP	--	--	--
BV-3	4/1/2014	--	12.01	NP	--	--	--
BV-3	7/9/2014	--	14.65	NP	--	--	--
BV-3	10/20/2014	--	14.87	NP	--	--	--
BV-3	1/19/2015	--	13.41	NP	--	--	--
BV-4	4/10/1995	--	--	--	--	--	Dry
BV-4	7/20/1995	--	--	--	--	--	Dry
BV-4	10/26/1995	--	--	--	--	--	Dry
BV-4	1/23/1996	--	9.51	NP	--	--	--
BV-4	4/17/1996	--	--	--	--	--	Dry
BV-4	7/8/1996	--	--	--	--	--	Dry
BV-4	10/10/1996	--	8.35	NP	--	--	--
BV-4	3/11/1997	--	9.96	NP	--	--	--
BV-4	5/29/1997	--	8.40	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-4	8/5/1997	--	9.40	NP	--	--	--
BV-4	10/23/1997	--	12.16	NP	--	--	--
BV-4	3/11/1998	--	8.86	NP	--	--	--
BV-4	6/30/1998	--	6.54	NP	--	--	--
BV-4	12/29/1998	--	9.01	NP	--	--	--
BV-4	9/27/1999	--	9.58	NP	--	--	--
BV-4	12/20/1999	--	--	--	--	--	Dry
BV-4	3/16/2000	--	6.47	NP	--	--	--
BV-4	6/30/2000	--	--	--	--	--	Dry
BV-4	9/27/2000	--	--	--	--	--	Dry
BV-4	11/10/2000	--	--	--	--	--	Dry
BV-4	3/19/2001	--	--	--	--	--	Dry
BV-4	6/25/2013	--	--	--	--	--	Dry
BV-4	9/25/2013	--	--	--	--	--	Dry
BV-4	11/14/2013	--	--	--	--	--	Dry
BV-4	2/13/2014	--	10.02	NP	--	--	--
BV-4	4/1/2014	--	9.09	NP	--	--	--
BV-4	7/9/2014	--	--	--	--	--	Dry
BV-4	10/20/2014	--	--	--	--	--	Dry
BV-4	1/19/2015	--	--	--	--	--	WI
BV-5	3/3/1995	--	9.16	NP	--	--	--
BV-5	4/10/1995	--	9.21	NP	--	--	--
BV-5	7/20/1995	--	9.45	NP	--	--	--
BV-5	10/26/1995	--	9.76	NP	--	--	--
BV-5	1/23/1996	--	8.49	NP	--	--	--
BV-5	4/17/1996	--	9.32	NP	--	--	--
BV-5	7/8/1996	--	10.00	NP	--	--	--
BV-5	10/10/1996	--	10.25	NP	--	--	--
BV-5	3/11/1997	--	7.96	NP	--	--	--
BV-5	5/29/1997	--	6.91	NP	--	--	--
BV-5	8/5/1997	--	9.75	NP	--	--	--
BV-5	10/23/1997	--	9.63	NP	--	--	--
BV-5	3/11/1998	--	--	--	--	--	Dry
BV-5	6/30/1998	--	--	--	--	--	Dry
BV-5	9/25/1998	--	--	--	--	--	Dry
BV-5	12/29/1998	--	10.04	NP	--	--	--
BV-5	3/9/1999	--	--	--	--	--	Dry

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-5	6/2/1999	--	--	--	--	--	Dry
BV-5	9/27/1999	--	10.41	NP	--	--	--
BV-5	12/20/1999	--	9.30	NP	--	--	--
BV-5	3/16/2000	--	10.00	NP	--	--	--
BV-5	6/30/2000	--	--	--	--	--	Dry
BV-5	9/27/2000	--	--	--	--	--	Dry
BV-5	11/10/2000	--	9.55	NP	--	--	--
BV-5	3/19/2001	--	9.47	NP	--	--	--
BV-5	6/27/2001	--	10.30	NP	--	--	--
BV-5	9/26/2001	--	--	--	--	--	Dry
BV-5	6/25/2013	--	9.31	NP	--	--	--
BV-5	9/25/2013	--	9.60	NP	--	--	--
BV-5	11/14/2013	--	9.21	NP	--	--	--
BV-5	2/13/2014	--	8.91	NP	--	--	--
BV-5	4/1/2014	--	8.31	NP	--	--	--
BV-5	7/9/2014	--	9.39	NP	--	--	--
BV-5	10/20/2014	--	9.55	NP	--	--	--
BV-5	1/19/2015	--	8.76	NP	--	--	--
BV-6	4/10/1995	--	8.68	NP	--	--	--
BV-6	10/26/1995	--	9.13	NP	--	--	--
BV-6	1/23/1996	--	7.77	NP	--	--	--
BV-6	4/17/1996	--	8.88	NP	--	--	--
BV-6	7/8/1996	--	9.10	NP	--	--	--
BV-6	10/10/1996	--	9.30	NP	--	--	--
BV-6	3/11/1997	--	8.05	NP	--	--	--
BV-6	5/29/1997	--	7.90	NP	--	--	--
BV-6	8/5/1997	--	8.19	NP	--	--	--
BV-6	10/23/1997	--	11.27	NP	--	--	--
BV-6	3/11/1998	--	9.58	NP	--	--	--
BV-6	6/30/1998	--	10.32	NP	--	--	--
BV-6	9/25/1998	--	9.82	NP	--	--	--
BV-6	12/29/1998	--	8.94	NP	--	--	--
BV-6	3/9/1999	--	9.38	NP	--	--	--
BV-6	6/2/1999	--	9.25	NP	--	--	--
BV-6	12/20/1999	--	8.48	NP	--	--	--
BV-6	6/30/2000	--	9.38	NP	--	--	--
BV-6	9/27/2000	--	9.85	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-6	6/25/2013	--	9.19	NP	--	--	--
BV-6	9/25/2013	--	9.48	NP	--	--	--
BV-6	11/14/2013	--	8.99	NP	--	--	--
BV-6	2/13/2014	--	8.63	NP	--	--	--
BV-6	4/1/2014	--	7.72	NP	--	--	--
BV-6	7/9/2014	--	9.22	NP	--	--	--
BV-6	10/20/2014	--	9.34	NP	--	--	--
BV-6	1/19/2015	--	8.43	NP	--	--	--
BV-7	4/10/1995	--	17.11	15.50	1.61	--	--
BV-7	7/20/1995	--	17.97	16.34	1.63	--	--
BV-7	10/25/1995	--	16.45	16.44	0.01	--	--
BV-7	1/23/1996	--	14.79	NP	--	--	--
BV-7	4/17/1996	--	13.87	NP	--	--	--
BV-7	7/8/1996	--	12.00	NP	--	--	--
BV-7	10/10/1996	--	13.92	13.91	0.01	--	--
BV-7	3/11/1997	--	14.98	NP	--	--	--
BV-7	5/29/1997	--	12.06	NP	--	--	--
BV-7	8/5/1997	--	12.67	NP	--	--	--
BV-7	10/23/1997	--	12.54	NP	--	--	--
BV-7	3/11/1998	--	11.60	NP	--	--	--
BV-7	6/30/1998	--	12.74	NP	--	--	--
BV-7	9/25/1998	--	16.02	NP	--	--	--
BV-7	12/29/1998	--	13.03	NP	--	--	--
BV-7	3/9/1999	--	10.05	NP	--	--	--
BV-7	6/2/1999	--	15.26	NP	--	--	--
BV-7	12/20/1999	--	11.88	NP	--	--	--
BV-7	3/16/2000	--	11.65	NP	--	--	--
BV-7	6/30/2000	--	16.58	NP	--	--	--
BV-7	9/27/2000	--	--	--	--	--	Dry
BV-7	11/10/2000	--	16.81	NP	--	--	--
BV-7	3/19/2001	--	16.85	NP	--	--	--
BV-7	6/27/2001	--	16.50	NP	--	--	--
BV-7	9/26/2001	--	14.50	NP	--	--	--
BV-7	6/25/2013	--	14.41	NP	--	--	--
BV-7	9/25/2013	--	15.47	NP	--	--	--
BV-7	11/14/2013	--	14.86	NP	--	--	--
BV-7	2/13/2014	--	14.27	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-7	4/1/2014	--	11.97	NP	--	--	--
BV-7	7/9/2014	--	14.84	NP	--	--	--
BV-7	10/20/2014	--	15.17	NP	--	--	--
BV-7	1/19/2015	--	13.14	NP	--	--	--
SVE-1	10/5/1994	--	15.37	NP	--	--	--
SVE-1	2/15/1995	--	12.18	NP	--	--	--
SVE-1	4/10/1995	--	12.05	NP	--	--	--
SVE-1	7/20/1995	--	13.95	NP	--	--	--
SVE-1	10/25/1995	--	14.23	NP	--	--	--
SVE-1	1/23/1996	--	11.45	NP	--	--	--
SVE-1	4/17/1996	--	12.38	NP	--	--	--
SVE-1	10/10/1996	--	13.97	NP	--	--	--
SVE-1	3/11/1997	--	12.32	NP	--	--	--
SVE-1	5/29/1997	--	10.19	NP	--	--	--
SVE-1	8/5/1997	--	15.82	NP	--	--	--
SVE-1	10/23/1997	--	11.26	NP	--	--	--
SVE-1	3/11/1998	--	10.27	NP	--	--	--
SVE-1	6/30/1998	--	14.04	NP	--	--	--
SVE-1	9/25/1998	--	14.12	NP	--	--	--
SVE-1	12/29/1998	--	11.99	NP	--	--	--
SVE-1	3/9/1999	--	10.15	NP	--	--	--
SVE-1	6/2/1999	--	12.19	NP	--	--	--
SVE-1	12/20/1999	--	11.65	NP	--	--	--
SVE-1	3/16/2000	--	12.85	NP	--	--	--
SVE-1	6/30/2000	--	13.38	NP	--	--	--
SVE-1	9/27/2000	--	14.62	NP	--	--	--
SVE-1	11/10/2000	--	14.30	NP	--	--	--
SVE-1	3/19/2001	--	13.20	NP	--	--	--
SVE-1	6/27/2001	--	13.70	NP	--	--	--
SVE-1	9/26/2001	--	14.55	NP	--	--	--
SVE-1	12/3/2001	--	12.90	NP	--	--	--
SVE-1	6/6/2002	--	12.85	NP	--	--	--
SVE-1	6/26/2003	--	13.45	NP	--	--	--
SVE-1	12/9/2003	--	13.00	NP	--	--	--
SVE-1	4/7/2004	--	12.33	NP	--	--	--
SVE-1	11/16/2004	--	13.80	NP	--	--	--
SVE-1	12/6/2005	--	13.20	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
SVE-1	6/5/2006	--	12.23	NP	--	--	--
SVE-1	12/19/2006	--	10.79	NP	--	--	--
SVE-1	9/24/2007	--	14.04	NP	--	--	--
SVE-1	12/31/2007	--	11.60	NP	--	--	--
SVE-1	1/30/2008	--	11.44	NP	--	--	--
SVE-1	4/2/2008	--	14.74	NP	--	--	--
SVE-1	7/1/2008	--	14.52	NP	--	--	--
SVE-1	10/3/2008	--	16.18	NP	--	--	--
SVE-1	1/6/2009	--	15.08	NP	--	--	--
SVE-1	4/8/2009	--	14.42	NP	--	--	--
SVE-1	6/26/2013	--	12.44	NP	--	--	--
SVE-1	9/26/2013	--	14.03	NP	--	--	--
SVE-1	11/15/2013	--	13.48	NP	--	--	--
SVE-1	2/13/2014	--	12.82	NP	--	--	--
SVE-1	4/1/2014	--	9.92	NP	--	--	--
SVE-1	7/9/2014	--	12.69	NP	--	--	--
SVE-1	10/20/2014	--	13.87	NP	--	--	--
SVE-1	1/19/2015	--	11.14	NP	--	--	--
SVE-2	10/5/1994	--	16.85	NP	--	--	--
SVE-2	2/15/1995	--	13.59	NP	--	--	--
SVE-2	4/11/1995	--	13.38	NP	--	--	--
SVE-2	7/20/1995	--	15.40	NP	--	--	--
SVE-2	10/25/1995	--	15.70	NP	--	--	--
SVE-2	1/23/1996	--	12.70	NP	--	--	--
SVE-2	4/17/1996	--	13.77	NP	--	--	--
SVE-2	7/8/1996	--	14.00	NP	--	--	--
SVE-2	10/10/1996	--	15.38	NP	--	--	--
SVE-2	3/11/1997	--	12.52	NP	--	--	--
SVE-2	5/29/1997	--	10.71	NP	--	--	--
SVE-2	8/5/1997	--	16.11	NP	--	--	--
SVE-2	10/23/1997	--	12.62	NP	--	--	--
SVE-2	3/11/1998	--	11.81	NP	--	--	--
SVE-2	6/30/1998	--	15.94	NP	--	--	--
SVE-2	9/25/1998	--	15.57	NP	--	--	--
SVE-2	12/29/1998	--	13.57	NP	--	--	--
SVE-2	3/9/1999	--	11.09	NP	--	--	--
SVE-2	6/2/1999	--	13.56	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
SVE-2	12/20/1999	--	13.45	NP	--	--	--
SVE-2	3/16/2000	--	13.15	NP	--	--	--
SVE-2	6/30/2000	--	14.75	NP	--	--	--
SVE-2	9/27/2000	--	16.01	NP	--	--	--
SVE-2	11/10/2000	--	15.75	NP	--	--	--
SVE-2	3/19/2001	--	14.40	NP	--	--	--
SVE-2	12/19/2006	--	11.84	NP	--	--	--
SVE-2	6/26/2013	--	13.95	NP	--	--	--
SVE-2	9/25/2013	--	15.59	NP	--	--	--
SVE-2	11/15/2013	--	15.09	NP	--	--	--
SVE-2	2/13/2014	--	14.44	NP	--	--	--
SVE-2	4/1/2014	--	11.15	NP	--	--	--
SVE-2	7/9/2014	--	14.17	NP	--	--	--
SVE-2	10/20/2014	--	15.43	NP	--	--	--
SVE-2	1/19/2015	--	12.50	NP	--	--	--
SVE-2	12/14/2015	--	12.38	NP	--	--	--
SVE-2	3/10/2016	--	10.43	NP	--	--	--
SVE-3	5/29/1997	--	5.31	NP	--	--	--
SVE-3	8/5/1997	--	6.48	NP	--	--	--
SVE-3	10/23/1997	--	4.67	NP	--	--	--
SVE-3	3/11/1998	--	8.24	NP	--	--	--
SVE-3	6/30/1998	--	5.52	NP	--	--	--
SVE-3	9/25/1998	--	9.02	NP	--	--	--
SVE-3	12/29/1998	--	6.64	NP	--	--	--
SVE-3	6/2/1999	--	9.04	NP	--	--	--
SVE-3	12/20/1999	--	8.15	NP	--	--	--
SVE-3	6/30/2000	--	--	--	--	--	Dry
SVE-3	9/27/2000	--	--	--	--	--	Dry
SVE-3	11/10/2000	--	8.02	NP	--	--	--
SVE-3	3/19/2001	--	7.95	7.94	0.01	--	--
SVE-3	6/27/2001	--	8.50	NP	--	--	--
SVE-3	9/26/2001	--	6.75	NP	--	--	WI
SVE-3	12/3/2001	--	7.86	NP	--	--	--
SVE-3	6/6/2002	--	8.60	NP	--	--	--
SVE-3	6/26/2003	--	10.27	NP	--	--	--
SVE-3	12/9/2003	--	7.71	NP	--	--	--
SVE-3	4/7/2004	--	7.41	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
SVE-3	11/16/2004	--	7.60	NP	--	--	--
SVE-3	3/29/2005	--	6.31	NP	--	--	--
SVE-3	6/22/2005	--	7.47	NP	--	--	--
SVE-3	9/12/2005	--	8.46	NP	--	--	IW
SVE-3	12/6/2005	--	6.04	NP	--	--	--
SVE-3	6/5/2006	--	6.00	NP	--	--	--
SVE-3	12/19/2006	--	6.20	NP	--	--	--
SVE-3	9/24/2007	--	8.49	NP	--	--	--
SVE-3	12/31/2007	--	--	--	--	--	WI
SVE-3	1/30/2008	--	8.52	NP	--	--	--
SVE-3	4/2/2008	--	--	--	--	--	Dry
SVE-3	7/1/2008	--	--	--	--	--	Dry
SVE-3	10/3/2008	--	--	--	--	--	Dry
SVE-3	1/6/2009	--	--	--	--	--	Dry
SVE-3	4/7/2009	--	--	--	--	--	Dry
SVE-3	7/8/2009	--	9.21	NP	--	--	--
SVE-3	10/6/2009	--	--	--	--	--	Dry
SVE-3	1/5/2010	--	8.36	NP	--	--	IW
SVE-3	5/25/2010	--	8.51	NP	--	--	--
SVE-3	8/19/2010	--	--	--	--	--	Dry
SVE-3	12/7/2010	--	8.30	NP	--	--	--
SVE-3	1/26/2011	--	7.82	NP	--	--	--
SVE-3	6/16/2011	--	8.22	NP	--	--	--
SVE-3	9/22/2011	--	--	--	--	--	Dry
SVE-3	12/6/2011	--	--	--	--	--	Dry
SVE-3	3/8/2012	--	--	--	--	--	Dry
SVE-3	6/19/2012	--	8.30	NP	--	--	--
SVE-3	9/21/2012	--	--	--	--	--	Dry
SVE-3	12/11/2012	--	--	--	--	--	Dry
SVE-3	6/25/2013	--	8.22	NP	--	--	--
SVE-3	9/25/2013	--	8.50	NP	--	--	--
SVE-3	11/14/2013	--	8.10	NP	--	--	--
SVE-3	2/13/2014	--	7.78	NP	--	--	--
SVE-3	4/1/2014	--	7.09	NP	--	--	--
SVE-3	7/9/2014	--	8.15	NP	--	--	--
SVE-3	1/19/2015	--	7.20	NP	--	--	--
AS-1	7/20/1995	--	14.43	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
AS-2	2/15/1995	--	14.33	NP	--	--	--
AS-2	7/20/1995	--	16.23	NP	--	--	--
AS-3	10/5/1994	--	17.10	NP	--	--	--
AS-3	2/15/1995	--	14.81	NP	--	--	--
AS-3	4/10/1995	--	14.64	NP	--	--	--
AS-3	7/20/1995	--	15.80	NP	--	--	--
B1 (JPHC)	2/15/1995	--	14.72	11.45	3.27	--	--
B1 (JPHC)	7/20/1995	--	14.63	14.37	0.26	--	--
B1 (JPHC)	10/25/1995	--	14.20	NP	--	--	--
B1 (JPHC)	1/23/1996	--	12.20	NP	--	--	--
B1 (JPHC)	4/17/1996	--	14.13	13.43	0.70	--	--
B1 (JPHC)	7/8/1996	257.71	13.10	NP	--	244.61	--
B1 (JPHC)	10/10/1996	257.71	14.40	NP	--	243.31	--
B1 (JPHC)	3/11/1997	257.71	8.67	NP	--	249.04	--
B1 (JPHC)	5/29/1997	257.71	9.06	NP	--	248.65	--
B1 (JPHC)	8/5/1997	257.71	9.28	NP	--	248.43	--
B1 (JPHC)	10/23/1997	257.71	9.40	NP	--	248.31	--
B1 (JPHC)	3/11/1998	257.71	15.02	NP	--	242.69	--
B1 (JPHC)	6/30/1998	257.71	13.41	NP	--	244.30	--
B1 (JPHC)	9/25/1998	257.71	13.67	13.59	0.08	244.10	--
B1 (JPHC)	12/29/1998	257.71	12.24	NP	--	245.47	--
B1 (JPHC)	3/9/1999	257.71	11.50	NP	--	246.21	--
B1 (JPHC)	6/2/1999	257.71	12.57	NP	--	245.14	--
B1 (JPHC)	12/20/1999	257.71	--	--	--	--	Dry
B1 (JPHC)	3/16/2000	257.71	12.00	NP	--	245.71	--
B1 (JPHC)	6/30/2000	257.71	13.56	NP	--	244.15	--
B1 (JPHC)	9/27/2000	257.71	14.02	NP	--	243.69	--
B1 (JPHC)	11/10/2000	257.71	13.59	NP	--	244.12	--
B1 (JPHC)	3/19/2001	257.71	13.47	NP	--	244.24	--
B1 (JPHC)	6/27/2001	257.71	14.90	14.89	0.01	242.82	WI
B1 (JPHC)	9/26/2001	257.71	14.25	14.24	0.01	243.47	--
B1 (JPHC)	12/3/2001	257.71	12.00	NP	--	245.71	IW
B1 (JPHC)	6/26/2003	257.71	13.91	13.61	0.30	244.03	--
B1 (JPHC)	12/9/2003	257.71	12.20	NP	--	245.51	--
B1 (JPHC)	4/7/2004	257.71	12.71	NP	--	245.00	--
B1 (JPHC)	11/16/2004	257.71	13.58	NP	--	244.13	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B1 (JPHC)	3/29/2005	257.71	12.30	NP	--	245.41	--
B1 (JPHC)	6/22/2005	257.71	15.50	NP	--	242.21	--
B1 (JPHC)	9/12/2005	257.71	14.04	NP	--	243.67	--
B1 (JPHC)	12/6/2005	257.71	13.27	NP	--	244.44	--
B1 (JPHC)	6/5/2006	257.71	12.79	NP	--	244.92	--
B1 (JPHC)	12/19/2006	257.71	11.40	NP	--	246.31	--
B1 (JPHC)	9/24/2007	257.71	14.95	NP	--	242.76	--
B1 (JPHC)	12/31/2007	257.71	--	--	--	--	WI
B1 (JPHC)	1/30/2008	257.71	12.76	NP	--	244.95	--
B1 (JPHC)	4/3/2008	257.71	21.44	NP	--	236.27	IW
B1 (JPHC)	7/1/2008	257.71	17.62	NP	--	240.09	--
B1 (JPHC)	10/3/2008	257.71	19.15	NP	--	238.56	--
B1 (JPHC)	1/6/2009	257.71	18.50	NP	--	239.21	--
B1 (JPHC)	4/8/2009	257.71	19.79	NP	--	237.92	--
B1 (JPHC)	7/8/2009	257.71	14.12	NP	--	243.59	--
B1 (JPHC)	10/6/2009	257.71	15.70	NP	--	242.01	--
B1 (JPHC)	1/6/2010	257.71	12.68	NP	--	245.03	--
B1 (JPHC)	5/25/2010	257.71	13.12	NP	--	244.59	--
B1 (JPHC)	8/19/2010	257.71	14.04	NP	--	243.67	--
B1 (JPHC)	12/7/2010	257.71	12.87	NP	--	244.84	--
B1 (JPHC)	1/26/2011	257.71	11.58	NP	--	246.13	--
B1 (JPHC)	6/16/2011	257.71	12.84	NP	--	244.87	--
B1 (JPHC)	9/22/2011	257.71	16.09	NP	--	241.62	--
B1 (JPHC)	12/6/2011	257.71	18.31	NP	--	239.40	--
B1 (JPHC)	3/8/2012	257.71	13.30	NP	--	244.41	--
B1 (JPHC)	6/19/2012	257.71	12.98	NP	--	244.73	--
B1 (JPHC)	9/21/2012	257.71	14.19	NP	--	243.52	--
B1 (JPHC)	12/11/2012	257.71	11.16	NP	--	246.55	--
B1 (JPHC)	6/26/2013	257.71	13.20	NP	--	244.51	--
B1 (JPHC)	9/26/2013	257.71	13.90	NP	--	243.81	--
B1 (JPHC)	11/15/2013	257.71	13.20	NP	--	244.51	--
B1 (JPHC)	2/13/2014	257.71	12.72	NP	--	244.99	--
B1 (JPHC)	4/2/2014	257.71	11.21	NP	--	246.50	--
B1 (JPHC)	7/11/2014	257.71	13.37	NP	--	244.34	--
B1 (JPHC)	10/22/2014	257.71	13.73	NP	--	243.98	--
B1 (JPHC)	1/21/2015	257.71	12.10	NP	--	245.61	--
B1 (JPHC)	12/16/2015	257.71	11.42	NP	--	246.29	--
B1 (JPHC)	3/11/2016	257.71	10.85	NP	--	246.86	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B1 (JPHC)	6/1/2016	257.71	13.11	NP	--	244.60	--
B1 (JPHC)	8/29/2016	257.71	14.18	NP	--	243.53	--
B1 (JPHC)	11/21/2016	257.71	11.70	NP	--	246.01	--
B1 (JPHC)	2/15/2017	257.71	10.75	NP	--	246.96	--
B1 (JPHC)	4/7/2017	257.71	10.85	NP	--	246.86	--
B1 (JPHC)	5/26/2017	257.71	11.87	NP	--	245.84	--
B1 (JPHC)	9/28/2017	257.71	14.05	NP	--	243.66	--
B1 (JPHC)	10/17/2017	257.71	14.04	NP	--	243.67	--
B1 (JPHC)	2/8/2018	257.71	10.66	NP	--	247.05	--
B1 (JPHC)	9/11/2018	257.71	14.02	NP	--	243.69	--
B1 (JPHC)	11/15/2018	257.71	13.50	NP	--	244.21	--
B3 (JPHC)	2/15/1995	--	13.37	NP	--	--	--
B3 (JPHC)	4/11/1995	--	13.52	NP	--	--	--
B3 (JPHC)	7/20/1995	--	15.15	NP	--	--	--
B3 (JPHC)	10/25/1995	--	14.93	NP	--	--	--
B3 (JPHC)	1/23/1996	--	12.58	NP	--	--	--
B3 (JPHC)	4/17/1996	--	13.68	NP	--	--	--
B3 (JPHC)	7/8/1996	258.41	9.21	NP	--	249.20	--
B3 (JPHC)	10/10/1996	258.41	15.50	NP	--	242.91	--
B3 (JPHC)	3/11/1997	258.41	9.41	NP	--	249.00	--
B3 (JPHC)	5/29/1997	258.41	9.22	NP	--	249.19	--
B3 (JPHC)	8/5/1997	258.41	19.57	NP	--	238.84	--
B3 (JPHC)	10/23/1997	258.41	--	--	--	--	Dry
B3 (JPHC)	3/11/1998	258.41	14.75	NP	--	243.66	--
B3 (JPHC)	6/30/1998	258.41	15.08	NP	--	243.33	--
B3 (JPHC)	9/25/1998	258.41	14.95	NP	--	243.46	--
B3 (JPHC)	12/29/1998	258.41	14.21	NP	--	244.20	--
B3 (JPHC)	3/9/1999	258.41	14.41	NP	--	244.00	--
B3 (JPHC)	6/2/1999	258.41	13.68	NP	--	244.73	--
B3 (JPHC)	12/20/1999	258.41	12.50	NP	--	245.91	--
B3 (JPHC)	3/16/2000	258.41	13.55	NP	--	244.86	--
B3 (JPHC)	6/30/2000	258.41	14.52	NP	--	243.89	--
B3 (JPHC)	9/27/2000	258.41	15.35	NP	--	243.06	--
B3 (JPHC)	11/10/2000	258.41	14.61	NP	--	243.80	--
B3 (JPHC)	3/19/2001	258.41	14.17	NP	--	244.24	--
B3 (JPHC)	6/27/2001	258.41	15.72	NP	--	242.69	--
B3 (JPHC)	9/26/2001	258.41	15.23	NP	--	243.18	WI

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B3 (JPHC)	12/3/2001	258.41	13.15	NP	--	245.26	--
B3 (JPHC)	6/6/2002	258.41	14.33	NP	--	244.08	IW
B3 (JPHC)	6/26/2003	258.41	14.63	NP	--	243.78	--
B3 (JPHC)	12/9/2003	258.41	13.25	NP	--	245.16	--
B3 (JPHC)	4/7/2004	258.41	14.00	NP	--	244.41	--
B3 (JPHC)	11/16/2004	258.41	14.63	NP	--	243.78	--
B3 (JPHC)	3/29/2005	258.41	13.81	NP	--	244.60	--
B3 (JPHC)	6/22/2005	258.41	14.31	NP	--	244.10	--
B3 (JPHC)	9/12/2005	258.41	15.05	NP	--	243.36	--
B3 (JPHC)	12/6/2005	258.41	13.90	NP	--	244.51	--
B3 (JPHC)	6/5/2006	258.41	13.51	NP	--	244.90	--
B3 (JPHC)	12/19/2006	258.41	12.36	NP	--	246.05	--
B3 (JPHC)	9/24/2007	258.41	15.36	NP	--	243.05	--
B3 (JPHC)	12/31/2007	258.41	--	--	--	--	WI
B3 (JPHC)	1/29/2008	258.41	13.53	NP	--	244.88	--
B3 (JPHC)	4/3/2008	258.41	20.10	NP	--	238.31	IW
B3 (JPHC)	7/1/2008	258.41	17.84	NP	--	240.57	--
B3 (JPHC)	10/3/2008	258.41	18.76	NP	--	239.65	--
B3 (JPHC)	1/6/2009	258.41	18.92	NP	--	239.49	--
B3 (JPHC)	4/8/2009	258.41	19.00	NP	--	239.41	--
B3 (JPHC)	7/8/2009	258.41	15.25	NP	--	243.16	--
B3 (JPHC)	10/6/2009	258.41	15.81	NP	--	242.60	--
B3 (JPHC)	1/6/2010	258.41	13.43	NP	--	244.98	--
B3 (JPHC)	5/25/2010	258.41	14.12	NP	--	244.29	--
B3 (JPHC)	8/19/2010	258.41	15.12	NP	--	243.29	--
B3 (JPHC)	12/7/2010	258.41	13.95	NP	--	244.46	--
B3 (JPHC)	1/26/2011	258.41	12.64	NP	--	245.77	--
B3 (JPHC)	6/16/2011	258.41	13.84	NP	--	244.57	--
B3 (JPHC)	9/22/2011	258.41	16.75	NP	--	241.66	--
B3 (JPHC)	12/6/2011	258.41	18.04	NP	--	240.37	--
B3 (JPHC)	3/8/2012	258.41	14.34	NP	--	244.07	--
B3 (JPHC)	6/19/2012	258.41	12.14	NP	--	246.27	--
B3 (JPHC)	9/21/2012	258.41	15.33	NP	--	243.08	--
B3 (JPHC)	12/11/2012	258.41	12.70	NP	--	245.71	--
B3 (JPHC)	6/26/2013	258.41	14.32	NP	--	244.09	--
B3 (JPHC)	9/26/2013	258.41	15.06	NP	--	243.35	--
B3 (JPHC)	11/15/2013	258.41	14.39	NP	--	244.02	--
B3 (JPHC)	2/13/2014	258.41	14.00	NP	--	244.41	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B3 (JPHC)	4/2/2014	258.41	12.31	NP	--	246.10	--
B3 (JPHC)	7/11/2014	258.41	14.54	NP	--	243.87	--
B3 (JPHC)	10/22/2014	258.41	14.77	NP	--	243.64	--
B3 (JPHC)	1/20/2015	258.41	13.25	NP	--	245.16	--
B3 (JPHC)	12/14/2015	258.41	12.68	NP	--	245.73	--
B3 (JPHC)	3/11/2016	258.41	11.97	NP	--	246.44	--
B3 (JPHC)	8/29/2016	258.41	15.33	NP	--	243.08	--
B3 (JPHC)	11/21/2016	258.41	12.23	NP	--	246.18	--
B3 (JPHC)	2/15/2017	258.41	11.77	NP	--	246.64	--
B3 (JPHC)	5/26/2017	258.41	12.67	NP	--	245.74	--
B3 (JPHC)	10/17/2017	258.41	15.19	NP	--	243.22	--
B3 (JPHC)	2/8/2018	258.41	11.88	NP	--	246.53	--
B3 (JPHC)	9/11/2018	258.41	15.18	NP	--	243.23	--
B3 (JPHC)	11/15/2018	258.41	--	--	--	--	WI
IW-1	3/10/2017	--	11.45	10.61	0.84	--	--
IW-1	3/17/2017	--	9.90	9.88	0.02	--	--
IW-1	3/24/2017	--	10.06	NP	--	--	--
IW-1	3/30/2017	--	10.71	NP	--	--	--
IW-1	4/7/2017	--	10.21	NP	--	--	--
IW-1	4/14/2017	--	10.51	NP	--	--	--
IW-1	4/28/2017	--	11.15	NP	--	--	--
IW-1	5/26/2017	--	11.38	11.37	0.01	--	--
IW-1	9/28/2017	--	13.63	NP	--	--	--
IW-1	10/5/2017	--	13.71	NP	--	--	--
IW-1	10/17/2017	--	13.68	NP	--	--	--
IW-1	11/6/2017	--	13.11	NP	--	--	--
IW-1	11/17/2017	--	12.58	NP	--	--	--
IW-1	12/7/2017	--	11.28	NP	--	--	--
IW-1	1/18/2018	--	10.58	10.57	0.01	--	--
IW-1	2/8/2018	--	--	--	--	--	WI
IW-1	9/11/2018	--	--	--	--	--	WI
IW-1	11/15/2018	--	13.06	NP	--	--	--
IW-2	3/10/2017	--	11.30	NP	--	--	--
IW-2	3/17/2017	--	10.46	NP	--	--	--
IW-2	3/24/2017	--	10.69	NP	--	--	--
IW-2	3/30/2017	--	10.80	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
IW-2	4/7/2017	--	10.79	NP	--	--	--
IW-2	4/14/2017	--	10.80	NP	--	--	--
IW-2	4/28/2017	--	11.32	NP	--	--	--
IW-2	5/26/2017	--	11.64	NP	--	--	--
IW-2	10/17/2017	--	14.05	NP	--	--	--
IW-2	2/8/2018	--	10.59	NP	--	--	--
IW-2	9/11/2018	--	--	--	--	--	WI
IW-2	11/15/2018	--	--	--	--	--	WI
IW-3	3/10/2017	--	10.55	NP	--	--	--
IW-3	3/17/2017	--	9.80	NP	--	--	--
IW-3	3/24/2017	--	9.92	NP	--	--	--
IW-3	3/30/2017	--	10.28	NP	--	--	--
IW-3	4/7/2017	--	10.07	NP	--	--	--
IW-3	4/14/2017	--	10.24	NP	--	--	--
IW-3	4/28/2017	--	10.75	NP	--	--	--
IW-3	5/26/2017	--	11.21	NP	--	--	--
IW-3	10/17/2017	--	13.52	NP	--	--	--
IW-3	2/8/2018	--	9.95	NP	--	--	--
IW-3	9/11/2018	--	13.45	NP	--	--	--
IW-3	11/15/2018	--	13.15	NP	--	--	--
IW-4	3/10/2017	--	10.63	NP	--	--	--
IW-4	3/17/2017	--	9.68	NP	--	--	--
IW-4	3/24/2017	--	9.78	NP	--	--	--
IW-4	3/30/2017	--	10.14	NP	--	--	--
IW-4	4/7/2017	--	9.88	NP	--	--	--
IW-4	4/14/2017	--	10.05	NP	--	--	--
IW-4	4/28/2017	--	10.68	NP	--	--	--
IW-4	5/26/2017	--	11.24	NP	--	--	--
IW-4	10/17/2017	--	13.42	NP	--	--	--
IW-4	2/8/2018	--	9.80	NP	--	--	--
IW-4	9/11/2018	--	13.39	NP	--	--	--
IW-4	11/15/2018	--	12.90	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers

Notes:
TOC - Top of Casing
ft - feet
NP - No Product
LNAPL - Light Non-Aqueous Phase Liquid
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
-- No Information Available
WI = Well Inaccessible
IW = Insufficient Water

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
Well ID	Date												
MW-1	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	< 2.0	--
MW-1	2/15/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	< 2.0	--
MW-1	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
MW-1	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 750	--	--
MW-1	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	**10100**	**29100**	--	--
MW-1	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	--	--
MW-1	6/6/2002	< 0.500	0.602	< 0.500	< 1.00	< 2.00	< 0.01	< 1.00	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-1	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-1	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-1	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	2.49	< 1.00
MW-1	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 255	< 510	1.26	< 1.00
MW-1	6/5/2006	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 253	< 505	1.76	< 1.00
MW-1	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-1	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-1	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	--	--	--	--
MW-1	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-1	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-1	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-1	4/7/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-1	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 182	< 182	< 3.0	< 3.0
MW-2	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	59	--	--	< 2.0	--
MW-2	2/15/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	< 2.0	--
MW-2	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-2	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-2	10/25/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-2	1/23/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-2	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-2	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-2	10/23/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	54.7	< 250	< 750	--	--
MW-2	3/11/1998	0.834	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
MW-2	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-2	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
MW-2	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-2	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-2	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	--	--
MW-2	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	< 2.00	< 0.01	< 1.00	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-2	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-2	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-2	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-2	6/22/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-2	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 281	< 562	< 1.00	< 1.00
MW-2	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-2	6/5/2006	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-2	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-2	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-2	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-2	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	--	--	--	--
MW-2	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 240	< 481	--	--
MW-2	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-2	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-2	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-2	6/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 250	< 500	< 10	< 10
MW-2	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-2	11/14/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-2	2/12/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50	48 JB	61 JB	< 2.0 JB	< 2.0 JB
MW-2	4/2/2014	< 1.1 JB	< 0.89 JB	< 0.89 JB	< 0.82 JB	< 0.74 JB	--	--	< 10 JB	< 19 JB	48 JB	< 0.17 JB	< 0.17 JB
MW-2	7/10/2014	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	< 0.17 JB	--	--	< 10 JB	< 9.5 JB	< 14 JB	< 0.17 JB	3.5 JB
MW-2	10/21/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	0.17 JB	< 1.0 JB	--	--	< 50 JB	35 JB	< 250 JB	0.55 JB	< 2.0 JB
MW-2	1/20/2015	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	< 0.17 JB	--	--	< 27 JB	29 JB	180 JB	< 0.17 JB	< 0.17 JB
MW-2	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0*	--	--	< 50	37 JB	< 250	0.24 J	< 2.0
MW-2	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	430	490	< 2.0	< 2.0
MW-2	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-2	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 100	< 250	< 4.0	< 4.0
MW-2	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 120	< 400	< 4.0	< 4.0
MW-2	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-2	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-3	10/5/1994	**12 JB**	3 JB	< 0.5 JB	1.5 JB	--	**3 JB**	< 0.51 JB	< 50 JB	--	--	< 2.0 JB	--
MW-3	2/15/1995	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	< 2.0 JB	--
MW-3	7/20/1995	0.78 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	--	--
MW-3	4/17/1996	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	--	--
MW-3	7/8/1996	0.879 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	--	--
MW-3	3/11/1997	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	--	--
MW-3	5/29/1997	2.10 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	223 JB	--	--	--	--
MW-3	8/5/1997	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	56.5 JB	--	--	--	--
MW-3	6/30/1998	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	--	--
MW-3	6/30/2000	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-3	9/27/2000	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-3	6/26/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-3	12/9/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-3	4/7/2004	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-3	11/16/2004	< 0.200 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 2.00 JB	--	--	< 80.0 JB	< 250 JB	< 500 JB	1.52 JB	< 1.00 JB
MW-3	12/6/2005	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-3	6/5/2006	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 258 JB	< 515 JB	< 1.00 JB	< 1.00 JB
MW-3	9/24/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-3	1/30/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-3	4/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	--	--	--	--
MW-3	7/2/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 238 JB	< 476 JB	--	--
MW-3	10/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-3	1/5/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 248 JB	< 495 JB	--	--
MW-3	4/7/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 240 JB	< 481 JB	< 1.00 JB	< 1.00 JB
MW-4	1/23/1996	**5000 JB**	**5100 JB**	**2000 JB**	**15000 JB**	--	--	--	**3300000 JB**	**9000 JB**	**14000 JB**	--	--
MW-4	3/9/1999	4.76 JB	< 0.5 JB	< 0.5 JB	1.73 JB	--	--	--	53.3 JB	< 250 JB	< 750 JB	--	--
MW-4	9/27/1999	4.04 JB	< 0.500 JB	< 0.500 JB	< 10.0 JB	--	--	--	**2100 JB**	**590 JB**	--	--	--
MW-4	12/20/1999	**690 JB**	< 2.50 JB	4.77 JB	33.7 JB	--	--	--	385 JB	< 498 JB	--	--	--
MW-4	3/16/2000	**52.8 JB**	1.22 JB	3.25 JB	25.3 JB	--	--	--	685 JB	--	--	--	--
MW-4	6/30/2000	**152 JB**	5.70 JB	3.54 JB	31.1 JB	--	--	--	**983 JB**	**3340 JB**	< 750 JB	--	--
MW-4	9/27/2000	**147 JB**	3.51 JB	19.4 JB	64.7 JB	--	--	--	**1430 JB**	**1800 JB**	< 750 JB	--	--
MW-4	3/19/2001	**338 JB**	< 5.00 JB	14.0 JB	31.9 JB	**319 JB**	--	--	**1040 JB**	**739 JB**	< 1450 JB	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-4	6/27/2001	**37.8 JB**	0.821 JB	1.69 JB	13.0 JB	18.6 JB	--	--	630 JB	< 250 JB	< 750 JB	--	--
MW-4	9/26/2001	**1850 JB**	491 JB	**3480 JB**	**30100 JB**	**149 JB**	--	--	**611000 JB**	**11300 JB**	**11500 JB**	--	--
MW-4	12/3/2001	**325 JB**	< 5.00 JB	< 5.00 JB	32.5 JB	**34.7 JB**	--	--	**1980 JB**	**2120 JB**	**3880 JB**	--	--
MW-4	6/6/2002	**199 JB**	< 2.50 JB	6.30 JB	48.6 JB	**33.2 JB**	< 0.01 JB	< 1.00 JB	**2940 JB**	**1620 JB**	**2160 JB**	6.96 JB	2.43 JB
MW-4	6/26/2003	**1350 JB**	< 5.00 JB	45.1 JB	52.1 JB	< 20.0 JB	--	--	**4410 JB**	**6630 JB**	**3070 JB**	4.04 JB	1.87 JB
MW-4	12/9/2003	**918 JB**	2.52 JB	64.0 JB	47.6 JB	**38.2 JB**	--	--	**3200 JB**	**1240 JB**	**2450 JB**	< 1.00 JB	< 1.00 JB
MW-4	4/7/2004	**1230 JB**	< 5.00 JB	10.1 JB	25.2 JB	< 10.0 JB	--	--	**3470 JB**	**711 JB**	**1230 JB**	2.45 JB	1.58 JB
MW-4	11/16/2004	**990 JB**	< 5.00 JB	96.9 JB	154 JB	**20.9 JB**	--	--	**76200 JB**	**24300 JB**	**8350 JB**	11.5 JB	< 1.00 JB
MW-4	3/29/2005	**5920 JB**	79.0 JB	**1140 JB**	**6630 JB**	< 100 JB	< 0.010 JB	< 25.0 JB	**28900 JB**	**16700 JB**	**25800 JB**	**204 JB**	--
MW-4	6/22/2005	**1070 JB**	< 5.00 JB	22.5 JB	44.7 JB	< 20.0 JB	--	--	**2730 JB**	**4600 JB**	**6130 JB**	10 JB	< 1.00 JB
MW-4	9/12/2005	**980 JB**	10.3 JB	143 JB	55.1 JB	16.2 JB	--	--	**5450 JB**	**1070 JB**	**1590 JB**	2.62 JB	< 1.00 JB
MW-4	12/6/2005	**737 JB**	5.0 JB	127 JB	58.0 JB	< 10.0 JB	--	--	**4320 JB**	**1030 JB**	**1720 JB**	2.42 JB	< 1.00 JB
MW-4	6/5/2006	**851 JB**	< 10.0 JB	146 JB	168 JB	< 20.0 JB	--	--	**3720 JB**	430 JB	**641 JB**	3.04 JB	< 1.00 JB
MW-4	9/29/2006	< 0.500 JB	< 0.500 JB	0.81 JB	< 3.00 JB	--	--	--	174 JB	--	--	--	--
MW-4	12/19/2006	**33.8 JB**	< 0.500 JB	2.35 JB	2.03 JB	--	--	--	566 JB	--	--	--	--
MW-4	9/24/2007	**99.5 JB**	1.62 JB	67.3 JB	82.2 JB	< 1.00 JB	--	--	**1360 JB**	**1610 JB**	**3710 JB**	--	--
MW-4	12/31/2007	**111 JB**	2.9 JB	53.6 JB	63.5 JB	< 1.00 JB	--	--	**1620 JB**	< 236 JB	< 472 JB	--	--
MW-4	1/30/2008	**134 JB**	11.6 JB	13.2 JB	63.2 JB	< 1.00 JB	--	--	**1640 JB**	< 236 JB	< 472 JB	--	--
MW-4	4/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	--	--	--	--
MW-4	7/2/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 238 JB	< 476 JB	--	--
MW-4	10/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-4	1/5/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	**644 JB**	--	--
MW-4	4/8/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 245 JB	< 490 JB	< 1.00 JB	< 1.00 JB
MW-4	7/8/2009	0.900 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 2.00 JB	--	--	< 80.0 JB	< 248 JB	< 495 JB	3.95 JB	2.96 JB
MW-4	10/6/2009	< 1.00 JB	< 1.00 JB	< 1.00 JB	< 2.00 JB	< 1.00 JB	--	--	69 JB	< 245 JB	< 490 JB	3.6 JB	2.9 JB
MW-4	1/5/2010	< 1.00 JB	< 1.00 JB	< 1.00 JB	< 2.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 120 JB	250 JB	3.8 JB	< 2.00 JB
MW-4	5/25/2010	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	210 JB	< 240 JB	< 2.00 JB	< 2.00 JB
MW-4	8/19/2010	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	140 JB	< 240 JB	< 2.00 JB	< 2.00 JB
MW-4	12/7/2010	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 1.0 JB	--	--	< 50 JB	420 JB	**920 JB**	2.6 JB	< 2.0 JB
MW-4	1/26/2011	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 1.0 JB	--	--	< 50 JB	260 JB	330 JB	3.0 JB	< 2.0 JB
MW-4	6/16/2011	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 1.0 JB	--	--	< 50 JB	**1200 JB**	**2200 JB**	< 2.0 JB	< 2.0 JB
MW-4	9/22/2011	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 1.0 JB	--	--	< 50 JB	< 96.2 JB	< 481 JB	< 2.0 JB	< 2.0 JB
MW-4	12/6/2011	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50.0 JB	< 75.5 JB	< 377 JB	< 10.0 JB	< 10.0 JB
MW-4	3/8/2012	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50.0 JB	< 82.5 JB	< 412 JB	< 10.0 JB	< 10.0 JB
MW-4	6/19/2012	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50.0 JB	< 160 JB	< 800 JB	< 10.0 JB	< 10.0 JB
MW-4	9/21/2012	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50.0 JB	< 80.8 JB	< 404 JB	< 10.0 JB	< 10.0 JB
MW-4	12/11/2012	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 100 JB	< 189 JB	304 JB	< 3.0 JB	< 3.0 JB
MW-4	6/25/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	25 JB	71 JB	< 10 JB	< 10 JB
MW-4	9/25/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 270 JB	< 270 JB	< 10.0 JB	< 10.0 JB
MW-4	11/14/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 260 JB	< 260 JB	< 10.0 JB	< 10.0 JB
MW-4	2/12/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50 JB	**590 BY**	390 BY	0.30 JB	< 2.0 JB
MW-4	4/2/2014	< 1.1 JB	< 0.89 JB	< 0.89 JB	< 0.82 JB	< 0.74 JB	--	--	< 10 JB	**900 JB**	**780 JB**	0.51 JB	< 0.17 JB
MW-4	7/10/2014	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	< 0.17 JB	--	--	14 JB	300 JB	200 JB	< 0.17 JB	< 0.17 JB
MW-4	10/22/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	0.16 JB	0.25 JB	--	--	11 JB	350 JB	210 JB	0.55 JB	< 2.0 JB
MW-4	1/20/2015	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	< 0.17 JB	--	--	< 27 JB	**580 JB**	**510 JB**	< 0.17 JB	< 0.17 JB
MW-4	12/16/2015	< 0.42 JB	< 0.44 JB	< 0.51 JB	< 0.50 JB	0.20 JB	--	--	35 JB	280 JB	260 JB	--	--
MW-4	3/11/2016	< 0.025 JB	< 0.025 JB	< 0.030 JB	< 0.060 JB	0.11 JB	--	--	< 27 JB	440 JB	**610 JB**	--	--
MW-4	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	0.25 JH	--	--	< 50	320 B	240 JB	0.26 J	< 2.0
MW-4	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	160	< 250	< 2.0	< 2.0
MW-4	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	420	460	< 2.0	< 2.0
MW-4	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	410	**600**	< 4.0	< 4.0

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-4	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**740**	470	< 4.0	< 4.0
MW-4	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**510**	**790**	< 4.0	< 4.0
MW-4	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	480	**510**	< 4.0	< 4.0
MW-4	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**1000**	**1100**	< 4.0	< 4.0
MW-5	10/5/1994	**57 JB**	2.6 JB	0.94 JB	2.2 JB	--	--	--	< 50 JB	--	--	2.4 JB	--
MW-5	2/15/1995	**160 JB**	0.96 JB	< 0.5 JB	< 1.0 JB	--	--	--	63 JB	440 JB	**3300 JB**	< 2.0 JB	--
MW-5	4/10/1995	**270 JB**	< 2.0 JB	< 2.0 JB	< 4.0 JB	--	--	--	< 100 JB	--	--	--	--
MW-5	7/20/1995	**330 JB**	1.1 JB	1.1 JB	< 1.0 JB	--	--	--	80 JB	**720 JB**	**870 JB**	--	--
MW-5	10/26/1995	**440 JB**	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	61 JB	**1100 JB**	**2400 JB**	--	--
MW-5	1/23/1996	**770 JB**	< 4.0 JB	< 4.0 JB	8.4 JB	--	--	--	< 200 JB	**3200 JB**	**10000 JB**	--	--
MW-5	4/17/1996	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	490 JB	< 750 JB	--	--
MW-5	7/8/1996	< 0.5 JB	< 0.5 JB	< 0.5 JB	2.64 JB	--	--	--	544 JB	**683 JB**	**791 JB**	--	--
MW-5	3/11/1997	3.22 JB	10.9 JB	1.65 JB	13.0 JB	--	--	--	76.4 JB	**4241 JB**	< 750 JB	--	--
MW-5	10/23/1997	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	447 JB	< 750 JB	--	--
MW-5	3/11/1998	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 80 JB	< 250 JB	< 750 JB	--	--
MW-5	9/25/1998	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	< 250 JB	< 750 JB	--	--
MW-5	12/29/1998	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	< 250 JB	< 750 JB	--	--
MW-5	3/9/1999	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	< 250 JB	< 750 JB	--	--
MW-5	6/2/1999	< 0.500 JB	3.17 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-5	9/27/1999	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	--	--	--
MW-5	12/20/1999	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	--	--	--
MW-5	6/30/2000	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-5	9/27/2000	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-5	6/27/2001	< 2.50 JB	< 2.50 JB	< 2.50 JB	< 5.00 JB	**90.1 JB**	--	--	< 250 JB	< 322 JB	< 965 JB	--	--
MW-5	9/26/2001	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	19.7 JB	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-5	12/3/2001	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	**27.2 JB**	--	--	< 50.0 JB	< 250 JB	< 500 JB	--	--
MW-5	6/26/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	**22.1 JB**	--	--	< 50.0 JB	< 250 JB	< 500 JB	1.63 JB	< 1.00 JB
MW-5	12/9/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	**21.0 JB**	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-5	11/16/2004	< 0.200 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	**26.9 JB**	--	--	< 80.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-5	12/6/2005	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	9.4 JB	--	--	< 50.0 JB	< 243 JB	< 485 JB	< 1.00 JB	< 1.00 JB
MW-5	6/5/2006	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	4.37 JB	--	--	< 50.0 JB	< 263 JB	< 526 JB	2.1 JB	< 1.00 JB
MW-5	9/24/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	1.54 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-5	12/31/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	1.35 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-5	1/30/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	1.27 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-5	4/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	1.95 JB	--	--	< 50.0 JB	--	--	--	--
MW-5	7/2/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	2.02 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-5	10/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	1.81 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-5	1/5/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	1.43 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	--	--
MW-5	4/8/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	2.07 JB	--	--	< 50.0 JB	< 243 JB	< 485 JB	< 1.00 JB	< 1.00 JB
MW-5	9/21/2012	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50.0 JB	< 80.0 JB	< 400 JB	< 10.0 JB	< 10.0 JB
MW-5	6/25/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 250 JB	30 JB	< 10 JB	< 10 JB
MW-5	9/25/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 270 JB	< 270 JB	< 10.0 JB	< 10.0 JB
MW-5	11/14/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 260 JB	< 260 JB	< 10.0 JB	< 10.0 JB
MW-5	2/12/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	0.46 JB	--	--	< 50 JB	78 JB	80 JB	< 2.0 JB	< 2.0 JB
MW-5	4/1/2014	< 1.1 JB	< 0.89 JB	< 0.89 JB	< 0.82 JB	0.78 JB	--	--	< 10 JB	110 JB	160 JB	< 0.17 JB	< 0.17 JB
MW-5	7/10/2014	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	0.38 JB	--	--	< 10 JB	150 JB	180 JB	< 0.17 JB	< 0.17 JB
MW-5	10/21/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	0.39 JB	--	--	< 50 JB	100 JB	< 250 JB	0.44 JB	< 2.0 JB
MW-5	1/20/2015	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	0.43 JB	--	--	< 27 JB	220 JB	230 JB	< 0.17 JB	< 0.17 JB
MW-5	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	0.31 JH	--	--	< 50	62 JB	35 JB	< 2.0	< 2.0
MW-5	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	120	< 250	< 2.0	< 2.0

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-5	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	120	< 250	< 2.0	< 2.0
MW-5	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	210	350	< 4.0	< 4.0
MW-5	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	150	< 250	< 4.0	< 4.0
MW-5	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	150	< 390	< 4.0	< 4.0
MW-6	10/5/1994	**160 JB**	260 JB	45 JB	180 JB	--	--	--	**1400 JB**	--	--	< 2.0 JB	--
MW-6	2/15/1995	**13 JB**	32 JB	5.7 JB	30 JB	--	--	--	220 JB	--	< 1000 JB	< 2.0 JB	--
MW-6	7/20/1995	**130 JB**	410 JB	70 JB	390 JB	--	--	--	**2300 JB**	< 250 JB	--	--	--
MW-6	4/17/1996	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	--	--
MW-6	7/8/1996	< 0.5 JB	0.528 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	< 250 JB	< 750 JB	--	--
MW-6	3/11/1998	1.4 JB	5.35 JB	1.24 JB	19.4 JB	--	--	--	192 JB	< 250 JB	< 750 JB	--	--
MW-6	3/16/2000	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-6	11/10/2000	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 80.0 JB	< 250 JB	< 750 JB	--	--
MW-6	3/19/2001	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-6	12/3/2001	2.15 JB	0.875 JB	10.4 JB	36.1 JB	< 5.00 JB	--	--	394 JB	< 250 JB	< 500 JB	--	--
MW-6	6/26/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-6	12/9/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-6	11/16/2004	< 0.200 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 2.00 JB	--	--	< 80.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-6	9/12/2005	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 294 JB	< 588 JB	< 1.00 JB	< 1.00 JB
MW-6	12/6/2005	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 245 JB	< 490 JB	< 1.00 JB	< 1.00 JB
MW-6	6/5/2006	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 263 JB	< 526 JB	< 1.00 JB	< 1.00 JB
MW-6	9/24/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-6	1/30/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 243 JB	< 485 JB	--	--
MW-6	4/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 238 JB	< 476 JB	--	--
MW-6	7/2/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 240 JB	< 481 JB	--	--
MW-6	10/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-6	1/5/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-6	4/8/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 243 JB	< 485 JB	< 1.00 JB	< 1.00 JB
MW-7	10/5/1994	**4600 JB**	470 JB	81 JB	810 JB	--	--	--	**5500 JB**	--	--	< 2.0 JB	--
MW-7	2/15/1995	**5500 JB**	240 JB	80 JB	160 JB	--	--	--	**4300 JB**	--	**12000 JB**	< 2.0 JB	--
MW-7	4/10/1995	**3600 JB**	140 JB	53 JB	470 JB	--	--	--	**2800 JB**	--	**7800 JB**	--	--
MW-7	7/20/1995	**3300 JB**	260 JB	36 JB	350 JB	--	--	--	**2400 JB**	**1200 JB**	--	--	--
MW-7	10/26/1995	**590 JB**	12 JB	< 0.5 JB	< 1.0 JB	--	--	--	170 JB	**930 JB**	**2100 JB**	--	--
MW-7	1/23/1996	2.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	**1100 JB**	**2100 JB**	--	--
MW-7	4/17/1996	**2500 JB**	57 JB	45 JB	270 JB	--	--	--	**1500 JB**	**580 JB**	< 750 JB	--	--
MW-7	7/8/1996	**1220 JB**	25.6 JB	< 0.5 JB	162 JB	--	--	--	**1100 JB**	**879 JB**	< 750 JB	--	--
MW-7	10/10/1996	**1100 JB**	21.3 JB	21.5 JB	72.8 JB	--	--	--	< 1000 JB	**636 JB**	< 750 JB	--	--
MW-7	3/11/1997	**708 JB**	20.8 JB	8.18 JB	22.0 JB	--	--	--	373 JB	**8571 JB**	< 750 JB	--	--
MW-7	5/29/1997	**580 JB**	< 5.0 JB	6.72 JB	14.3 JB	--	--	--	< 500 JB	--	--	--	--
MW-7	8/5/1997	**462 JB**	3.11 JB	5.81 JB	13.9 JB	--	--	--	265 JB	**713 JB**	< 750 JB	--	--
MW-7	10/23/1997	**23.7 JB**	< 0.5 JB	0.689 JB	1.62 JB	--	--	--	89.4 JB	**565 JB**	< 750 JB	--	--
MW-7	3/11/1998	**19.2 JB**	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 80 JB	< 250 JB	< 750 JB	--	--
MW-7	9/25/1998	**25.7 JB**	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	< 250 JB	< 750 JB	--	--
MW-7	12/29/1998	**116 JB**	< 2.5 JB	< 2.5 JB	< 5.0 JB	--	--	--	< 250 JB	< 250 JB	< 750 JB	--	--
MW-7	3/9/1999	**73.5 JB**	0.502 JB	0.559 JB	1.52 JB	--	--	--	68.3 JB	< 250 JB	< 750 JB	--	--
MW-7	6/2/1999	**41.1 JB**	5.95 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-7	9/27/1999	0.544 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	--	--	--
MW-7	12/20/1999	**161 JB**	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	< 250 JB	--	--	--
MW-7	6/30/2000	1.20 JB	< 0.780 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	420 JB	< 750 JB	--	--
MW-7	9/27/2000	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	323 JB	< 750 JB	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-7	11/10/2000	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 80.0 JB	< 250 JB	< 750 JB	--	--
MW-7	3/19/2001	< 0.500 JB	0.821 JB	< 0.500 JB	< 1.00 JB	**55.9 JB**	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-7	6/27/2001	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	**35.2 JB**	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-7	9/26/2001	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	**57.8 JB**	--	--	< 50.0 JB	253 JB	< 750 JB	--	--
MW-7	12/9/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	**35.6 JB**	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-7	11/16/2004	< 0.200 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	**20.6 JB**	--	--	84.3 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-7	12/6/2005	**644 JB**	**8200 JB**	**942 JB**	**5250 JB**	< 200 JB	--	--	**33000 JB**	< 243 JB	< 485 JB	< 1.00 JB	< 1.00 JB
MW-7	6/5/2006	**26.8 JB**	10.0 JB	373 JB	520 JB	< 20.0 JB	--	--	**4590 JB**	< 278 JB	< 556 JB	< 1.00 JB	< 1.00 JB
MW-7	9/29/2006	< 0.500 JB	0.85 JB	27.3 JB	86.3 JB	--	--	--	**1760 JB**	--	--	--	--
MW-7	12/19/2006	< 0.500 JB	< 0.500 JB	1.26 JB	8.9 JB	--	--	--	189 JB	--	--	--	--
MW-7	12/31/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	3.1 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-7	1/30/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	2.73 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-7	4/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	5.63 JB	--	--	< 50.0 JB	< 243 JB	< 485 JB	--	--
MW-7	7/2/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	3.96 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-7	10/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	2.23 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-7	1/5/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	2.63 JB	--	--	< 50.0 JB	< 248 JB	< 495 JB	--	--
MW-7	4/8/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	5.4 JB	--	--	< 50.0 JB	< 243 JB	< 485 JB	< 1.00 JB	< 1.00 JB
MW-8	10/5/1994	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	< 2.0 JB	--
MW-8	2/15/1995	--	--	--	--	--	--	--	--	< 250 JB	--	--	--
MW-8	7/20/1995	--	--	--	--	--	--	--	--	410 JB	< 750 JB	--	--
MW-8	3/11/1998	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 80 JB	< 250 JB	< 750 JB	--	--
MW-8	12/20/1999	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	--	--	--	--
MW-8	6/6/2002	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 2.00 JB	< 0.01 JB	< 1.00 JB	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-8	6/26/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-8	12/9/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	1.42 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-8	11/16/2004	< 0.200 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 2.00 JB	--	--	< 80.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-8	9/12/2005	< 0.500 JB	0.653 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 281 JB	< 562 JB	< 1.00 JB	< 1.00 JB
MW-8	12/6/2005	< 0.500 JB	1.07 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-8	6/5/2006	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 243 JB	< 485 JB	< 1.00 JB	< 1.00 JB
MW-8	9/24/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 238 JB	< 476 JB	--	--
MW-8	12/31/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-8	1/30/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	--	--
MW-8	4/2/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 238 JB	< 476 JB	--	--
MW-8	7/1/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-8	10/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-8	1/6/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 248 JB	< 495 JB	--	--
MW-8	4/8/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 245 JB	< 490 JB	< 1.00 JB	< 1.00 JB
MW-8	6/26/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 250 JB	< 500 JB	< 10 JB	< 10 JB
MW-8	9/25/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 270 JB	< 270 JB	< 10.0 JB	< 10.0 JB
MW-8	11/15/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 260 JB	< 260 JB	< 10.0 JB	< 10.0 JB
MW-8	2/13/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50 JB	62 JB	65 JB	< 2.0 JB	< 2.0 JB
MW-8	4/2/2014	< 1.1 JB	< 0.89 JB	< 0.89 JB	< 0.82 JB	0.78 JB	--	--	< 10 JB	66 JB	88 JB	< 0.17 JB	< 0.17 JB
MW-8	7/10/2014	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	< 0.17 JB	--	--	< 10 JB	95 JB	81 JB	< 0.17 JB	< 0.17 JB
MW-8	10/21/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50 JB	55 JB	< 250 JB	0.44 JB	< 2.0 JB
MW-8	1/19/2015	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	< 0.17 JB	--	--	< 27 JB	98 JB	< 29 H1	< 0.17 JB	< 0.17 JB
MW-8	3/10/2016	--	--	--	--	--	--	--	--	--	--	1.7 J	< 0.17
MW-8	6/1/2016	--	--	--	--	--	--	--	--	--	--	2.9 JB	< 0.17 JB
MW-8	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0*	--	--	< 50	93 JB	59 JB	0.26 J	< 2.0
MW-8	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-8	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	130	< 260	5.5	< 2.0

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-8	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	< 100	< 250	< 4.0	< 4.0
MW-8	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 100	< 250	< 4.0	< 4.0
MW-8	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 130	< 410	< 4.0	< 4.0
MW-8	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	130	< 350	< 4.0	< 4.0
MW-8	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	130	< 350	< 4.0	< 4.0
MW-9	10/5/1994	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	4.6 JB	--
MW-9	7/20/1995	--	--	--	--	--	--	--	--	280 JB	--	--	--
MW-9	7/8/1996	--	--	--	--	--	--	--	--	< 250 JB	< 750 JB	--	--
MW-9	6/30/1998	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	< 250 JB	--	--	--
MW-9	12/20/1999	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	--	--	--	--
MW-9	6/27/2001	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 5.00 JB	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-9	9/26/2001	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 5.00 JB	--	--	< 50.0 JB	< 250 JB	< 750 JB	--	--
MW-9	6/26/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 5.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-9	12/9/2003	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	2.12 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-9	11/16/2004	< 0.200 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 2.00 JB	--	--	< 80.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-9	9/12/2005	< 0.500 JB	5.91 JB	< 0.500 JB	< 1.00 JB	< 2.00 JB	--	--	156 JB	< 312 JB	< 625 JB	< 1.00 JB	< 1.00 JB
MW-9	12/6/2005	< 0.500 JB	0.85 JB	< 0.500 JB	< 1.00 JB	1.07 JB	--	--	< 50.0 JB	< 248 JB	< 495 JB	< 1.00 JB	< 1.00 JB
MW-9	6/5/2006	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 250 JB	< 500 JB	< 1.00 JB	< 1.00 JB
MW-9	9/24/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 243 JB	< 485 JB	--	--
MW-9	12/31/2007	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-9	4/2/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 240 JB	< 481 JB	--	--
MW-9	7/1/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-9	10/3/2008	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 236 JB	< 472 JB	--	--
MW-9	1/6/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 3.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 248 JB	< 495 JB	--	--
MW-9	4/8/2009	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	< 1.00 JB	--	--	< 50.0 JB	< 248 JB	< 495 JB	< 1.00 JB	< 1.00 JB
MW-9	9/21/2012	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50.0 JB	< 78.4 JB	< 392 JB	< 10.0 JB	< 10.0 JB
MW-9	6/26/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 250 JB	< 500 JB	< 10 JB	< 10 JB
MW-9	9/25/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 270 JB	< 270 JB	< 10.0 JB	< 10.0 JB
MW-9	11/14/2013	< 0.50 JB	< 0.50 JB	< 0.50 JB	< 1.0 JB	< 0.50 JB	--	--	< 50 JB	< 260 JB	< 260 JB	< 10.0 JB	< 10.0 JB
MW-9	2/14/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50 JB	74 JB	82 JB	< 2.0 JB	< 2.0 JB
MW-9	4/2/2014	< 1.1 JB	< 0.89 JB	< 0.89 JB	< 0.82 JB	< 0.74 JB	--	--	< 10 JB	46 JB	58 JB	< 0.17 JB	< 0.17 JB
MW-9	7/10/2014	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	< 0.17 JB	--	--	< 10 JB	75 JB	62 JB	< 0.17 JB	0.35 JB
MW-9	10/21/2014	< 1.0 JB	< 1.0 JB	< 1.0 JB	< 3.0 JB	< 1.0 JB	--	--	< 50 JB	66 JB	< 240 JB	0.26 JB	< 2.0 JB
MW-9	1/20/2015	< 0.14 JB	< 0.16 JB	< 0.13 JB	< 0.12 JB	< 0.17 JB	--	--	< 27 JB	89 JB	< 30 H1	< 0.17 JB	< 0.17 JB
MW-9	12/14/2015	< 0.42	< 0 *	< 0.51	< 0.50	< 0.17	--	--	< 27 JB	55 JB	< 29	--	--
MW-9	3/10/2016	< 0.025	< 0.025	< 0.030	< 0.060	< 0.025	--	--	< 27	47 J	120 J	< 0.17	< 0.17
MW-9	6/1/2016	--	--	--	--	--	--	--	--	--	--	< 0.17	< 0.17
MW-9	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0*	--	--	< 50	53 JB	34 JB	< 2.0	< 2.0
MW-9	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-9	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-9	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	< 100	< 260	< 4.0	< 4.0
MW-9	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 100	< 250	< 4.0	< 4.0
MW-9	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 130	< 410	< 4.0	< 4.0
MW-9	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-9	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	140	< 350	< 4.0	< 4.0
MW-10	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	8.7	--
MW-10	7/20/1995	--	--	--	--	--	--	--	--	320	--	--	--
MW-10	7/8/1996	--	--	--	--	--	--	--	--	382	< 750	--	--
MW-10	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	--	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-10	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-10	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	**23.4**	--	--	< 50.0	< 250	< 500	1.06	< 1.00
MW-10	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-10	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	16.8	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-10	3/29/2005	< 0.200	< 0.500	< 0.500	< 1.00	13.8	< 0.010	< 0.500	< 80.0	< 250	< 500	1.72	--
MW-10	6/22/2005	0.240	< 0.500	< 0.500	< 1.00	17.0	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-10	9/12/2005	< 0.500	3.28	< 0.500	< 1.00	19.7	--	--	63.8	< 333	< 667	< 1.00	< 1.00
MW-10	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	13.4	--	--	< 50.0	< 291	< 581	< 1.00	< 1.00
MW-10	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	2.49	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-10	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	13.9	--	--	< 50.0	< 238	< 476	--	--
MW-10	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	1.55	--	--	< 50.0	< 236	< 472	--	--
MW-10	4/2/2008	< 0.500	1.54	0.61	3.71	**21.4**	--	--	< 50.0	< 236	< 472	--	--
MW-10	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	**91.5**	--	--	< 50.0	< 238	< 476	--	--
MW-10	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	**110**	--	--	< 50.0	< 236	< 472	--	--
MW-10	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	**35.5**	--	--	< 50.0	< 243	< 485	--	--
MW-10	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	4.59	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
MW-10	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	1.2	--	--	< 50.0	< 78.4	< 392	< 10.0	< 10.0
MW-10	6/26/2013	< 0.50	0.55	< 0.50	< 1.0	0.78	--	--	< 50	< 250	< 500	< 10	< 10
MW-10	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 270	< 270	< 10.0	< 10.0
MW-10	11/14/2013	< 0.50	< 0.50	< 0.50	< 1.0	0.86	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-10	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	0.51 J	--	--	< 50	42 JB	49 JB	< 2.0	< 2.0
MW-10	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	< 10	55 JB	64 JB	< 0.17	< 0.17
MW-10	7/11/2014	< 0.14	< 0.16	< 0.13	< 0.12	0.21 J	--	--	< 10	64 JB	31 J	< 0.17	< 0.17
MW-10	10/21/2014	< 1.0	< 1.0	< 1.0	< 3.0	0.61 J	--	--	< 50	89 J	< 240	0.26 JB	< 2.0
MW-10	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	0.28 J	--	--	< 27	58 JH1B^	< 28 H1	< 0.17	< 0.17
MW-10	3/11/2016	--	--	--	--	--	--	--	--	--	--	< 0.17	< 0.17
MW-10	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	0.22 JH	--	--	< 50	48 JB	29 JB	< 2.0	< 2.0
MW-10	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	**2000**	< 250	< 2.0	< 2.0
MW-10	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-10	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	< 100	< 250	< 4.0	< 4.0
MW-10	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 100	< 260	< 4.0	< 4.0
MW-10	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 120	< 390	< 4.0	< 4.0
MW-10	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-10	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	130	< 350	< 4.0	< 4.0
MW-11	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	**15000**	**24900**	--	--
MW-11	6/27/2001	**386**	32.4	30.4	777	**29.6**	--	--	**11500**	**700**	< 750	--	--
MW-11	9/26/2001	**122**	13.0	18.4	692	< 20.0	--	--	**23600**	**5890**	**5510**	--	--
MW-11	12/3/2001	**177**	9.17	19.7	320	**25.8**	--	--	**6220**	**2510**	**4850**	--	--
MW-11	6/6/2002	**192**	4.66	30.8	456	< 2.00	< 0.01	< 1.00	**5710**	**5170**	**6790**	**16.0**	4.95
MW-11	6/26/2003	**301**	5.01	120	568	< 20.0	--	--	**9170**	**72800**	**107000**	8.71	3.09
MW-11	12/9/2003	**99.2**	3.00	48.9	314	14.8	--	--	**4650**	**1610**	**2910**	2.94	1.14
MW-11	11/16/2004	**155**	2.95	66.4	610	< 10.0	--	--	**29000**	**72200**	**28500**	**32.1**	2.06
MW-11	3/29/2005	**138**	< 2.50	90.6	145	< 10.0	< 0.010	< 2.50	**6310**	**42200**	**22600**	12.3	--
MW-11	6/22/2005	**112**	1.97	105	259	5.42	--	--	**6810**	**20100**	**10800**	10.6	1.56
MW-11	9/12/2005	**217**	< 12.5	224	992	3.48	--	--	**22000**	**81100**	**169000**	**43**	21.8
MW-11	12/6/2005	**148**	< 2.50	130	504	< 5.00	--	--	**13000**	**85600**	**178000**	**33.1**	3.1
MW-11	6/5/2006	**245**	< 5.00	149	529	< 10.0	--	--	**10200**	**58000**	**111000**	**132**	32.9
MW-11	9/29/2006	4.44	0.57	2.84	47.5	--	--	--	**4840**	--	--	--	--
MW-11	12/19/2006	**5.0**	< 0.500	2.3	11.8	--	--	--	**1630**	--	--	--	--
MW-11	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	**1310**	**2950**	**5910**	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-11	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	69.5	349	**833**	5.67	1.48
MW-11	7/8/2009	0.370	< 0.500	< 0.500	< 1.00	< 2.00	--	--	175	**714**	**1370**	3.90	1.07
MW-11	10/6/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	410	< 243	< 485	2.6	< 2.00
MW-11	1/5/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	290	140	270	< 2.00	< 2.00
MW-11	5/25/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	97	150	< 240	2.1	< 2.00
MW-11	8/19/2010	< 0.50	< 0.50	< 0.50	1.00	< 1.00	--	--	180	210	< 240	3.2	< 2.00
MW-11	12/7/2010	< 0.50	< 0.50	< 0.50	1.1	< 1.0	--	--	190	170	280	2.3	< 2.0
MW-11	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	81	210	< 240	< 2.0	< 2.0
MW-11	6/16/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	77	**870**	**1300**	< 2.0	< 2.0
MW-11	9/22/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	51	**1310**	**3220**	2.7	< 2.0
MW-11	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	292	**726**	< 10.0	< 10.0
MW-11	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	179	< 396	< 10.0	< 10.0
MW-11	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0
MW-11	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	111	268	**777**	< 10.0	< 10.0
MW-11	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 182	204	< 3.0	< 3.0
MW-11	6/27/2013	< 0.50	0.5	< 0.50	< 1.00	< 0.50	--	--	< 50	88	290	< 10	< 10
MW-11	9/26/2013	< 0.50	2	< 0.50	< 1.0	< 0.50	--	--	63	< 270	< 270	< 10.0	< 10.0
MW-11	11/15/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-11	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	150	**1500 BY**	**2700 BY**	1.1 J	< 2.0
MW-11	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	25 J	**850 BY**	**1700 BY**	0.77 J	< 0.17
MW-11	7/11/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	34 JB	360 BY	470 Y	0.81 J	< 0.17
MW-11	10/22/2014	0.29 J	< 1.0	< 1.0	0.26 JB	< 1.0	--	--	58 B	430 Y	190 J	0.87 JB	< 2.0
MW-11	1/21/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	33 J	230 H1BY^	**1801 J^H1**	0.32 J	< 0.17
MW-11	12/14/2015	< 0.42	< 0 *	< 0.51	< 0.50	< 0.17	--	--	48 J	170 B	95 J	--	--
MW-11	3/10/2016	0.035 J	< 0.025	< 0.030	< 0.060	< 0.025	--	--	41 J	420	**700**	--	--
MW-11	6/1/2016	< 0.42	< 0.18	< 0.21	< 0.49	< 0.11	--	--	40 J	460 B	340	--	--
MW-11	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0F1*	--	--	95	480 B	380 B	0.44 J	0.55 J
MW-11	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	110	**930**	**1300**	< 2.0	< 2.0
MW-11	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	65	440	480	< 2.0	< 2.0
MW-11	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	450	**670**	< 4.0	< 4.0
MW-11	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**740**	**760**	< 4.0	< 4.0
MW-11	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**660**	**1400**	< 4.0	< 4.0
MW-11	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**580**	**620**	< 4.0	< 4.0
MW-11	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**720**	**1100**	< 4.0	< 4.0
MW-12	7/11/1996	**624**	174	41.6	164	--	--	--	**2620**	**618**	--	--	--
MW-12	10/10/1996	**264**	2.98	3.23	60.4	--	--	--	**1720**	< 250	< 750	--	--
MW-12	3/11/1997	4.02	1.01	< 0.5	9.94	--	--	--	541	402	< 750	--	--
MW-12	5/29/1997	**31.1**	0.530	< 0.5	16.7	--	--	--	**2100**	**1460**	**2500**	--	--
MW-12	8/5/1997	**193**	5.16	5.19	87.9	--	--	--	**2010**	**712**	< 750	--	--
MW-12	10/23/1997	**71.7**	< 0.5	< 0.5	5.78	--	--	--	358	**996**	**1840**	--	--
MW-12	3/11/1998	**204**	9.30	< 1.0	18	--	--	--	398	< 250	< 750	--	--
MW-12	6/30/1998	**134**	< 2.50	< 5.00	< 30.0	--	--	--	**8070**	289	--	--	--
MW-12	12/29/1998	**85.9**	< 1.0	< 1.0	5.80	--	--	--	313	< 250	< 750	--	--
MW-12	3/9/1999	**62.1**	1.71	< 3.0	< 41.0	--	--	--	**6920**	**770**	**1810**	--	--
MW-12	6/27/2001	**2920**	452	275	**1360**	**350**	--	--	**33600**	**679**	< 750	--	--
MW-12	9/26/2001	**619**	**1380**	**966**	**6890**	< 50.0	--	--	**3630000**	**23900**	**37800**	--	--
MW-12	12/3/2001	**4180**	323	315	**1580**	**386**	--	--	**27600**	**4450**	**7690**	--	--
MW-12	6/26/2003	**712**	878	258	**1780**	< 20.0	--	--	**17000**	**62300**	**87100**	**315**	4.93
MW-12	12/9/2003	**2520**	338	142	**1320**	**114**	--	--	**18000**	**2730**	**4960**	4.77	4.84
MW-12	4/7/2004	**641**	655	201	**1590**	< 10.0	--	--	**19200**	**204000**	**314000**	**536**	8.61

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
MW-12	11/16/2004	**757**	**1230**	283	**2090**	< 20.0	--	--	**25800**	**111000**	**27800**	9.64	2.92
MW-12	3/29/2005	**462**	655	250	**2470**	< 40.0	< 0.010	< 10.0	**18600**	**2150000**	**590000**	**313**	--
MW-12	6/22/2005	**1190**	434	350	**2320**	< 20.0	--	--	**102000**	**26900**	**8180**	**38**	3.61
MW-12	9/12/2005	**758**	631	250	**1480**	< 2.00	--	--	**12900**	**242000**	**561000**	**37.5**	4.64
MW-12	12/6/2005	**481**	**1480**	**1560**	**11600**	< 100	--	--	**18800**	**145000**	**290000**	**76.3**	12
MW-12	6/5/2006	**721**	61.8	190	**1170**	< 20.0	--	--	**11400**	**14300**	**27700**	3.23	1.52
MW-12	9/29/2006	**272**	4.79	195	**1020**	--	--	--	**16700**	--	--	--	--
MW-12	12/19/2006	**346**	36.6	81.0	620	--	--	--	**41400**	--	--	--	--
MW-12	12/31/2007	**378**	7.48	104	503	< 1.00	--	--	**10800**	**1440**	**3260**	--	--
MW-12	1/29/2008	**409**	8.39	96.4	584	< 1.00	--	--	**11100**	**619**	**1510**	--	--
MW-12	1/6/2009	4.2	0.89	22.5	186	< 1.00	--	--	**6250**	358	**744**	--	--
MW-12	4/8/2009	0.949	0.647	4.0	52.6	< 1.00	--	--	**4420**	**722**	**1170**	**36**	7.86
MW-12	7/8/2009	< 1.00	< 2.50	< 2.50	8.45	< 10.0	--	--	**1790**	< 250	< 500	8.45	5.61
MW-12	10/6/2009	1.9	< 1.00	1.0	9.3	< 1.00	--	--	**3600**	**2210**	**2040**	4.2	< 2.00
MW-12	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	**3700**	**5500**	**1100**	4.8	2.0
MW-12	5/25/2010	< 0.50	< 0.50	< 0.50	4.4	< 1.00	--	--	**2900**	**3800**	**2900**	2.6	< 2.00
MW-12	8/19/2010	0.89	0.59	0.51	3.4	< 1.00	--	--	**1800**	**2000**	380	3.5	< 2.00
MW-12	12/7/2010	1.9	0.66	0.51	3.6	< 1.0	--	--	**2300**	**1700**	**1300**	2.3	< 2.0
MW-12	1/26/2011	< 0.50	< 0.50	< 0.50	1.2	< 1.0	--	--	610	**1100**	**2900**	< 2.0	< 2.0
MW-12	6/16/2011	< 0.50	< 0.50	< 0.50	1.7	< 1.0	--	--	**860**	**2600**	**1900**	< 2.0	< 2.0
MW-12	9/22/2011	1.5	< 0.50	0.69	7.0	< 1.0	--	--	**1800**	**8770**	**15200**	**21**	< 2.0
MW-12	12/6/2011	2.5	< 1.0	1.3	< 3.0	< 1.0	--	--	**9590**	**14500**	**38600**	< 10.0	< 10.0
MW-12	3/8/2012	1.7	< 1.0	< 1.0	< 3.0	< 1.0	--	--	**1460**	298	< 400	< 10.0	< 10.0
MW-12	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	266	< 800	< 10.0	< 10.0
MW-12	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	**968**	**1030**	**2860**	< 10.0	< 10.0
MW-12	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	**542**	**1890**	< 3.0	< 3.0
MW-12	6/27/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	170	120	380	< 10	< 10
MW-12	9/26/2013	0.63	1.3	< 0.50	< 1.0	< 0.50	--	--	210	< 260	**830**	< 10.0	< 10.0
MW-12	11/15/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	86 Y	400 H	**1200 O**	< 10.0	< 10.0
MW-12	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	170	**940 BY**	**1400 BY**	0.57 J	< 2.0
MW-12	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	15 J	190 BY	320 BY	0.36 J	< 0.17
MW-12	7/11/2014	0.35 J	< 0.16	< 0.13	< 0.12	< 0.17	--	--	100 B	460 BY	300 Y	0.54 J	< 0.17
MW-12	10/22/2014	3.9	0.46 J	0.91 J	1.4 JB	< 1.0	--	--	770 B	**830 Y**	**790 Y**	4.0 B	< 2.0
MW-12	1/21/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	100	250 H1BY^	250 H1Y^	0.60 J	< 0.17
MW-12	12/16/2015	0.64 J*	< 0 *	< 0 *	< 0.50	< 0.17	--	--	170	**1300**	**1900**	--	--
MW-12	3/11/2016	0.086 J	< 0.025	< 0.030	< 0.060	< 0.025	--	--	53	240	320	0.32 J	< 0.17
MW-12	6/1/2016	< 0.42	< 0.18	< 0.21	< 0.49	< 0.11	--	--	85	390	310	**390 J**	< 0.17
MW-12	8/29/2016	1.5 J	0.46 J	< 3.0	< 3.0	< 1.0*	--	--	120	470 B	170 JB	0.33 J	0.24 J
MW-12	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	91	**1000**	**1400**	< 2.0	< 2.0
MW-12	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	52	240	300	< 2.0	< 2.0
MW-12	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	150	< 260	< 4.0	< 4.0
MW-12	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**530**	**510**	< 4.0	< 4.0
MW-12	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	170	< 390	< 4.0	< 4.0
MW-12	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	420	400	< 4.0	< 4.0
MW-12	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**630**	**570**	< 4.0	< 4.0
VP-1	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	**27**	--
VP-1	2/15/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 1000	< 2.0	--
VP-1	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
VP-1	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-1	10/26/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
VP-1	1/23/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-1	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
VP-1	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-1	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-1	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-1	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-1	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-1	11/10/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 80.0	< 250	< 750	--	--
VP-1	3/19/2001	< 0.500	< 0.500	< 0.500	< 1.00	6.23	--	--	< 50.0	< 250	< 750	--	--
VP-1	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**155**	--	--	< 50.0	< 250	< 500	--	--
VP-1	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	3.57	< 0.01	< 1.00	< 50.0	< 250	< 500	**17.9**	< 1.00
VP-1	6/26/2003	0.521	< 0.500	1.05	5.25	5.55	--	--	137	< 250	< 500	6.48	< 1.00
VP-1	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**34.1**	--	--	< 50.0	< 250	< 500	1.44	< 1.00
VP-1	4/7/2004	< 0.500	< 0.500	< 0.500	< 1.00	1.19	--	--	< 50.0	< 250	< 500	3.21	< 1.00
VP-1	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	**34.2**	< 1.00
VP-1	3/29/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	< 0.010	< 0.500	< 80.0	< 250	< 500	< 1	--
VP-1	6/22/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	1.21	< 1.00
VP-1	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 50.0	< 287	< 575	< 1.00	< 1.00
VP-1	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	6.63	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
VP-1	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	2.72	< 1.00
VP-1	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
VP-1	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	1.09	--
VP-1	4/2/2008	< 0.500	1.1	< 0.500	< 3.00	1.56	--	--	< 50.0	< 236	< 472	--	--
VP-1	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	12	< 1.00
VP-1	7/8/2009	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 245	< 490	7.86	< 1.00
VP-1	10/6/2009	< 1.00	4.1	6.7	41	< 1.00	--	--	650	< 238	< 476	< 2.00	< 2.00
VP-1	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
VP-1	5/25/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
VP-1	8/19/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	< 120	< 240	2.3	< 2.00
VP-1	12/7/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	< 2.0
VP-1	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	< 2.0
VP-1	6/16/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	140	250	2.2	< 2.0
VP-1	9/22/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 95.2	< 476	< 2.0	< 2.0
VP-1	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 75.5	< 377	< 10.0	< 10.0
VP-1	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 82.5	< 412	< 10.0	< 10.0
VP-1	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0
VP-1	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 80.8	< 404	10.9	< 10.0
VP-1	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 189	< 189	< 3.0	< 3.0
VP-2	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	8.2	--
VP-2	2/15/1995	--	--	--	--	--	--	--	--	< 250	--	--	--
VP-2	7/20/1995	--	--	--	--	--	--	--	--	< 250	--	--	--
VP-2	10/10/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-2	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-2	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-2	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-2	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	--	--
VP-2	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	< 2.00	< 0.01	< 1.00	< 50.0	< 250	< 500	5.21	< 1.00

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
VP-2	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	**22.9**	--	--	< 50.0	< 250	< 500	9.19	< 1.00
VP-2	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
VP-2	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	1.35	< 1.00
VP-2	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
VP-2	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
VP-2	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	8.74	--	--	< 50.0	< 243	< 485	--	--
VP-2	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	7.59	--	--	< 50.0	< 236	< 472	--	--
VP-2	4/2/2008	< 0.500	0.79	< 0.500	< 3.00	3.89	--	--	< 50.0	< 236	< 472	--	--
VP-2	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 240	< 481	**20.5**	< 1.00
BV-1	4/11/1995	1.4	< 0.5	< 0.5	3.8	--	--	--	57	--	--	--	--
BV-1	7/20/1995	2.7	< 0.5	1	9.5	--	--	--	96	320	--	--	--
BV-1	10/26/1995	**94**	30	26	160	--	--	--	**2500**	--	--	--	--
BV-1	1/23/1996	4.5	0.65	1.6	17	--	--	--	200	< 250	< 750	--	--
BV-1	10/10/1996	1.20	< 0.5	0.614	4.72	--	--	--	94.3	< 250	< 750	--	--
BV-1	3/11/1997	2.77	0.509	1.16	10.4	--	--	--	86.5	--	--	--	--
BV-1	5/29/1997	3.81	0.656	1.95	19.1	--	--	--	204	< 250	< 750	--	--
BV-1	8/5/1997	1.24	< 0.5	0.588	4.42	--	--	--	85.1	< 250	< 750	--	--
BV-1	10/23/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-1	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
BV-1	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-3	3/3/1995	--	--	--	--	--	--	--	--	**14000**	--	--	--
BV-3	4/10/1995	**5000**	**4500**	690	**3300**	--	--	--	**36000**	--	--	--	--
BV-3	7/20/1995	**6000**	**8100**	**1400**	**8500**	--	--	--	**62000**	**9800**	--	--	--
BV-3	10/26/1995	**6600**	**8800**	**1700**	**13000**	--	--	--	**82000**	**5100**	**2600**	--	--
BV-3	10/10/1996	**684**	574	84.7	**1940**	--	--	--	**13700**	**3730**	< 750	--	--
BV-3	3/11/1997	**2140**	**6610**	**989**	**7370**	--	--	--	**40700**	**5810**	< 750	--	--
BV-3	5/29/1997	0.638	< 0.5	< 0.5	< 1.0	--	--	--	< 50	414	< 750	--	--
BV-3	8/5/1997	**8.75**	3.14	3.01	53.1	--	--	--	556	**1440**	< 750	--	--
BV-3	10/23/1997	< 0.5	< 0.5	< 0.5	1.63	--	--	--	< 50	**661**	< 750	--	--
BV-3	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
BV-3	9/25/1998	**644**	**1180**	638	**4210**	--	--	--	**18300**	**524**	< 750	--	--
BV-3	12/29/1998	0.997	< 0.5	< 0.5	10.2	--	--	--	181	< 250	< 750	--	--
BV-3	3/9/1999	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
BV-3	6/2/1999	**206**	178	235	926	--	--	--	**5380**	< 250	< 750	--	--
BV-3	9/27/1999	< 0.500	< 0.500	< 0.500	4.93	--	--	--	94.2	< 250	--	--	--
BV-3	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 282	--	--	--
BV-3	6/30/2000	**77.6**	5.21	10.9	148	--	--	--	**1110**	**507**	< 750	--	--
BV-3	9/27/2000	**62.3**	4.47	119	333	--	--	--	**3170**	**863**	< 750	--	--
BV-4	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-4	12/29/1998	**7.59**	< 1.0	< 1.0	< 2.0	--	--	--	< 100	< 250	< 750	--	--
BV-4	9/27/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	--	--	--
BV-5	7/20/1995	**3700**	110	540	**2200**	--	--	--	**26000**	**18000**	**30000**	--	--
BV-5	10/26/1995	**4000**	520	440	**2100**	--	--	--	**42000**	**8200**	**12000**	--	--
BV-5	1/23/1996	**4400**	970	**760**	**4400**	--	--	--	**1300000**	**7100**	**8500**	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
BV-5	10/23/1997	1.57	< 0.5	3.31	3.34	--	--	--	771	**1150**	**4130**	--	--
BV-5	12/29/1998	**79.1**	< 1.25	41.8	8.45	--	--	--	**848**	< 250	< 750	--	--
BV-5	9/27/1999	**68.7**	< 1.00	25.1	< 2.00	--	--	--	**809**	**3500**	--	--	--
BV-5	12/20/1999	**53.7**	2.05	3.47	9.94	--	--	--	416	**506**	--	--	--
BV-5	3/16/2000	**145**	< 0.500	101	43.3	--	--	--	**3900**	**13000**	< 8250	--	--
BV-5	11/10/2000	**242**	993	242	876	--	--	--	**9340**	< 250	< 750	--	--
BV-5	3/19/2001	**84.4**	100	99.5	289	< 5.00	--	--	**4540**	**781**	< 750	--	--
BV-6	4/10/1995	**160**	4.4	0.61	8.9	--	--	--	120	--	--	--	--
BV-6	10/26/1995	**98**	2.4	< 0.5	3.3	--	--	--	< 50	--	--	--	--
BV-7	5/29/1997	**289**	281	4.7	907	--	--	--	**28300**	**28500**	**62700**	--	--
BV-7	8/5/1997	**686**	441	< 12.5	751	--	--	--	**12500**	**32700**	**75900**	--	--
BV-7	10/23/1997	**769**	**1350**	15.2	**1440**	--	--	--	**16200**	**42400**	**134000**	--	--
BV-7	9/25/1998	**6460**	**7020**	**750**	**11300**	--	--	--	**209000**	**53300**	**148000**	--	--
BV-7	12/29/1998	**7.33**	14.9	< 4.0	< 160	--	--	--	**14700**	**35700**	**78800**	--	--
BV-7	3/9/1999	**16.8**	30.8	4.32	54.5	--	--	--	**1490**	**53700**	**133000**	--	--
BV-7	6/2/1999	**4790**	**3510**	91.8	**1410**	--	--	--	**18100**	**57900**	**122000**	--	--
BV-7	12/20/1999	**29.3**	2.01	1.34	78.8	--	--	--	580	< 250	--	--	--
BV-7	6/30/2000	**1290**	249	< 25.0	826	--	--	--	**6130**	**122000**	**271000**	--	--
BV-7	11/10/2000	**1910**	385	91.1	**1220**	--	--	--	**24400**	**335000**	**377000**	--	--
BV-7	3/19/2001	**1880**	524	103	**2110**	**57.2**	--	--	**13100**	**3060**	< 938	--	--
BV-7	6/27/2001	**1250**	515	89.1	**2070**	**52.9**	--	--	**11900**	**2940**	< 750	--	--
BV-7	9/26/2001	**645**	113	49.5	739	< 50.0	--	--	**9090**	**23100**	**49000**	--	--
SVE-1	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	**61**	--
SVE-1	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	380	< 750	--	--
SVE-1	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
SVE-1	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
SVE-1	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	309	< 847	--	--
SVE-1	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	6.02	--	--	< 50.0	< 250	< 750	--	--
SVE-1	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	14.7	--	--	< 50.0	< 250	< 750	--	--
SVE-1	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**25.5**	--	--	< 50.0	< 250	< 500	--	--
SVE-1	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	2.63	< 0.01	< 1.00	< 50.0	< 250	< 500	< 1.00	< 1.00
SVE-1	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	< 1.00	< 50.0	< 287	< 575	3.55	< 1.00
SVE-1	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**21.2**	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
SVE-1	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	17.7	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
SVE-1	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	6.1	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
SVE-1	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	< 538	< 1.00	< 1.00
SVE-1	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
SVE-1	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
SVE-1	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	1.61	--
SVE-1	4/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
SVE-1	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	< 1.00	--
SVE-1	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	2.68	--
SVE-1	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	< 1.00	--
SVE-1	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	12	< 1.00
SVE-2	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	**47**	--
SVE-2	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**610**	< 1000	--	--
SVE-2	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	360	< 750	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
SVE-2	10/25/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	420	< 750	--	--
SVE-2	1/23/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	310	< 750	--	--
SVE-2	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
SVE-2	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	356	< 750	--	--
SVE-2	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
SVE-2	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
SVE-3	11/10/2000	**733**	**2850**	456	**1960**	--	--	--	**20300**	**1950**	**6950**	--	--
SVE-3	6/27/2001	**184**	**1120**	180	995	< 10.0	--	--	**10600**	**1560**	**1980**	--	--
SVE-3	9/26/2001	**82.6**	492	99.4	961	< 20.0	--	--	**6540**	< 250	< 750	--	--
SVE-3	12/3/2001	**72.3**	549	67.6	600	< 50.0	--	--	**3360**	**2410**	**10800**	--	--
SVE-3	6/6/2002	**50.7**	31.0	86.8	168	< 2.00	--	< 1.00	**1910**	--	--	--	--
SVE-3	6/26/2003	**90.6**	169	238	981	< 2.50	--	--	**7030**	--	--	--	--
SVE-3	12/9/2003	**34.4**	44.8	82.9	220	< 2.50	--	--	**3190**	**14000**	**59900**	**24.2**	< 1.00
SVE-3	4/7/2004	**11.60**	12.5	37.3	70.9	< 1.00	--	--	**3610**	**2180**	**8300**	4.30	< 1.00
SVE-3	11/16/2004	4.35	0.650	9.44	17.5	< 2.00	--	--	614	**6080**	**23200**	3.36	< 1.00
SVE-3	3/29/2005	0.780	< 0.500	0.700	1.28	< 2.00	< 0.010	< 0.500	141	367	**1610**	**26**	--
SVE-3	6/22/2005	1.59	< 0.500	9.01	15.8	< 2.00	--	--	730	**4210**	**16900**	**37**	< 1.00
SVE-3	9/12/2005	**31.6**	724	344	**1480**	< 2.00	--	--	**7190**	**13200**	**61000**	**40.9**	< 1.00
SVE-3	12/6/2005	1.41	0.83	11.5	23.2	< 1.00	--	--	**845**	**617**	**788**	< 1.00	< 1.00
SVE-3	6/5/2006	< 0.500	< 0.500	5.66	20.6	< 1.00	--	--	**9870**	**12300**	**45300**	1.36	< 1.00
SVE-3	12/19/2006	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
SVE-3	9/24/2007	2.42	0.81	91.1	134	< 1.00	--	--	**4830**	**1600**	**9260**	--	--
SVE-3	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	175	< 238	< 476	--	--
SVE-3	5/25/2010	1.4	130	24	110	< 1.00	--	--	**1700**	**1800**	**4300**	3.8	< 2.00
SVE-3	12/7/2010	< 0.50	< 0.50	11	13	< 1.0	--	--	590	**2700**	**20000**	4.0	< 2.0
SVE-3	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	**1100**	**8500**	4.3	< 2.0
SVE-3	6/16/2011	< 0.50	< 0.50	9.3	6.9	< 1.0	--	--	320	**2100**	**5400**	7.7	< 2.0
SVE-3	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0
AS-1	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**6100**	**7900**	--	--
AS-2	2/15/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**12000**	**45000**	**430**	--
AS-2	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**8400**	**6800**	--	--
AS-3	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	**22**	--
AS-3	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**1500**	**2600**	--	--
B1 (JPHC)	1/23/1996	**1500**	**1200**	**1200**	**7900**	--	--	--	**3900000**	**7200**	**15000**	--	--
B1 (JPHC)	3/11/1997	< 2.50	< 2.50	< 2.50	< 5.0	--	--	--	**2600**	**16500**	**34300**	--	--
B1 (JPHC)	5/29/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	**934**	**14000**	**32400**	--	--
B1 (JPHC)	8/5/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	238	**7500**	**16100**	--	--
B1 (JPHC)	10/23/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	240	**75500**	**280000**	--	--
B1 (JPHC)	3/11/1998	3.15	13.6	2.1	31.4	--	--	--	**894**	< 250	< 750	--	--
B1 (JPHC)	6/30/1998	**203**	< 10.0	< 10.0	< 60.0	--	--	--	**23100**	**3540**	--	--	--
B1 (JPHC)	12/29/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**1170**	**2730**	--	--
B1 (JPHC)	3/9/1999	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**746**	**1830**	--	--
B1 (JPHC)	6/2/1999	**57.3**	5.34	0.729	5.70	--	--	--	196	**1050**	**1530**	--	--
B1 (JPHC)	3/16/2000	**538**	119	42.6	142	--	--	--	**2170**	**4580**	**1880**	--	--
B1 (JPHC)	6/30/2000	**1430**	629	155	658	--	--	--	**6510**	**4820**	**973**	--	--
B1 (JPHC)	9/27/2000	**1180**	203	62.0	309	--	--	--	**6780**	**6490**	**8870**	--	--

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
B1 (JPHC)	11/10/2000	**2260**	456	159	621	--	--	--	**8610**	**2230**	**5090**	--	--
B1 (JPHC)	3/19/2001	**1400**	569	138	672	**212**	--	--	**9680**	**1360**	**1450**	--	--
B1 (JPHC)	6/27/2001	**1360**	**2230**	419	**2060**	< 125	--	--	**47300**	**73900**	**132000**	--	--
B1 (JPHC)	9/26/2001	**1930**	**1370**	**1180**	**8990**	**40.4**	--	--	**4790000**	**197000**	**304000**	--	--
B1 (JPHC)	12/3/2001	**204**	727	290	**1790**	**48.7**	--	--	**40500**	**14300**	**28200**	--	--
B1 (JPHC)	6/26/2003	**2850**	286	584	**2570**	19.1	--	--	**31600**	**185000**	**263000**	**447**	14.3
B1 (JPHC)	12/9/2003	**454**	10.7	34.8	354	< 5.00	--	--	**4650**	**10700**	**20500**	4.60	1.62
B1 (JPHC)	4/7/2004	**2650**	428	383	**1730**	< 100	--	--	**24500**	**11200**	**20200**	5.13	13.3
B1 (JPHC)	11/16/2004	**3470**	15	260	**1190**	< 40.0	--	--	**45000**	**6730**	**3770**	9.55	1.39
B1 (JPHC)	3/29/2005	**3800**	267	600	**2330**	< 40.0	< 0.010	< 10.0	**19500**	**50400**	**18600**	**26.6**	--
B1 (JPHC)	6/22/2005	**594**	80.8	326	**1450**	< 10.0	--	--	**9760**	**13300**	**7820**	**24.5**	1.73
B1 (JPHC)	9/12/2005	**3890**	64.4	**986**	**4280**	**25.4**	--	--	**115000**	**4270**	**7990**	**69.4**	11.5
B1 (JPHC)	12/6/2005	**5400**	99.0	625	**2220**	< 100	--	--	**25400**	**6360**	**12700**	4.1	1.51
B1 (JPHC)	6/5/2006	**4440**	75.0	316	885	< 100	--	--	**16800**	**4750**	--	**21.5**	1.56
B1 (JPHC)	12/19/2006	**17.8**	< 0.500	< 0.500	34.2	--	--	--	**4140**	--	--	--	--
B1 (JPHC)	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	4.44	--	--	486	252	**671**	4.39	--
B1 (JPHC)	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	2.82	--	--	**5870**	**4260**	**10400**	**18.4**	--
B1 (JPHC)	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	163	**2270**	**7700**	8.21	--
B1 (JPHC)	4/8/2009	< 0.500	< 0.500	< 0.500	1.13	1.12	--	--	185	< 245	< 490	5.36	5.19
B1 (JPHC)	7/8/2009	**24.6**	< 0.500	< 0.500	< 1.00	< 2.00	--	--	152	< 240	< 481	6.81	5.74
B1 (JPHC)	10/6/2009	**54**	1.2	3.6	< 2.00	< 1.00	--	--	**950**	315	**534**	**31**	5.6
B1 (JPHC)	1/6/2010	**110**	2.2	9.5	10	< 1.00	--	--	**1000**	**810**	< 240	7.7	6.9
B1 (JPHC)	5/25/2010	**250**	11	26	64	< 1.00	--	--	**1400**	**13000**	**720**	13	6.5
B1 (JPHC)	8/19/2010	**280**	26	32	120	< 1.00	--	--	**2000**	**11000**	**780**	11	5.0
B1 (JPHC)	12/7/2010	**150**	42	39	160	< 1.0	--	--	**2900**	**4700**	**650**	6.6	4.8
B1 (JPHC)	1/26/2011	**41**	16	21	100	< 1.0	--	--	**1200**	**3000**	370	4.9	4.1
B1 (JPHC)	6/16/2011	**140**	8.2	52	340	< 1.0	--	--	**4600**	**7700**	**1600**	8.0	4.2
B1 (JPHC)	9/22/2011	3.3	< 0.50	2.7	9.2	1.5	--	--	520	304	< 476	3.3	< 2.0
B1 (JPHC)	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	1.6	--	--	337	129	< 381	< 10.0	< 10.0
B1 (JPHC)	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	83.0	86.6	< 400	< 10.0	< 10.0
B1 (JPHC)	6/19/2012	**16.9**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	**697**	< 800	< 10.0	< 10.0
B1 (JPHC)	9/21/2012	**37.5**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	448	232	**546**	< 10.0	< 10.0
B1 (JPHC)	12/11/2012	**9.4**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	359	**989**	464	< 3.0	< 3.0
B1 (JPHC)	6/26/2013	**150**	2.2	23	41	< 0.50	--	--	**1000**	140	250	11	11
B1 (JPHC)	9/26/2013	**150**	3.6	29	75	< 0.50	--	--	**990**	< 260	< 260	< 10.0	< 10.0
B1 (JPHC)	11/15/2013	**200 D**	4.4	31	89	< 0.50	--	--	**1000 Y**	< 260	< 260	< 10.0	< 10.0
B1 (JPHC)	2/13/2014	**150**	3.9	29	86	< 1.0	--	--	**2100**	**4800 BY**	**670 BY**	2.0	1.3 J
B1 (JPHC)	4/2/2014	**110**	3.4 J	23	70	< 0.74	--	--	**1800**	**4500 BY**	410 BY	1.4 J	0.93 J
B1 (JPHC)	7/11/2014	**140**	3.9	32	100	< 0.17	--	--	**1600 B**	**5400 BY**	**600 Y**	1.4 J	1.0 J
B1 (JPHC)	10/22/2014	**160**	4.9	39	180 B	0.20 J	--	--	**2500 B**	**2300 Y**	30 J	1.4 JB	0.60 J
B1 (JPHC)	1/21/2015	**130**	2.4	21	88	< 0.17	--	--	**1700**	**4600 H1BY^**	300 H1Y^	0.51 J	0.39 J
B1 (JPHC)	12/16/2015	**89**	2	15	36	< 0.17	--	--	**1600**	**2600**	330	--	--
B1 (JPHC)	3/11/2016	**80**	0.99 J	7.9	22	0.27 J	--	--	**950**	**4300**	**1000**	0.27 J	< 0.17
B1 (JPHC)	6/1/2016	**93**	2.1	10	34	< 0.11	--	--	**1400**	**4400**	**1000**	1.6 J	0.32 J
B1 (JPHC)	8/29/2016	**140**	3.3	15	79	< 1.0*	--	--	**1900**	**3300 B**	410 B	0.39 J	0.39 J
B1 (JPHC)	11/21/2016	**120**	3.0	15	78	< 1.0	--	--	**2100**	**4400**	**1300**	< 2.0	< 2.0
B1 (JPHC)	2/15/2017	**86**	< 2.0	10	40	< 1.0	--	--	**1600**	**3800**	**880**	< 2.0	< 2.0
B1 (JPHC)	5/26/2017	**67**	< 2.0	6.3	24 F1	< 2.0	--	--	**1100 F1**	**4200**	**1200**	< 4.0	< 4.0
B1 (JPHC)	10/17/2017	**97**	2.0	7.7	48	< 2.0	--	--	**1700**	**4600**	**1300**	< 4.0	< 4.0
B1 (JPHC)	2/8/2018	**88**	< 2.0	6.6	39	< 2.0	--	--	**1400**	**3700**	**1500**	< 4.0	< 4.0
B1 (JPHC)	9/11/2018	**130**	< 2.0	6.0	38	< 1.0	--	--	**1600**	**5100**	**2000**	< 4.0	< 4.0

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

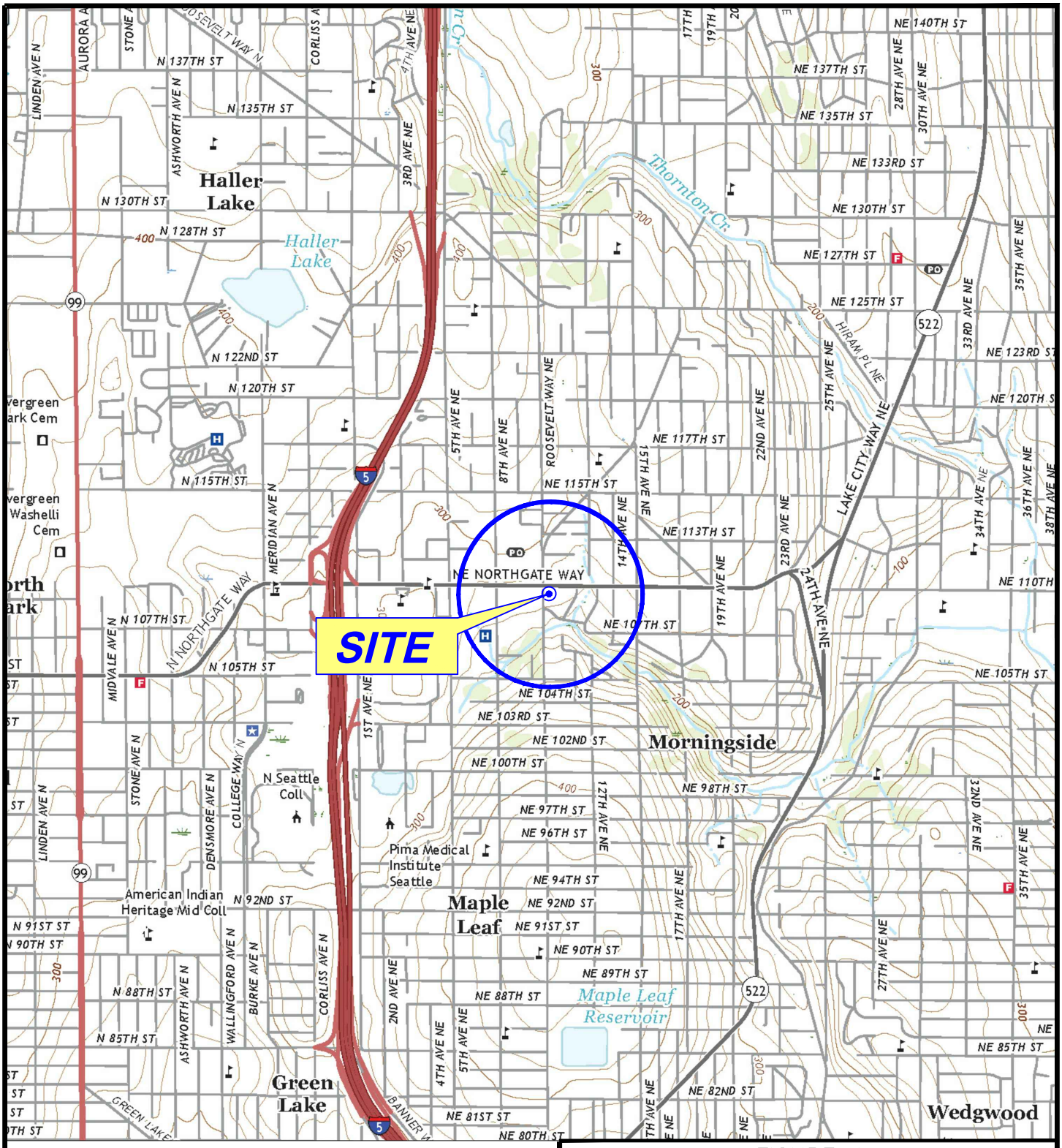
	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
B1 (JPHC)	11/15/2018	**130**	2.4	6.3	51	< 1.0	--	--	**2500**	**5300**	**3000**	< 4.0	< 4.0
B3 (JPHC)	2/15/1995	1.0	< 0.5	< 0.5	< 1.0	--	--	--	< 50	340	**1200**	10	--
B3 (JPHC)	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
B3 (JPHC)	7/20/1995	< 0.5	0.90	< 0.5	2.6	--	--	--	91	370	< 750	--	--
B3 (JPHC)	10/25/1995	0.57	2.6	0.84	9.0	--	--	--	750	**810**	**1600**	--	--
B3 (JPHC)	1/23/1996	0.64	11	3.6	35.0	--	--	--	**5400**	**810**	**1900**	--	--
B3 (JPHC)	4/17/1996	< 0.5	1.0	< 0.5	< 1.0	--	--	--	80	330	< 750	--	--
B3 (JPHC)	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	415	< 750	--	--
B3 (JPHC)	10/10/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
B3 (JPHC)	3/11/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	407	< 750	--	--
B3 (JPHC)	5/29/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	402	**1180**	--	--
B3 (JPHC)	8/5/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	269	< 750	--	--
B3 (JPHC)	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
B3 (JPHC)	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	76.6	< 250	--	--	--
B3 (JPHC)	9/25/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
B3 (JPHC)	12/29/1998	< 2.5	< 2.5	< 2.5	< 5.0	--	--	--	< 250	< 250	< 750	--	--
B3 (JPHC)	3/9/1999	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
B3 (JPHC)	6/2/1999	< 0.500	5.43	< 0.500	4.39	--	--	--	51.9	< 250	< 750	--	--
B3 (JPHC)	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	98.2	< 250	--	--	--
B3 (JPHC)	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
B3 (JPHC)	11/10/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 80.0	< 250	< 750	--	--
B3 (JPHC)	3/19/2001	< 0.500	< 0.500	< 0.500	< 1.00	**204**	--	--	< 50.0	**1180**	**2750**	--	--
B3 (JPHC)	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	9.44	--	--	< 50.0	< 250	< 750	--	--
B3 (JPHC)	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	8.06	--	--	< 50.0	< 250	< 750	--	--
B3 (JPHC)	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**49.3**	--	--	< 50.0	< 250	< 500	--	--
B3 (JPHC)	6/6/2002	< 0.500	1.05	< 0.500	< 1.00	5.03	< 0.01	< 1.00	< 50.0	< 250	< 500	**23.5**	< 1.00
B3 (JPHC)	6/26/2003	< 0.500	< 0.500	1.30	7.36	< 1.00	--	--	296	289	< 500	11.3	< 1.00
B3 (JPHC)	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	1.61	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
B3 (JPHC)	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	3.76	--	--	< 80.0	< 250	< 500	2.28	< 1.00
B3 (JPHC)	3/29/2005	< 0.200	< 0.500	< 0.500	< 1.00	2.58	< 0.010	< 0.500	< 80.0	< 250	< 500	2.09	--
B3 (JPHC)	6/22/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	291	< 500	**18.9**	< 1.00
B3 (JPHC)	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	3.82	--	--	< 50.0	< 250	< 500	4.12	< 1.00
B3 (JPHC)	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	4.49	--	--	74.3	253	< 485	3.25	< 1.00
B3 (JPHC)	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	1.17	--	--	< 50.0	< 278	< 556	1.95	< 1.00
B3 (JPHC)	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 245	< 490	--	--
B3 (JPHC)	1/29/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	1.59	--
B3 (JPHC)	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	15.6	--	--	< 50.0	< 236	< 472	< 1.00	--
B3 (JPHC)	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	**23.5**	--	--	< 50.0	< 236	< 472	**16.9**	--
B3 (JPHC)	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	**24.1**	--	--	< 50.0	< 236	< 472	7.6	--
B3 (JPHC)	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	5.94	--	--	< 50.0	< 240	< 481	1.62	< 1.00
B3 (JPHC)	7/8/2009	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	**842**	< 472	< 1.00	< 1.00
B3 (JPHC)	10/6/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	130	< 236	< 472	7.6	< 2.00
B3 (JPHC)	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
B3 (JPHC)	5/25/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
B3 (JPHC)	8/19/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	340	420	6.1	< 2.00
B3 (JPHC)	12/7/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	6.1	< 2.0
B3 (JPHC)	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	< 2.0
B3 (JPHC)	6/16/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	260	450	2.3	< 2.0
B3 (JPHC)	9/22/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 95.2	< 476	< 2.0	< 2.0
B3 (JPHC)	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	2.2	--	--	< 50.0	< 80.0	< 400	< 10.0	< 10.0

Table 2
Groundwater Analytical Data
ARCO Facility 980
10822 Rosevelt Way NE
Seattle, WA 98125

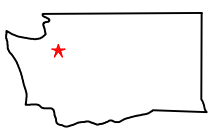
CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	**NE**
B3 (JPHC)	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 78.4	< 392	< 10.0	< 10.0
B3 (JPHC)	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0
B3 (JPHC)	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 80.8	< 404	< 10.0	< 10.0
B3 (JPHC)	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 182	444	< 3.0	< 3.0
B3 (JPHC)	6/26/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 250	22	< 10	< 10
B3 (JPHC)	9/26/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
B3 (JPHC)	11/15/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
B3 (JPHC)	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	16 J	44 JB	46 JB	< 2.0	< 2.0
B3 (JPHC)	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	14 J	76 JB	80 JB	< 0.17	< 0.17
B3 (JPHC)	7/11/2014	< 0.14	< 0.16	< 0.13	0.13 J	< 0.17	--	--	15 JB	140 BY	130 J	0.22 J	0.77 J
B3 (JPHC)	10/22/2014	< 1.0	< 1.0	< 1.0	0.18 JB	0.72 J	--	--	< 50	210 Y	67 J	< 2.0	< 2.0
B3 (JPHC)	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	31 J	210 H1BY^	170 J^H1	< 0.17	< 0.17
B3 (JPHC)	12/14/2015	< 0.42	< 0 *	< 0.51	< 0.50	0.19 J	--	--	< 27	57 JB	< 30	--	--
B3 (JPHC)	3/11/2016	< 0.025	< 0.025	< 0.030	< 0.060	0.058 J	--	--	44 J	130	200 J	< 0.17	< 0.17
B3 (JPHC)	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0*	--	--	< 50	51 JB	34 JB	< 2.0	< 2.0
B3 (JPHC)	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	110	< 250	< 2.0	< 2.0
B3 (JPHC)	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	140	< 250	< 2.0	< 2.0
B3 (JPHC)	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	150	< 260	< 4.0	< 4.0
B3 (JPHC)	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	230	< 250	< 4.0	< 4.0
B3 (JPHC)	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	160	< 430	< 4.0	< 4.0
B3 (JPHC)	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**5000**	**1900**	< 4.0	< 4.0
IW-1	11/17/2017	--	--	--	--	--	--	--	--	--	--	3.1	--
IW-1	12/7/2017	**11**	2.5	25	310	--	--	--	**9800**	--	--	--	--

Notes:
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes, Total
MTBE = Methyl-tertiary-butyl ether
EDB = 1,2-Dibromo-ethane
EDC = 1,2-Dichloro-ethane
TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx
TPH-D = Total petroleum hydrocarbons as diesel by Northwest Method NWTPH-Dx
TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Dx
1,000/800[1] ug/L if no detectable levels of Benzene in the sample - otherwise 800 ug/L
NE = Not evaluated
<1.0 = Concentrations were not detected above the laboratory method reporting limit.
ug/L = Micrograms per liter (ppb)
ND = Not detected
-- = No value given/Not analyzed/Not applicable
MTCA = Model Toxics Control Act
Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels
* = LCS or LCSD is outside acceptance limits
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B = Compound was found in the blank and sample.
H = Sample was prepped or analyzed beyond the specific holding time
F1 = MS and/or MSD Recovery is outside acceptance limits.

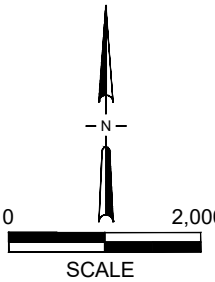
Figures



GENERAL NOTES:
BASE MAP FROM TOPO!
SEATTLE NORTH E., WA. QUADRANGLE
7.5 MINUTE TOPOGRAPHIC MAP



QUADRANGLE LOCATION



SCALE

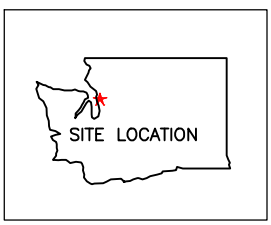
FIGURE 1
SITE LOCATION MAP

ARCO FACILITY NO. 980
10822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

PROJECT NO. 00980SA181		DRAWN BY J. HIGHFILL	
FILE NO. 0980-SLM18		PREPARED BY M. BERNARD	
DATE 12 Dec 18	REV. 0	REVIEWED BY	

antea group

GENERAL NOTES:
BASE MAP FROM GOOGLE EARTH 2018



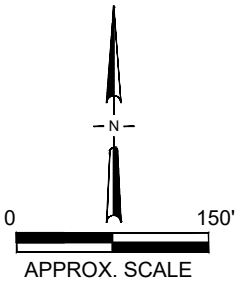
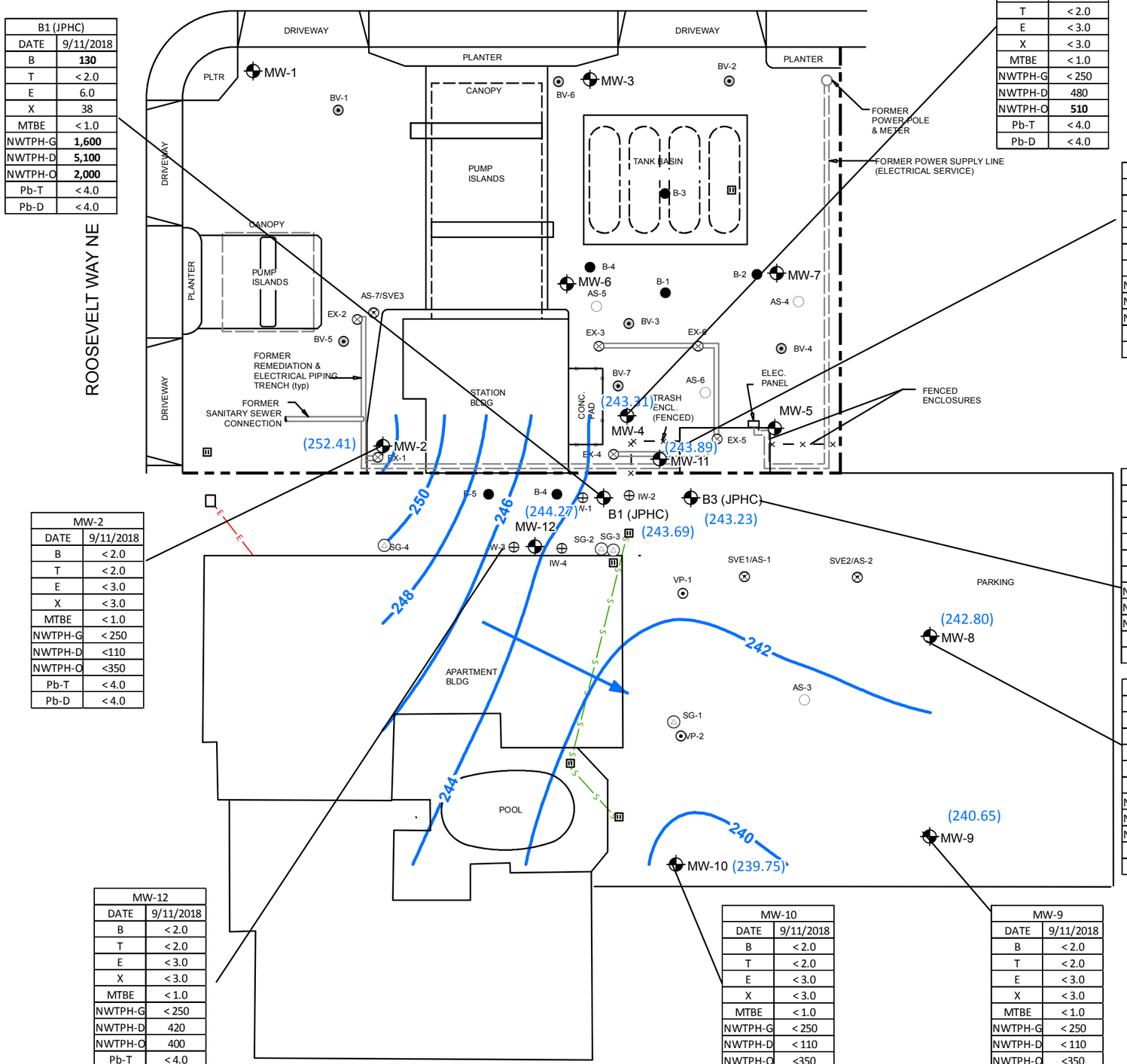


FIGURE 2
SITE AERIAL MAP

ARCO FACILITY NO. 0980
10822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

PROJECT NO. 00980SA181	DRAWN BY J. HIGHFILL	
FILE NO. 980G-SAM18	PREPARED BY M. BERNARD	
DATE 12 DEC 18 / REV. 1	REVIEWED BY	

antea group



B1 (JPHC)	
DATE	9/11/2018
B	**130**
T	< 2.0
E	6.0
X	38
MTBE	< 1.0
NWTPH-G	**1,600**
NWTPH-D	**5,100**
NWTPH-O	**2,000**
Pb-T	< 4.0
Pb-D	< 4.0

MW-4	
DATE	9/11/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	480
NWTPH-O	**510**
Pb-T	< 4.0
Pb-D	< 4.0

MW-11	
DATE	9/11/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	**580**
NWTPH-O	**620**
Pb-T	< 4.0
Pb-D	< 4.0

B3 (JPHC)	
DATE	9/11/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	**5,000**
NWTPH-O	**1,900**
Pb-T	< 4.0
Pb-D	< 4.0

MW-8	
DATE	9/11/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	130
NWTPH-O	<350
Pb-T	< 4.0
Pb-D	< 4.0

MW-2	
DATE	9/11/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	<110
NWTPH-O	<350
Pb-T	< 4.0
Pb-D	< 4.0

MW-12	
DATE	9/11/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	420
NWTPH-O	400
Pb-T	< 4.0
Pb-D	< 4.0

MW-10	
DATE	9/11/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	< 110
NWTPH-O	<350
Pb-T	< 4.0
Pb-D	< 4.0

MW-9	
DATE	9/11/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	< 110
NWTPH-O	<350
Pb-T	< 4.0
Pb-D	< 4.0

LEGEND

- GROUNDWATER MONITORING WELL
- AIR SPARGING WELL LOCATION
- EXTRACTION WELL LOCATION
- SOIL VAPOR EXTRACTION WELL
- INJECTION WELL LOCATION INSTALLED BY INNOVEX
- SOIL VAPOR EXTRACTION / VACUUM PRESSURE MONITORING POINT
- BIOVENTING WELL LOCATION
- SOIL GAS PROBE LOCATION
- SOIL BORING LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- FENCE LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND SEWER LINE
- CATCH BASIN
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR LINE ESE, 0.08 ft/linear ft
- (252.41) GROUNDWATER ELEVATION IN FEET REFERENCE TO THE NATIONAL GEODETIC VERTICAL DATUM, 1929

MW-11	11/15/2018	
DATE		SAMPLE DATE
B	< 2.0	BENZENE (µg/L)
T	< 2.0	TOLUENE (µg/L)
E	< 3.0	ETHYLBENZENE (µg/L)
X	< 3.0	XYLENE (TOTAL) (µg/L)
MTBE	< 1.0	METHYL TERTIARY BUTYL ETHER (µg/L)
NWTPH-G	< 250	GASOLINE RANGE ORGANICS (µg/L)
NWTPH-D	**720**	DIESEL RANGE ORGANICS (µg/L)
NWTPH-O	**1,100**	OIL RANGE ORGANICS (µg/L)
Pb-T	< 4.0	TOTAL LEAD (µg/L)
Pb-D	< 4.0	DISSOLVED LEAD (µg/L)

Notes:

<1.0 = Concentrations were not detected above the aboratory method reporting limit.

µg/L = Micrograms per liter (ppb)

BOLD= Concentrations in excess of Washington State Department of Ecology's Model Toxics Control Act (MTCA) Method A cleanup levles.

0 15 30 Feet

N

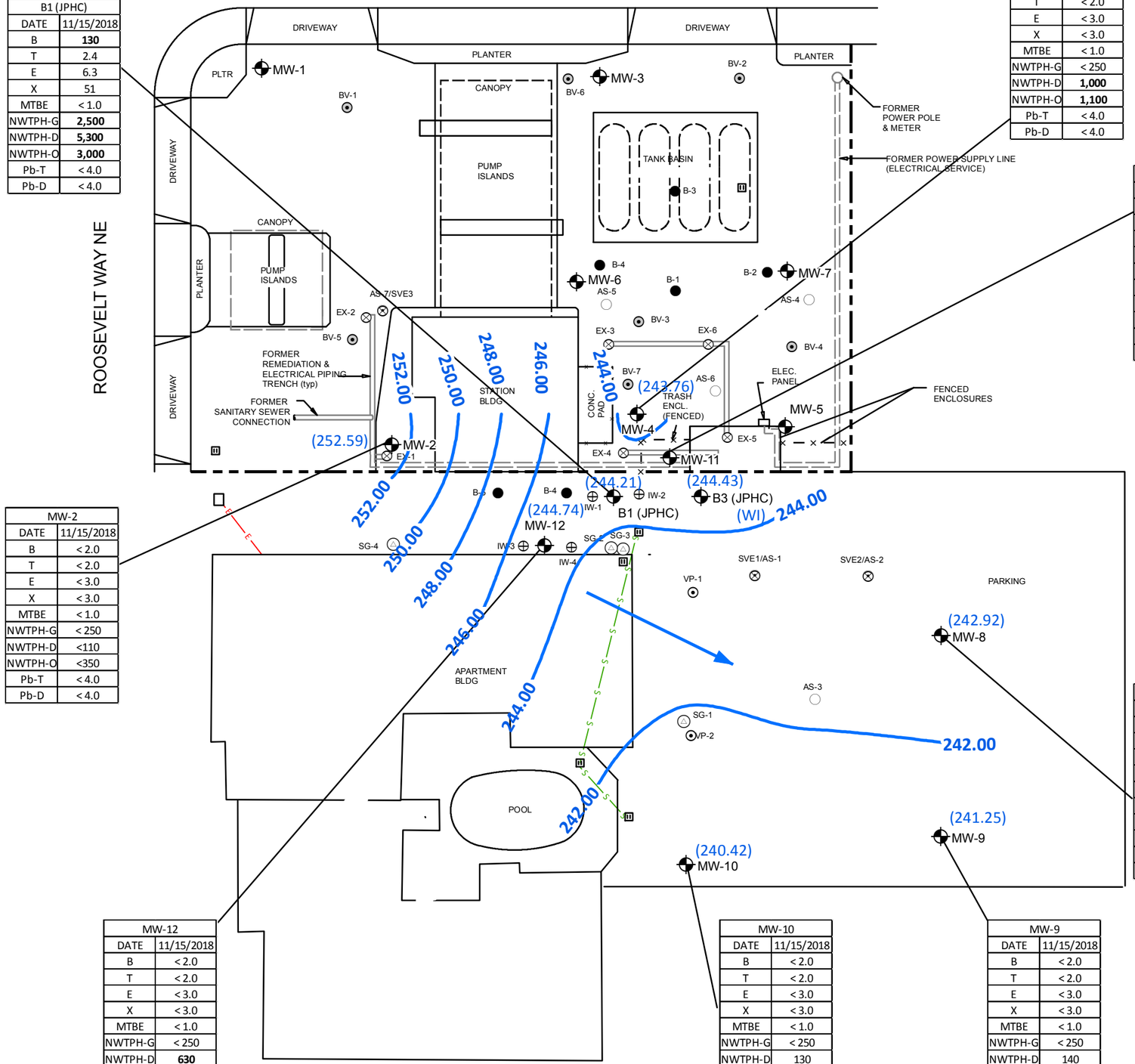
FIGURE 3

GROUNDWATER ANALYTICAL AND ELEAVATION CONTOUR MAP - 9/11/2018
ARCO FACILITY NO. 980
1822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

PROJECT NO.	PREPARED BY	REF SCALE
00980SA181	*DR/JH*	*1:360*
DATE	**REVIEWED BY**	**MAP SCALE**
1/23/19	*MB*	*1 inch = 30 feet*

antea group

Document Path: \\gis-s3\GIS_Data\Sandbox\!Projects\A-E\BP_WA\980 Seattle\Layout\BP-WA-980_GW_2018-09-11.mxd



B1 (JPHC)	
DATE	11/15/2018
B	**130**
T	2.4
E	6.3
X	51
MTBE	< 1.0
NWTPH-G	**2,500**
NWTPH-D	**5,300**
NWTPH-O	**3,000**
Pb-T	< 4.0
Pb-D	< 4.0

MW-4	
DATE	11/15/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	**1,000**
NWTPH-O	**1,100**
Pb-T	< 4.0
Pb-D	< 4.0

MW-11	
DATE	11/15/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	**720**
NWTPH-O	**1,100**
Pb-T	< 4.0
Pb-D	< 4.0

MW-2	
DATE	11/15/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	<110
NWTPH-O	<350
Pb-T	< 4.0
Pb-D	< 4.0

MW-8	
DATE	11/15/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	130
NWTPH-O	<350
Pb-T	< 4.0
Pb-D	< 4.0

MW-12	
DATE	11/15/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	**630**
NWTPH-O	**570**
Pb-T	< 4.0
Pb-D	< 4.0

MW-10	
DATE	11/15/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	130
NWTPH-O	<350
Pb-T	< 4.0
Pb-D	< 4.0

MW-9	
DATE	11/15/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 1.0
NWTPH-G	< 250
NWTPH-D	140
NWTPH-O	<350
Pb-T	< 4.0
Pb-D	< 4.0

LEGEND

- GROUNDWATER MONITORING WELL
- AIR SPARGING WELL LOCATION
- EXTRACTION WELL LOCATION
- SOIL VAPOR EXTRACTION WELL
- INJECTION WELL LOCATION INSTALLED BY INNOVEX
- SOIL VAPOR EXTRACTION / VACUUM PRESSURE MONITORING POINT
- BIOVENTING WELL LOCATION
- SOIL GAS PROBE LOCATION
- SOIL BORING LOCATION
- APPROXIMATE PROPERTY BOUNDARY
- FENCE LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND SEWER LINE
- CATCH BASIN
- GROUNDWATER FLOW DIRECTION, ESE (0.09 ft/linear ft)
- GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVAL = 2.00 FT.

(252.41) GROUNDWATER ELEVATION IN FEET REFERENCE TO THE NATIONAL GEODETIC VERTICAL DATUM, 1929

MW-11	11/15/2018	
DATE		SAMPLE DATE
B	< 2.0	BENZENE (µg/L)
T	< 2.0	TOLUENE (µg/L)
E	< 3.0	ETHYLBENZENE (µg/L)
X	< 3.0	XYLENE (TOTAL) (µg/L)
MTBE	< 1.0	METHYL TERTIARY BUTYL ETHER (µg/L)
NWTPH-G	< 250	GASOLINE RANGE ORGANICS (µg/L)
NWTPH-D	**720**	DIESEL RANGE ORGANICS (µg/L)
NWTPH-O	**1,100**	OIL RANGE ORGANICS (µg/L)
Pb-T	< 4.0	TOTAL LEAD (µg/L)
Pb-D	< 4.0	DISSOLVED LEAD (µg/L)

Notes:

WI = Well Inacessible
<1.0 = Concentrations were not detected above the aboratory method reporting limit.
µg/L = Micrograms per liter (ppb)
BOLD= Concentrations in excess of Washington State Department of Ecology's Model Toxics Control Act (MTCA) Method A cleanup levles.

0 15 30 Feet

N

FIGURE 4
GROUNDWATER ANALYTICAL AND ELEAVATION CONTOUR MAP - 11/15/2018
ARCO FACILITY NO. 980
1822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

PROJECT NO.	PREPARED BY	REF SCALE
00980SA181	*DR/JH*	*1:360*
DATE	**REVIEWED BY**	**MAP SCALE**
1/15/19	*MB*	*1 inch = 30 feet*

antea group

Document Path: \\gis-s3\GIS_Data\Sandbox\!Projects\A-E\BP_WA\980 Seattle\Layout\BP-WA-980_GW_2018-11-15.mxd

Appendix A

Analytical Lab Reports and Chain-of-Custody Documentation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-80301-1
Client Project/Site: BP-ARCO 00980
Sampling Event: Antea ARCO 980
Revision: 1

For:
Antea USA, Inc.
4006 148th Ave NE
Redmond, Washington 98052

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
2/1/2019 2:46:58 PM

Elaine Walker, Project Manager II
(253)248-4972
elaine.walker@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPLAMP Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPLAMP. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.

Elaine Walker
Project Manager II
2/1/2019 2:46:58 PM

Table of Contents

Job ID: 580-80301-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative
580-80301-1

Revision 1: February 1, 2019
During a recent internal data review, TestAmerica Seattle discovered that a dual detector instrument configured with a Photoionization Detector (PID) and a Flame Ionization Detector (FID) was using the incorrect detector for quantitation of TPH by Method NWTPH-Gx. The data for samples B1 (JPHC)-14.02 (580-80301-8) and Dup-1 (580-80301-10) have changed. Results for the remaining samples stayed the same. Surrogate recoveries are slightly different for some of the samples, but still within control limits. The PID is typically used for analysis of aromatic compounds, such as BTEX, while the FID is a non-selective detector used for analysis of gasoline range petroleum hydrocarbon compounds. The PID detects many of the components of gasoline, but is more selective. The instrument was collecting data from both detectors, but due to a software configuration issue, the data from the PID detector was being displayed as the primary detector, and it was not clearly indicated on the reported data which detector was being used for quantitation. All QC passed on the PID, however reevaluation of the data on the FID indicated a potential low bias based on low percent difference (%D) of the initial calibration verification (ICV). Please see attached letter which contains details. Please also note the change in **BOLD** type below.

Receipt
The samples were received on 9/12/2018 12:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.6º C and 2.9º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: B1 (JPHC) -14.02 (580-80301-8) and Dup-1 (580-80301-10). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: The %D of the analyte Gasoline for ICV associated with batch 580-291670 was outside the lower control limits at -22.7%, limit 20%.The %D of surrogate 4-Bromofluorobenzene (Surr) for ICV associated with batch 580-291670 was outside the upper control limits at 33.7%, limit 20%. MW-10-16.81 (580-80301-5), MW-11-17.96 (580-80301-6), MW-12-13.57 (580-80301-7), B1 (JPHC)-14.02 (580-80301-8), B3 (JPHC)-15.18 (580-80301-9), Dup-1 (580-80301-10), Tripblank-1 (580-80301-11), (LCS 580-291688/7), (LCSD 580-291688/8) and (MB 580-291688/6)

Method(s) NWTPH-Gx: The continuing calibration verification (CCV) standard associated with batch 580-291699 recovered outside %Drift acceptance criteria for Trifluorotoluene surrogate. The %Recovery is within acceptance criteria for the surrogate in the CCV and associated samples; therefore, the data are qualified and reported. (CCV 580-291688/16), (CCV 580-291688/27) and (CCVRT 580-291688/5).

Method(s) NWTPH-Gx: The %D of surrogate for CCV associated with batch 580-284168 was outside the lower control limits. All associated sample surrogate fell within acceptance criteria; therefore, the data have been reported. (CCV 580-284168/16)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) NWTPH-Dx: Continuing calibration verification (CCV) standard associated with batch 580-284335 recovered outside %Drift acceptance criteria for o-Terphenyl surrogate. The %Recovery is within acceptance criteria for the surrogate in the CCV and associated samples; therefore, the data are qualified and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: MW-2-9.11

Date Collected: 09/11/18 15:20
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/19/18 22:33	1
Benzene	ND		2.0		ug/L			09/19/18 22:33	1
Toluene	ND		2.0		ug/L			09/19/18 22:33	1
Ethylbenzene	ND		3.0		ug/L			09/19/18 22:33	1
Xylenes, Total	ND		3.0		ug/L			09/19/18 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*94*		*80 - 120*		*09/19/18 22:33*	*1*
Toluene-d8 (Surr)	*93*		*75 - 125*		*09/19/18 22:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*09/19/18 22:33*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*09/19/18 22:33*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/19/18 22:33*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/17/18 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*50 - 150*		*09/17/18 13:21*	*1*
Trifluorotoluene (Surr)	*107*		*50 - 150*		*09/17/18 13:21*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		09/18/18 09:05	09/19/18 17:31	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/18/18 09:05	09/19/18 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*09/18/18 09:05*	*09/19/18 17:31*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 01:41	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 16:46	5

Client Sample ID: MW-4-17.85

Date Collected: 09/11/18 15:45
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/19/18 22:59	1
Benzene	ND		2.0		ug/L			09/19/18 22:59	1
Toluene	ND		2.0		ug/L			09/19/18 22:59	1
Ethylbenzene	ND		3.0		ug/L			09/19/18 22:59	1
Xylenes, Total	ND		3.0		ug/L			09/19/18 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*94*		*80 - 120*		*09/19/18 22:59*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*09/19/18 22:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*09/19/18 22:59*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*09/19/18 22:59*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*09/19/18 22:59*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/17/18 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*50 - 150*		*09/17/18 14:15*	*1*
Trifluorotoluene (Surr)	*107*		*50 - 150*		*09/17/18 14:15*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**480**		110		ug/L		09/18/18 09:05	09/19/18 17:53	1
Motor Oil (>C24-C36)	**510**		350		ug/L		09/18/18 09:05	09/19/18 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*09/18/18 09:05*	*09/19/18 17:53*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 01:37	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 16:50	5

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: MW-8-16.78

Date Collected: 09/11/18 13:10
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/19/18 23:26	1
Benzene	ND		2.0		ug/L			09/19/18 23:26	1
Toluene	ND		2.0		ug/L			09/19/18 23:26	1
Ethylbenzene	ND		3.0		ug/L			09/19/18 23:26	1
Xylenes, Total	ND		3.0		ug/L			09/19/18 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*91*		*80 - 120*		*09/19/18 23:26*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*09/19/18 23:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/19/18 23:26*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*09/19/18 23:26*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*09/19/18 23:26*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/17/18 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*50 - 150*		*09/17/18 14:42*	*1*
Trifluorotoluene (Surr)	*100*		*50 - 150*		*09/17/18 14:42*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**130**		110		ug/L		09/18/18 09:05	09/19/18 18:15	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/18/18 09:05	09/19/18 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*09/18/18 09:05*	*09/19/18 18:15*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 01:32	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 16:53	5

Client Sample ID: MW-9-18.31
Date Collected: 09/11/18 13:30
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/19/18 23:52	1
Benzene	ND		2.0		ug/L			09/19/18 23:52	1
Toluene	ND		2.0		ug/L			09/19/18 23:52	1
Ethylbenzene	ND		3.0		ug/L			09/19/18 23:52	1
Xylenes, Total	ND		3.0		ug/L			09/19/18 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*95*		*80 - 120*		*09/19/18 23:52*	*1*
Toluene-d8 (Surr)	*95*		*75 - 125*		*09/19/18 23:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/19/18 23:52*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*09/19/18 23:52*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*09/19/18 23:52*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/17/18 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*50 - 150*		*09/17/18 19:23*	*1*
Trifluorotoluene (Surr)	*102*		*50 - 150*		*09/17/18 19:23*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		09/18/18 09:05	09/19/18 18:37	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/18/18 09:05	09/19/18 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*09/18/18 09:05*	*09/19/18 18:37*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 00:54	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 16:14	5

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: MW-10-16.81
Date Collected: 09/11/18 14:15
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/20/18 01:12	1
Benzene	ND		2.0		ug/L			09/20/18 01:12	1
Toluene	ND		2.0		ug/L			09/20/18 01:12	1
Ethylbenzene	ND		3.0		ug/L			09/20/18 01:12	1
Xylenes, Total	ND		3.0		ug/L			09/20/18 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*96*		*80 - 120*		*09/20/18 01:12*	*1*
Toluene-d8 (Surr)	*94*		*75 - 125*		*09/20/18 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/20/18 01:12*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*09/20/18 01:12*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*09/20/18 01:12*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/16/18 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*50 - 150*		*09/16/18 23:31*	*1*
Trifluorotoluene (Surr)	*115*		*50 - 150*		*09/16/18 23:31*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		09/18/18 09:05	09/19/18 20:04	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/18/18 09:05	09/19/18 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*09/18/18 09:05*	*09/19/18 20:04*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 01:45	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 16:57	5

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: MW-11-17.96
Date Collected: 09/11/18 16:20
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/20/18 01:38	1
Benzene	ND		2.0		ug/L			09/20/18 01:38	1
Toluene	ND		2.0		ug/L			09/20/18 01:38	1
Ethylbenzene	ND		3.0		ug/L			09/20/18 01:38	1
Xylenes, Total	ND		3.0		ug/L			09/20/18 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*90*		*80 - 120*		*09/20/18 01:38*	*1*
Toluene-d8 (Surr)	*92*		*75 - 125*		*09/20/18 01:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/20/18 01:38*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*09/20/18 01:38*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*09/20/18 01:38*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/17/18 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*50 - 150*		*09/17/18 00:02*	*1*
Trifluorotoluene (Surr)	*116*		*50 - 150*		*09/17/18 00:02*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**580**		110		ug/L		09/18/18 09:05	09/19/18 20:26	1
Motor Oil (>C24-C36)	**620**		350		ug/L		09/18/18 09:05	09/19/18 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*09/18/18 09:05*	*09/19/18 20:26*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 01:49	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 17:00	5

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: MW-12-13.57
Date Collected: 09/11/18 14:45
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/20/18 02:05	1
Benzene	ND		2.0		ug/L			09/20/18 02:05	1
Toluene	ND		2.0		ug/L			09/20/18 02:05	1
Ethylbenzene	ND		3.0		ug/L			09/20/18 02:05	1
Xylenes, Total	ND		3.0		ug/L			09/20/18 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*90*		*80 - 120*		*09/20/18 02:05*	*1*
Toluene-d8 (Surr)	*93*		*75 - 125*		*09/20/18 02:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*09/20/18 02:05*	*1*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*09/20/18 02:05*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*09/20/18 02:05*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/17/18 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*50 - 150*		*09/17/18 00:33*	*1*
Trifluorotoluene (Surr)	*120*		*50 - 150*		*09/17/18 00:33*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**420**		110		ug/L		09/18/18 09:05	09/19/18 20:48	1
Motor Oil (>C24-C36)	**400**		360		ug/L		09/18/18 09:05	09/19/18 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*09/18/18 09:05*	*09/19/18 20:48*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 01:54	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 17:04	5

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: B1 (JPHC)-14.02
Date Collected: 09/11/18 12:30
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/20/18 02:31	1
Toluene	ND		2.0		ug/L			09/20/18 02:31	1
Ethylbenzene	**6.0**		3.0		ug/L			09/20/18 02:31	1
Xylenes, Total	**38**		3.0		ug/L			09/20/18 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*92*		*80 - 120*		*09/20/18 02:31*	*1*
Toluene-d8 (Surr)	*93*		*75 - 125*		*09/20/18 02:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*09/20/18 02:31*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*09/20/18 02:31*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/20/18 02:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**130**		20		ug/L			09/20/18 14:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*93*		*80 - 120*		*09/20/18 14:45*	*10*
Toluene-d8 (Surr)	*92*		*75 - 125*		*09/20/18 14:45*	*10*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*09/20/18 14:45*	*10*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*		*09/20/18 14:45*	*10*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*09/20/18 14:45*	*10*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**1600**		250		ug/L			09/17/18 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*50 - 150*		*09/17/18 01:03*	*1*
Trifluorotoluene (Surr)	*113*		*50 - 150*		*09/17/18 01:03*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**5100**		110		ug/L		09/18/18 09:05	09/19/18 21:10	1
Motor Oil (>C24-C36)	**2000**		350		ug/L		09/18/18 09:05	09/19/18 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*09/18/18 09:05*	*09/19/18 21:10*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 01:58	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 17:07	5

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: B3 (JPHC)-15.18
Date Collected: 09/11/18 11:40
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/20/18 02:58	1
Benzene	ND		2.0		ug/L			09/20/18 02:58	1
Toluene	ND		2.0		ug/L			09/20/18 02:58	1
Ethylbenzene	ND		3.0		ug/L			09/20/18 02:58	1
Xylenes, Total	ND		3.0		ug/L			09/20/18 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*95*		*80 - 120*		*09/20/18 02:58*	*1*
Toluene-d8 (Surr)	*94*		*75 - 125*		*09/20/18 02:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*09/20/18 02:58*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*09/20/18 02:58*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/20/18 02:58*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/17/18 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*50 - 150*		*09/17/18 01:34*	*1*
Trifluorotoluene (Surr)	*120*		*50 - 150*		*09/17/18 01:34*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**5000**		110		ug/L		09/18/18 09:05	09/19/18 21:33	1
Motor Oil (>C24-C36)	**1900**		360		ug/L		09/18/18 09:05	09/19/18 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*09/18/18 09:05*	*09/19/18 21:33*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 02:02	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 17:11	5

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: Dup-1
Date Collected: 09/11/18 00:01
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/20/18 03:24	1
Toluene	ND		2.0		ug/L			09/20/18 03:24	1
Ethylbenzene	**6.0**		3.0		ug/L			09/20/18 03:24	1
Xylenes, Total	**36**		3.0		ug/L			09/20/18 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*95*		*80 - 120*		*09/20/18 03:24*	*1*
Toluene-d8 (Surr)	*95*		*75 - 125*		*09/20/18 03:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*09/20/18 03:24*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*09/20/18 03:24*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*09/20/18 03:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**120**		20		ug/L			09/20/18 15:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*94*		*80 - 120*		*09/20/18 15:11*	*10*
Toluene-d8 (Surr)	*92*		*75 - 125*		*09/20/18 15:11*	*10*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*09/20/18 15:11*	*10*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*		*09/20/18 15:11*	*10*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*09/20/18 15:11*	*10*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**1200**		250		ug/L			09/17/18 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*50 - 150*		*09/17/18 02:06*	*1*
Trifluorotoluene (Surr)	*120*		*50 - 150*		*09/17/18 02:06*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**140**		110		ug/L		09/18/18 09:05	09/19/18 21:55	1
Motor Oil (>C24-C36)	ND		360		ug/L		09/18/18 09:05	09/19/18 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*09/18/18 09:05*	*09/19/18 21:55*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 02:06	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 17:14	5

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: Tripblank-1
Date Collected: 09/11/18 00:01
Date Received: 09/12/18 12:40

Lab Sample ID: 580-80301-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20		ug/L			09/19/18 21:13	1
Toluene	ND		0.20		ug/L			09/19/18 21:13	1
Ethylbenzene	ND		0.20		ug/L			09/19/18 21:13	1
m-Xylene & p-Xylene	ND		0.50		ug/L			09/19/18 21:13	1
o-Xylene	ND		0.50		ug/L			09/19/18 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*93*		*80 - 120*		*09/19/18 21:13*	*1*
Toluene-d8 (Surr)	*91*		*75 - 125*		*09/19/18 21:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/19/18 21:13*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*09/19/18 21:13*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/19/18 21:13*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/16/18 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*50 - 150*		*09/16/18 23:00*	*1*
Trifluorotoluene (Surr)	*91*		*50 - 150*		*09/16/18 23:00*	*1*

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

Lab Sample ID: MB 580-284413/7
Matrix: Water
Analysis Batch: 284413

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30		ug/L			09/19/18 20:20	1
Benzene	ND		0.20		ug/L			09/19/18 20:20	1
Toluene	ND		0.20		ug/L			09/19/18 20:20	1
Ethylbenzene	ND		0.20		ug/L			09/19/18 20:20	1
m-Xylene & p-Xylene	ND		0.50		ug/L			09/19/18 20:20	1
o-Xylene	ND		0.50		ug/L			09/19/18 20:20	1
Xylenes, Total	ND		0.50		ug/L			09/19/18 20:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*95*		*80 - 120*		*09/19/18 20:20*	*1*
Toluene-d8 (Surr)	*93*		*75 - 125*		*09/19/18 20:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*09/19/18 20:20*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*09/19/18 20:20*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*09/19/18 20:20*	*1*

Lab Sample ID: LCS 580-284413/4
Matrix: Water
Analysis Batch: 284413

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	5.00	5.33		ug/L		107	80 - 127
Benzene	5.00	5.43		ug/L		109	73 - 133
Toluene	5.00	5.01		ug/L		100	80 - 126
Ethylbenzene	5.00	5.32		ug/L		106	74 - 138
m-Xylene & p-Xylene	5.00	5.13		ug/L		103	73 - 130
o-Xylene	5.00	5.09		ug/L		102	80 - 139
Xylenes, Total	10.0	10.2		ug/L		102	73 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*91*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-284413/5
Matrix: Water
Analysis Batch: 284413

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	5.00	5.21		ug/L		104	80 - 127	2	20
Benzene	5.00	5.42		ug/L		108	73 - 133	0	20
Toluene	5.00	5.05		ug/L		101	80 - 126	1	20
Ethylbenzene	5.00	5.39		ug/L		108	74 - 138	1	20
m-Xylene & p-Xylene	5.00	5.18		ug/L		104	73 - 130	1	20
o-Xylene	5.00	5.24		ug/L		105	80 - 139	3	20
Xylenes, Total	10.0	10.4		ug/L		104	73 - 139	2	20

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

Lab Sample ID: LCSD 580-284413/5
Matrix: Water
Analysis Batch: 284413

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*91*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*

Lab Sample ID: 580-80301-4 MS
Matrix: Water
Analysis Batch: 284413

Client Sample ID: MW-9-18.31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		5.00	5.13		ug/L		103	80 - 127
Benzene	ND		5.00	5.48		ug/L		101	73 - 133
Toluene	ND		5.00	5.08		ug/L		102	80 - 126
Ethylbenzene	ND		5.00	5.15		ug/L		103	74 - 138
m-Xylene & p-Xylene	ND		5.00	4.96		ug/L		96	73 - 130
o-Xylene	ND		5.00	5.05		ug/L		101	80 - 139
Xylenes, Total	ND		10.0	10.0		ug/L		100	73 - 139

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*92*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: 580-80301-4 MSD
Matrix: Water
Analysis Batch: 284413

Client Sample ID: MW-9-18.31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		5.00	5.45		ug/L		109	80 - 127	6	20
Benzene	ND		5.00	5.66		ug/L		105	73 - 133	3	20
Toluene	ND		5.00	5.20		ug/L		104	80 - 126	2	20
Ethylbenzene	ND		5.00	5.38		ug/L		108	74 - 138	4	20
m-Xylene & p-Xylene	ND		5.00	5.22		ug/L		101	73 - 130	5	20
o-Xylene	ND		5.00	5.36		ug/L		107	80 - 139	6	20
Xylenes, Total	ND		10.0	10.6		ug/L		106	73 - 139	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*91*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 580-284438/7
Matrix: Water
Analysis Batch: 284438

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			09/20/18 12:59	1
Benzene	ND		2.0		ug/L			09/20/18 12:59	1
Toluene	ND		2.0		ug/L			09/20/18 12:59	1
Ethylbenzene	ND		3.0		ug/L			09/20/18 12:59	1
m-Xylene & p-Xylene	ND		3.0		ug/L			09/20/18 12:59	1
o-Xylene	ND		2.0		ug/L			09/20/18 12:59	1
Xylenes, Total	ND		3.0		ug/L			09/20/18 12:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*95*		*80 - 120*		*09/20/18 12:59*	*1*
Toluene-d8 (Surr)	*91*		*75 - 125*		*09/20/18 12:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*09/20/18 12:59*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*09/20/18 12:59*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*09/20/18 12:59*	*1*

Lab Sample ID: LCS 580-284438/4
Matrix: Water
Analysis Batch: 284438

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	5.00	5.28		ug/L		106	80 - 127
Benzene	5.00	5.54		ug/L		111	73 - 133
Toluene	5.00	5.17		ug/L		103	80 - 126
Ethylbenzene	5.00	5.39		ug/L		108	74 - 138
m-Xylene & p-Xylene	5.00	5.25		ug/L		105	73 - 130
o-Xylene	5.00	5.25		ug/L		105	80 - 139
Xylenes, Total	10.0	10.5		ug/L		105	73 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*90*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-284438/5
Matrix: Water
Analysis Batch: 284438

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	5.00	5.13		ug/L		103	80 - 127	3	20
Benzene	5.00	5.61		ug/L		112	73 - 133	1	20
Toluene	5.00	5.25		ug/L		105	80 - 126	2	20
Ethylbenzene	5.00	5.52		ug/L		110	74 - 138	2	20
m-Xylene & p-Xylene	5.00	5.42		ug/L		108	73 - 130	3	20
o-Xylene	5.00	5.41		ug/L		108	80 - 139	3	20
Xylenes, Total	10.0	10.8		ug/L		108	73 - 139	3	20

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

Lab Sample ID: LCSD 580-284438/5
Matrix: Water
Analysis Batch: 284438

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*92*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-284084/6
Matrix: Water
Analysis Batch: 284084

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/16/18 16:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*		*50 - 150*		*09/16/18 16:42*	*1*
Trifluorotoluene (Surr)	*96*		*50 - 150*		*09/16/18 16:42*	*1*

Lab Sample ID: LCS 580-284084/7
Matrix: Water
Analysis Batch: 284084

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	981		ug/L		98	79 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*50 - 150*
Trifluorotoluene (Surr)	*112*		*50 - 150*

Lab Sample ID: LCSD 580-284084/8
Matrix: Water
Analysis Batch: 284084

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	1040		ug/L		104	79 - 120	6	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*50 - 150*
Trifluorotoluene (Surr)	*114*		*50 - 150*

Lab Sample ID: MB 580-284168/6
Matrix: Water
Analysis Batch: 284168

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/17/18 18:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		09/17/18 18:01	1
Trifluorotoluene (Surr)	112		50 - 150		09/17/18 18:01	1

Lab Sample ID: LCS 580-284168/7
Matrix: Water
Analysis Batch: 284168

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	1050		ug/L		105	79 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		50 - 150
Trifluorotoluene (Surr)	118		50 - 150

Lab Sample ID: LCSD 580-284168/8
Matrix: Water
Analysis Batch: 284168

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	1050		ug/L		105	79 - 120	0	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		50 - 150
Trifluorotoluene (Surr)	115		50 - 150

Lab Sample ID: 580-80301-4 MS
Matrix: Water
Analysis Batch: 284168

Client Sample ID: MW-9-18.31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	ND		1000	964		ug/L		96	79 - 120		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		50 - 150
Trifluorotoluene (Surr)	107		50 - 150

Lab Sample ID: 580-80301-4 MSD
Matrix: Water
Analysis Batch: 284168

Client Sample ID: MW-9-18.31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND		1000	951		ug/L		95	79 - 120	1	10

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		50 - 150
Trifluorotoluene (Surr)	106		50 - 150

Lab Sample ID: MB 580-291688/6
Matrix: Water
Analysis Batch: 291688

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			09/16/18 16:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*85*		*50 - 150*		*09/16/18 16:49*	*1*
Trifluorotoluene (Surr)	*123*		*50 - 150*		*09/16/18 16:49*	*1*

Lab Sample ID: LCS 580-291688/7
Matrix: Water
Analysis Batch: 291688

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	921		ug/L		92	79 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*99*		*50 - 150*
Trifluorotoluene (Surr)	*127*		*50 - 150*

Lab Sample ID: LCSD 580-291688/8
Matrix: Water
Analysis Batch: 291688

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	912		ug/L		91	79 - 120	1	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*96*		*50 - 150*
Trifluorotoluene (Surr)	*125*		*50 - 150*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-284200/1-A
Matrix: Water
Analysis Batch: 284335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 284200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		09/18/18 09:05	09/19/18 15:39	1
Motor Oil (>C24-C36)	ND		350		ug/L		09/18/18 09:05	09/19/18 15:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*84*		*50 - 150*	*09/18/18 09:05*	*09/19/18 15:39*	*1*

Lab Sample ID: LCS 580-284200/2-A
Matrix: Water
Analysis Batch: 284335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 284200

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1240		ug/L		62	50 - 120
Motor Oil (>C24-C36)	2000	1780		ug/L		89	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	*88*		*50 - 150*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-284200/3-A
Matrix: Water
Analysis Batch: 284335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 284200

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			2000	1330		ug/L		66	50 - 120	7	26
Motor Oil (>C24-C36)			2000	1820		ug/L		91	64 - 120	2	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*115*		*50 - 150*

Lab Sample ID: 580-80301-4 MS
Matrix: Water
Analysis Batch: 284335

Client Sample ID: MW-9-18.31
Prep Type: Total/NA
Prep Batch: 284200

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	ND		2020	1560		ug/L		73	50 - 120
Motor Oil (>C24-C36)	ND		2020	1860		ug/L		86	64 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*107*		*50 - 150*

Lab Sample ID: 580-80301-4 MSD
Matrix: Water
Analysis Batch: 284335

Client Sample ID: MW-9-18.31
Prep Type: Total/NA
Prep Batch: 284200

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	ND		2030	1450		ug/L		68	50 - 120	7	26
Motor Oil (>C24-C36)	ND		2030	1710		ug/L		78	64 - 120	8	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*93*		*50 - 150*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 580-284091/23-A
Matrix: Water
Analysis Batch: 284430

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 284091

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead			1000	994		ug/L		99	80 - 120

Lab Sample ID: LCSD 580-284091/24-A
Matrix: Water
Analysis Batch: 284430

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 284091

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1000	1000		ug/L		100	80 - 120	1	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-284448/22-A
Matrix: Water
Analysis Batch: 284542

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 284448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/20/18 11:42	09/21/18 00:41	5

Lab Sample ID: LCS 580-284448/23-A
Matrix: Water
Analysis Batch: 284542

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 284448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	1050		ug/L		105	80 - 120

Lab Sample ID: LCSD 580-284448/24-A
Matrix: Water
Analysis Batch: 284542

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 284448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	1000		ug/L		100	80 - 120	5	20

Lab Sample ID: 580-80301-4 MS
Matrix: Water
Analysis Batch: 284542

Client Sample ID: MW-9-18.31
Prep Type: Total Recoverable
Prep Batch: 284448

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		1000	1040		ug/L		104	80 - 120

Lab Sample ID: 580-80301-4 MSD
Matrix: Water
Analysis Batch: 284542

Client Sample ID: MW-9-18.31
Prep Type: Total Recoverable
Prep Batch: 284448

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	1020		ug/L		102	80 - 120	1	20

Lab Sample ID: 580-80301-4 DU
Matrix: Water
Analysis Batch: 284542

Client Sample ID: MW-9-18.31
Prep Type: Total Recoverable
Prep Batch: 284448

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	ND		ND		ug/L		NC	20

Lab Sample ID: MB 580-283867/17-B
Matrix: Water
Analysis Batch: 284430

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 284091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		09/17/18 08:55	09/19/18 16:04	5

Lab Sample ID: 580-80301-4 MS
Matrix: Water
Analysis Batch: 284430

Client Sample ID: MW-9-18.31
Prep Type: Dissolved
Prep Batch: 284091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		1000	1080		ug/L		108	80 - 120

Lab Sample ID: 580-80301-4 MSD
Matrix: Water
Analysis Batch: 284430

Client Sample ID: MW-9-18.31
Prep Type: Dissolved
Prep Batch: 284091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	993		ug/L		99	80 - 120	8	20

Lab Sample ID: 580-80301-4 DU
Matrix: Water
Analysis Batch: 284430

Client Sample ID: MW-9-18.31
Prep Type: Dissolved
Prep Batch: 284091

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND			ND		ug/L				NC	20

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: MW-2-9.11

Lab Sample ID: 580-80301-1

Date Collected: 09/11/18 15:20

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/19/18 22:33	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	284084	09/17/18 13:21	T1W	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 17:31	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 16:46	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 01:41	FCW	TAL SEA

Client Sample ID: MW-4-17.85

Lab Sample ID: 580-80301-2

Date Collected: 09/11/18 15:45

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/19/18 22:59	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	284084	09/17/18 14:15	T1W	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 17:53	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 16:50	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 01:37	FCW	TAL SEA

Client Sample ID: MW-8-16.78

Lab Sample ID: 580-80301-3

Date Collected: 09/11/18 13:10

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/19/18 23:26	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	284084	09/17/18 14:42	T1W	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 18:15	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 16:53	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 01:32	FCW	TAL SEA

Client Sample ID: MW-9-18.31

Lab Sample ID: 580-80301-4

Date Collected: 09/11/18 13:30

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/19/18 23:52	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	284168	09/17/18 19:23	CJ	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 18:37	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 16:14	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 00:54	FCW	TAL SEA

Client Sample ID: MW-10-16.81

Lab Sample ID: 580-80301-5

Date Collected: 09/11/18 14:15

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/20/18 01:12	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291688	09/16/18 23:31	JSM	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 20:04	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 16:57	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 01:45	FCW	TAL SEA

Client Sample ID: MW-11-17.96

Lab Sample ID: 580-80301-6

Date Collected: 09/11/18 16:20

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/20/18 01:38	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291688	09/17/18 00:02	JSM	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 20:26	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 17:00	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 01:49	FCW	TAL SEA

Client Sample ID: MW-12-13.57

Lab Sample ID: 580-80301-7

Date Collected: 09/11/18 14:45

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/20/18 02:05	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291688	09/17/18 00:33	JSM	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 20:48	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 17:04	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 01:54	FCW	TAL SEA

Client Sample ID: B1 (JPHC)-14.02

Lab Sample ID: 580-80301-8

Date Collected: 09/11/18 12:30

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/20/18 02:31	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	10	284438	09/20/18 14:45	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291688	09/17/18 01:03	JSM	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 21:10	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 17:07	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 01:58	FCW	TAL SEA

Client Sample ID: B3 (JPHC)-15.18

Lab Sample ID: 580-80301-9

Date Collected: 09/11/18 11:40

Matrix: Water

Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/20/18 02:58	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291688	09/17/18 01:34	JSM	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 21:33	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 17:11	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 02:02	FCW	TAL SEA

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Client Sample ID: Dup-1

Lab Sample ID: 580-80301-10

Date Collected: 09/11/18 00:01
Matrix: Water
Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/20/18 03:24	W1T	TAL SEA
Total/NA	Analysis	8260C	DL	10	284438	09/20/18 15:11	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291688	09/17/18 02:06	JSM	TAL SEA
Total/NA	Prep	3510C			284200	09/18/18 09:05	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	284335	09/19/18 21:55	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			283867	09/13/18 08:45	JKM	TAL SEA
Dissolved	Prep	3005A			284091	09/17/18 08:55	JKM	TAL SEA
Dissolved	Analysis	6020A		5	284430	09/19/18 17:14	FCW	TAL SEA
Total Recoverable	Prep	3005A			284448	09/20/18 11:42	JKM	TAL SEA
Total Recoverable	Analysis	6020A		5	284542	09/21/18 02:06	FCW	TAL SEA

Client Sample ID: Tripblank-1

Lab Sample ID: 580-80301-11

Date Collected: 09/11/18 00:01
Matrix: Water
Date Received: 09/12/18 12:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284413	09/19/18 21:13	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291688	09/16/18 23:00	JSM	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Laboratory: TestAmerica Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C553	02-17-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020A	3005A	Water	Lead
8260C		Water	Xylenes, Total

Sample Summary

Client: Antea USA, Inc.
Project/Site: BP-ARCO 00980

TestAmerica Job ID: 580-80301-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-80301-1	MW-2-9.11	Water	09/11/18 15:20	09/12/18 12:40
580-80301-2	MW-4-17.85	Water	09/11/18 15:45	09/12/18 12:40
580-80301-3	MW-8-16.78	Water	09/11/18 13:10	09/12/18 12:40
580-80301-4	MW-9-18.31	Water	09/11/18 13:30	09/12/18 12:40
580-80301-5	MW-10-16.81	Water	09/11/18 14:15	09/12/18 12:40
580-80301-6	MW-11-17.96	Water	09/11/18 16:20	09/12/18 12:40
580-80301-7	MW-12-13.57	Water	09/11/18 14:45	09/12/18 12:40
580-80301-8	B1 (JPHC)-14.02	Water	09/11/18 12:30	09/12/18 12:40
580-80301-9	B3 (JPHC)-15.18	Water	09/11/18 11:40	09/12/18 12:40
580-80301-10	Dup-1	Water	09/11/18 00:01	09/12/18 12:40
580-80301-11	Tripblank-1	Water	09/11/18 00:01	09/12/18 12:40

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

Loc: 580
80301

BP/ARC Project Name: ARCO 980
BP/ARC Facility No: ARCO Facility No. 00980
Req Due Date (mm/dd/yy): Standart TAT
Rush TAT: Yes ____ No X
Lab Work Order Number:

Lab Name:	Test America	BP/ARC Facility Address:	10822 Roosevelt Way NE	Consultant/Contractor:	Antea Group
Lab Address:	5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code:	Seattle, WA	Consultant/Contractor Project No:	00980SA271.20100
Lab PM:	Elaine Walker	Lead Regulatory Agency:	Washington State Department of Ecology	Address:	4006 148th Ave NE, Redmond, WA 98052
Lab Phone:	253.248.4972	California Global ID No.:	NA	Consultant/Contractor PM:	Megan Richard
Lab Shipping Accnt:		Enfos Proposal No:	009VH-0004/WR313778	Phone:	425.498.7711
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ____ OOC-RM ____	Email EDD To:	megan.richard@anteagroup.com
Other Info:	elaine.walker@testamericainc.com	Stage:	20 Activity: 100	Invoice To:	BP/ARC X Contractor ____
BP/ARC EBM:	Wade Melton				
EBM Phone:	360-594-7978				
EBM Email:	wade.melton@bp.com				

Report Type & QC Level: Standard X w/ Access; Full Data Package ____

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	$Na_2S_2O_3$	Requested Analyses: BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020
	MW-2 -9.11	9/11/18	15:20		X		10	1		1	8		X	X	X	X	X	X
	MW-4 -17.85	9/11/18	15:45		X		10	1		1	8		X	X	X	X	X	X
	~~MW-6~~				X								~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~
	MW-8 -16.78	9/11/18	13:10		X		10	1		1	8		X	X	X	X	X	X
	MW-9 -18.31	9/11/18	13:30		X		30	3		3	24		X	X	X	X	X	X
	MW-10 -16.81	9/11/18	14:15		X		10	1		1	8		X	X	X	X	X	X
	MW-11 -17.96	9/11/18	16:20		X		10	1		1	8		X	X	X	X	X	X
	MW-12 -13.57	9/11/18	14:45		X		10	1		1	8		X	X	X	X	X	X
	B1 (JPHC) -14.02	9/11/18	12:30		X		10	1		1	8		X	X	X	X	X	X
	B3 (JPHC) -15.18	9/11/18	11:40		X		10	1		1	8		X	X	X	X	X	X

Therm. ID: IR5 Cor: 2.4 ° Unc: 3.1 °
Cooler Dsc: Lg Blue
Packing: Bubble
Cust. Seal: Yes ____ No X
Wet/Packs/Dry Ice/None
FedEx: ____
UPS: ____
Lab Cour: Y
Other: ____

SH

MS/MSD

Therm. ID: 48 Cor: 1.6 ° Unc: 1.3 °
Cooler Dsc: Lg Blue
Packing: Bubble
Cust. Seal: Yes ____ No X
Wet/Packs/Dry Ice/None
FedEx: ____
UPS: ____
Lab Cour: Y
Other: ____

Sampler's Name: Grace Hilbert
Sampler's Company: Antea Group
Shipment Method: ____ Ship Date: ____
Shipment Tracking No: ____

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Grace Hilbert / Antea	9/12/18	12:40	TA-STL	9/12/18	1240

Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

580-80301 Chain of Custody

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: ARCO 980 **Req Due Date (mm/dd/yy):** Standart TAT **Rush TAT:** Yes ___ No X

BP/ARC Facility No: ARCO Facility No. 00980 **Lab Work Order Number:**

Lab Name: Test America	BP/ARC Facility Address: 10822 Roosevellt Way NE	Consultant/Contractor: Antea Group
Lab Address: 5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code: Seattle, WA	Consultant/Contractor Project No: 00980SA271.20100
Lab PM: Elaine Walker	Lead Regulatory Agency: Washington State Department of Ecology	Address: 4006 148th Ave NE, Redmond, WA 98052
Lab Phone: 253.248.4972	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard
Lab Shipping Accnt:	Enfos Proposal No: 009VH-0004/WR313778	Phone: 425.498.7711
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: megan.richard@anteagroup.com
Other Info: elaine.walker@testamericainc.com	Stage: 20 Activity: 100	Invoice To: BP/ARC X Contractor ___

BP/ARC EBM: Wade Melton
EBM Phone: 360-594-7978
EBM Email: wade.melton@bp.com

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	$Na_2S_2O_3$		Requested Analyses: BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020					Comments
	Dup-1	9/11/18			X										X	X	X	X	X	X					
	Tripblank-1	—	—		X										X		X								

Report Type & QC Level: Standard X w/ Access; Full Data Package ___

Sampler's Name: Grace Hilbert	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Antea Group	Grace Hilbert/ Antea	9/12/18	12:40	TH-SEH	9/12/18	1246
Shipment Method: Ship Date:						
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: ___ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-80301-1

Login Number: 80301
List Number: 1
Creator: Gall, Brandon A

List Source: TestAmerica Seattle

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

January 16, 2019

Antea USA, Inc.
4006 148th Ave NE
Redmond, WA 98052

RE: Alternative Detector used for TPH Quantitation

Dear Megan Richard:

It is the policy of TestAmerica to conduct its business with honesty and integrity, to produce accurate and usable environmental analytical test results and related services and to provide the best possible service to our clients. As such, we routinely conduct internal data reviews to assess our adherence to method requirements and Quality Assurance protocols. If any issues are noted during these reviews that impact the quality of data, we will notify affected clients and correct the issue.

During a recent internal data review, TestAmerica Seattle discovered that a dual detector instrument configured with a Photoionization Detector (PID) and a Flame Ionization Detector (FID) was using the incorrect detector for quantitation of TPH by Method NWTPH-Gx. The PID is typically used for analysis of aromatic compounds, such as BTEX, while the FID is a non-selective detector used for analysis of gasoline range petroleum hydrocarbon compounds. The PID detects many of the components of gasoline, but is more selective. The instrument was collecting data from both detectors, but due to a software configuration issue, the data from the PID detector was being displayed as the primary detector, and it was not clearly indicated on the reported data which detector was being used for quantitation. All QC passed on the PID, however re-evaluation of the data on the FID indicated a potential low bias based on low percent difference (%D) of one of the initial calibration verifications (ICVs) and some of the continuing calibration verifications (CCVs). A summary of the compared results, are available below. A summary of the compared results, are available below.

TestAmerica is providing you this summary, and may provide a revised report to reflect results using the FID, as requested.

Project	Sample ID	Client ID	Reported PID Result	FID Result	Units
BP -ARCO 980	580-81986-F-1	MW-2_8.93	ND	ND	ug/L
BP -ARCO 980	580-81986-F-2	MW-4_17.40	ND	ND	ug/L
BP -ARCO 980	580-81986-F-3	MW-8_16.66	ND	ND	ug/L
BP -ARCO 980	580-81986-F-4	MW-9_17.71	ND	ND	ug/L
BP -ARCO 980	580-81986-F-5	MW-10_16.14	ND	ND	ug/L
BP -ARCO 980	580-81986-F-6	MW-11_17.42	ND	ND	ug/L
BP -ARCO 980	580-81986-F-7	MW-12_13.10	ND	ND	ug/L
BP -ARCO 980	580-81986-G-8	B1 (JPHC)_13.50	2400	2500	ug/L
BP -ARCO 980	580-81986-B-9	Tripblank-1	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-1	MW-2_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-4	MW-5_20181127	ND	ND	ug/L

BP - OPLC - Castle Rock	580-82200-A-5	MW-6_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-6	MW-7_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-7	MW-8_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-B-8	MW-9_20181127	1100	1100	ug/L
BP - OPLC - Castle Rock	580-82200-A-9	MW-10_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-10	MW-11_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-11	MW-12_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-12	RW-1_20181127	7900	8000	ug/L
BP - OPLC - Castle Rock	580-82200-A-13	Utility Well_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-15	Trip Blank -1	ND	ND	ug/L
BP -ARCO 980	580-82158-D-1-A	GSG-4-5	ND	ND	mg/Kg
BP-ARCO 00980	580-80301-E-5	MW-10-16.81	ND	ND	ug/L
BP-ARCO 00980	580-80301-E-6	MW-11-17.96	ND	ND	ug/L
BP-ARCO 00980	580-80301-E-7	MW-12-13.57	ND	ND	ug/L
BP-ARCO 00980	580-80301-E-8	B1 (JPHC)-14.02	1500	1600	ug/L
BP-ARCO 00980	580-80301-E-9	B3 (JPHC)-15.18	ND	ND	ug/L
BP-ARCO 00980	580-80301-E-10	Dup-1	1100	1200	ug/L
BP-ARCO 00980	580-80301-E-11	Tripblank-1	ND	ND	ug/L
BP - ARCO 818	580-80367-D-1	MW-1_14.69	ND	ND	ug/L
BP - ARCO 818	580-80367-D-2	MW-2_12.35	ND	ND	ug/L
BP - ARCO 818	580-80367-E-3	MW-3_15.36	46000	37000	ug/L
BP - ARCO 818	580-80367-D-4	MW-4_16.74	ND	ND	ug/L
BP - ARCO 818	580-80367-E-5	MW-5_19.90	ND	ND	ug/L
BP - ARCO 818	580-80367-H-6	MW-6_17.09	ND	ND	ug/L
BP - ARCO 818	580-80367-F-7	MW-7_23.11	ND	ND	ug/L
BP - ARCO 818	580-80367-D-8	MW-8_23.24	ND	ND	ug/L
BP - ARCO 818	580-80367-G-9	MW-9_17.01	ND	ND	ug/L
BP - ARCO 818	580-80367-C-10	Tripblank-1	ND	ND	ug/L
BP - ARCO 5243	580-80698-B-2	MW-2_11.43	ND	ND	ug/L
BP - ARCO 5243	580-80698-B-3	MW-3_9.85	ND	ND	ug/L
BP - ARCO 5243	580-80698-B-4	MW-4_6.82	1100	710	ug/L
BP - ARCO 5243	580-80698-B-5	MW-5_6.56	ND	ND	ug/L

BP - ARCO 5243	580-80698-B-6	MW-6_7.18	1400	900	ug/L
BP - ARCO 5243	580-80698-B-7	MW-7_6.35	1600	1020	ug/L
BP - ARCO 5243	580-80698-B-8	MW-8_7.64	2200	1400	ug/L
BP - ARCO 5243	580-80698-B-9	MW-9_8.10	690	450	ug/L
BP - ARCO 5243	580-80698-B-10	MW-10_8.48	2600	1700	ug/L
BP - ARCO 5243	580-80698-B-11	MW-11_9.16	ND	ND	ug/L
BP - ARCO 5243	580-80698-C-12	VE-1_6.31	2200	2100	ug/L
BP - ARCO 5243	580-80698-B-13	GWE-1_6.88	ND	ND	ug/L
BP - ARCO 5243	580-80698-B-15	Tripblank-1	ND	ND	ug/L
BP - ARCO 5243	580-80698-C-14	Dup-1	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-A-1	OPL-W-1_20180927	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-B-2	OPL-W-2_20180927	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-B-3	OPL-W-3_20180927	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-B-4	OPL-W-4_20180927	3300	3100	ug/L
BP - OPLC - Tacoma DF	580-80802-C-5	OPL-W-6_20180927	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-B-6	OPL-W-7_20180927	6800	6100	ug/L
BP - OPLC - Tacoma DF	580-80802-B-7	Trip Blank-1	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-1	MW-1_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-2	MW-3_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-3	MW-4_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-4	MW-5_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-5	MW-6_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-6	MW-7_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-7	MW-8_20181009	610	580	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-8	MW-9_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-9	MW-10_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-D-10	MW-11_20181009	ND	ND	ug/L

TestAmerica has corrected the software configuration, and is implementing additional review measures for instrument configuration to avoid such an occurrence in the future. TestAmerica regrets the inconvenience that has resulted from this issue. However, it is our policy to always be proactive in correcting errors, performing internal critical reviews and forthrightly reporting the results. We look forward to continuing our relationship and stand by our commitment of providing high quality data and service.

If you have questions or need further information please feel free to contact me at the laboratory (253-248-4968) or at email Terri.Torres@TestAmericinc.com.

Sincerely,

Terri Torres
Quality Assurance Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-81986-1
Client Project/Site: BP -ARCO 980
Sampling Event: Antea ARCO 980
Revision: 2

For:
Antea USA, Inc.
4006 148th Ave NE
Redmond, Washington 98052

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
2/1/2019 3:51:43 PM

Elaine Walker, Project Manager II
(253)248-4972
elaine.walker@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPLAMP Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPLAMP. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.

Elaine Walker
Project Manager II
2/1/2019 3:51:43 PM

Table of Contents

Job ID: 580-81986-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative
580-81986-1

Revision 2: February 1, 2019
During a recent internal data review, TestAmerica Seattle discovered that a dual detector instrument configured with a Photoionization Detector (PID) and a Flame Ionization Detector (FID) was using the incorrect detector for quantitation of TPH by Method NWTPH-Gx. The data for sample B1 (JPHC)_13.50 (580-81986-8) has changed. Results for the remaining samples stayed the same. Surrogate recoveries are slightly different for all of the samples, but still within control limits. The PID is typically used for analysis of aromatic compounds, such as BTEX, while the FID is a non-selective detector used for analysis of gasoline range petroleum hydrocarbon compounds. The PID detects many of the components of gasoline, but is more selective. The instrument was collecting data from both detectors, but due to a software configuration issue, the data from the PID detector was being displayed as the primary detector, and it was not clearly indicated on the reported data which detector was being used for quantitation. All QC passed on the PID, however reevaluation of the data on the FID indicated a potential low bias based on low percent difference (%D) of the initial calibration verification (ICV). Please see attached letter which contains details. Please also note the changes in **BOLD** type below.

Revision 1: January 21, 2019
This revision is to remove the extra motor oil results from samples MW-4_17.40 (580-81986-2), MW-8_16.66 (580-81986-3), MW-9_17.71 (580-81986-4), MW-10_16.14 (580-81986-5), MW-11_17.42 (580-81986-6), MW-12_13.10 (580-81986-7) and B1 (JPHC)_13.50 (580-81986-8). These samples were initially run with a failing CCV and were reanalyzed. The inital motor oil result has been removed and only reported from the reanalysis with the CCV in control.

Receipt
Nine samples were received on 11/16/2018 1:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: B1 (JPHC)_13.50 (580-81986-8). Elevated reporting limits (RLs) are provided.

Method(s) NWTPH-Gx: The continuing calibration verification (CCV) standard associated with batch 580-291699 recovered outside %Drift acceptance criteria for Trifluorotoluene surrogate. The %Recovery is within acceptance criteria for the surrogate in the CCV and associated samples; therefore, the data are qualified and reported. (CCV 580-291363/16), (CCV 580-291363/27) and (CCV 580-291363/5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-4_17.40 (580-81986-2), MW-8_16.66 (580-81986-3), MW-9_17.71 (580-81986-4), MW-10_16.14 (580-81986-5), MW-11_17.42 (580-81986-6), MW-12_13.10 (580-81986-7) and B1 (JPHC)_13.50 (580-81986-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample ID: MW-2_8.93
Date Collected: 11/15/18 13:30
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/23/18 15:03	1
Benzene	ND		2.0		ug/L			11/23/18 15:03	1
Toluene	ND		2.0		ug/L			11/23/18 15:03	1
Ethylbenzene	ND		3.0		ug/L			11/23/18 15:03	1
m-Xylene & p-Xylene	ND		3.0		ug/L			11/23/18 15:03	1
o-Xylene	ND		2.0		ug/L			11/23/18 15:03	1
Xylenes, Total	ND		3.0		ug/L			11/23/18 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*11/23/18 15:03*	*1*
Toluene-d8 (Surr)	*102*		*75 - 125*		*11/23/18 15:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*11/23/18 15:03*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/23/18 15:03*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*11/23/18 15:03*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*50 - 150*		*11/28/18 16:26*	*1*
Trifluorotoluene (Surr)	*112*		*50 - 150*		*11/28/18 16:26*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/27/18 06:48	11/28/18 22:55	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/27/18 06:48	11/28/18 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*11/27/18 06:48*	*11/28/18 22:55*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 20:07	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/27/18 17:43	11/28/18 20:13	5

Client Sample ID: MW-4_17.40

Date Collected: 11/15/18 14:10
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/23/18 15:30	1
Benzene	ND		2.0		ug/L			11/23/18 15:30	1
Toluene	ND		2.0		ug/L			11/23/18 15:30	1
Ethylbenzene	ND		3.0		ug/L			11/23/18 15:30	1
m-Xylene & p-Xylene	ND		3.0		ug/L			11/23/18 15:30	1
o-Xylene	ND		2.0		ug/L			11/23/18 15:30	1
Xylenes, Total	ND		3.0		ug/L			11/23/18 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*99*		*80 - 120*		*11/23/18 15:30*	*1*
Toluene-d8 (Surr)	*102*		*75 - 125*		*11/23/18 15:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*11/23/18 15:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/23/18 15:30*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*11/23/18 15:30*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*50 - 150*		*11/28/18 16:57*	*1*
Trifluorotoluene (Surr)	*123*		*50 - 150*		*11/28/18 16:57*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**1000**		110		ug/L		11/27/18 06:48	11/29/18 23:39	1
Motor Oil (>C24-C36)	**1100**		350		ug/L		11/27/18 06:48	11/29/18 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*11/27/18 06:48*	*11/29/18 23:39*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 20:28	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/27/18 17:43	11/28/18 20:17	5

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: MW-8_16.66
Date Collected: 11/15/18 10:40
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/23/18 15:57	1
Benzene	ND		2.0		ug/L			11/23/18 15:57	1
Toluene	ND		2.0		ug/L			11/23/18 15:57	1
Ethylbenzene	ND		3.0		ug/L			11/23/18 15:57	1
m-Xylene & p-Xylene	ND		3.0		ug/L			11/23/18 15:57	1
o-Xylene	ND		2.0		ug/L			11/23/18 15:57	1
Xylenes, Total	ND		3.0		ug/L			11/23/18 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*100*		*80 - 120*		*11/23/18 15:57*	*1*
Toluene-d8 (Surr)	*102*		*75 - 125*		*11/23/18 15:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*11/23/18 15:57*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/23/18 15:57*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/23/18 15:57*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*50 - 150*		*11/28/18 17:28*	*1*
Trifluorotoluene (Surr)	*125*		*50 - 150*		*11/28/18 17:28*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**130**		110		ug/L		11/27/18 06:48	11/30/18 00:22	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/27/18 06:48	11/30/18 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*11/27/18 06:48*	*11/30/18 00:22*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 20:33	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/27/18 17:43	11/28/18 20:20	5

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: MW-9_17.71
Date Collected: 11/15/18 11:00
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/23/18 16:23	1
Benzene	ND		2.0		ug/L			11/23/18 16:23	1
Toluene	ND		2.0		ug/L			11/23/18 16:23	1
Ethylbenzene	ND		3.0		ug/L			11/23/18 16:23	1
m-Xylene & p-Xylene	ND		3.0		ug/L			11/23/18 16:23	1
o-Xylene	ND		2.0		ug/L			11/23/18 16:23	1
Xylenes, Total	ND		3.0		ug/L			11/23/18 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*11/23/18 16:23*	*1*
Toluene-d8 (Surr)	*102*		*75 - 125*		*11/23/18 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*11/23/18 16:23*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*11/23/18 16:23*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/23/18 16:23*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*50 - 150*		*11/28/18 17:59*	*1*
Trifluorotoluene (Surr)	*123*		*50 - 150*		*11/28/18 17:59*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**140**		110		ug/L		11/27/18 06:48	11/30/18 00:44	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/27/18 06:48	11/30/18 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*11/27/18 06:48*	*11/30/18 00:44*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 20:37	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/27/18 17:43	11/28/18 20:24	5

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: MW-10_16.14
Date Collected: 11/15/18 11:20
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/23/18 16:50	1
Benzene	ND		2.0		ug/L			11/23/18 16:50	1
Toluene	ND		2.0		ug/L			11/23/18 16:50	1
Ethylbenzene	ND		3.0		ug/L			11/23/18 16:50	1
m-Xylene & p-Xylene	ND		3.0		ug/L			11/23/18 16:50	1
o-Xylene	ND		2.0		ug/L			11/23/18 16:50	1
Xylenes, Total	ND		3.0		ug/L			11/23/18 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*11/23/18 16:50*	*1*
Toluene-d8 (Surr)	*102*		*75 - 125*		*11/23/18 16:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*11/23/18 16:50*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*11/23/18 16:50*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/23/18 16:50*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*50 - 150*		*11/28/18 19:01*	*1*
Trifluorotoluene (Surr)	*121*		*50 - 150*		*11/28/18 19:01*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**130**		110		ug/L		11/27/18 06:48	11/30/18 01:06	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/27/18 06:48	11/30/18 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*11/27/18 06:48*	*11/30/18 01:06*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 20:41	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/27/18 17:43	11/28/18 20:28	5

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: MW-11_17.42

Date Collected: 11/15/18 13:40
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/23/18 17:17	1
Benzene	ND		2.0		ug/L			11/23/18 17:17	1
Toluene	ND		2.0		ug/L			11/23/18 17:17	1
Ethylbenzene	ND		3.0		ug/L			11/23/18 17:17	1
m-Xylene & p-Xylene	ND		3.0		ug/L			11/23/18 17:17	1
o-Xylene	ND		2.0		ug/L			11/23/18 17:17	1
Xylenes, Total	ND		3.0		ug/L			11/23/18 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*95*		*80 - 120*		*11/23/18 17:17*	*1*
Toluene-d8 (Surr)	*101*		*75 - 125*		*11/23/18 17:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*11/23/18 17:17*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/23/18 17:17*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/23/18 17:17*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*50 - 150*		*11/28/18 19:32*	*1*
Trifluorotoluene (Surr)	*122*		*50 - 150*		*11/28/18 19:32*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**720**		110		ug/L		11/27/18 06:48	11/30/18 01:28	1
Motor Oil (>C24-C36)	**1100**		350		ug/L		11/27/18 06:48	11/30/18 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*50 - 150*	*11/27/18 06:48*	*11/30/18 01:28*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 20:45	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/27/18 17:43	11/28/18 20:31	5

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: MW-12_13.10

Date Collected: 11/15/18 12:20
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/23/18 17:43	1
Benzene	ND		2.0		ug/L			11/23/18 17:43	1
Toluene	ND		2.0		ug/L			11/23/18 17:43	1
Ethylbenzene	ND		3.0		ug/L			11/23/18 17:43	1
m-Xylene & p-Xylene	ND		3.0		ug/L			11/23/18 17:43	1
o-Xylene	ND		2.0		ug/L			11/23/18 17:43	1
Xylenes, Total	ND		3.0		ug/L			11/23/18 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*95*		*80 - 120*		*11/23/18 17:43*	*1*
Toluene-d8 (Surr)	*100*		*75 - 125*		*11/23/18 17:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*11/23/18 17:43*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/23/18 17:43*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*11/23/18 17:43*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*50 - 150*		*11/28/18 20:03*	*1*
Trifluorotoluene (Surr)	*124*		*50 - 150*		*11/28/18 20:03*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**630**		110		ug/L		11/27/18 06:48	11/30/18 01:49	1
Motor Oil (>C24-C36)	**570**		350		ug/L		11/27/18 06:48	11/30/18 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*11/27/18 06:48*	*11/30/18 01:49*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 20:50	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/27/18 17:43	11/28/18 20:35	5

Client Sample ID: B1 (JPHC)_13.50

Date Collected: 11/15/18 12:40
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/23/18 18:10	1
Toluene	**2.4**		2.0		ug/L			11/23/18 18:10	1
Ethylbenzene	**6.3**		3.0		ug/L			11/23/18 18:10	1
m-Xylene & p-Xylene	**7.5**		3.0		ug/L			11/23/18 18:10	1
o-Xylene	**43**		2.0		ug/L			11/23/18 18:10	1
Xylenes, Total	**51**		3.0		ug/L			11/23/18 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*89*		*80 - 120*		*11/23/18 18:10*	*1*
Toluene-d8 (Surr)	*99*		*75 - 125*		*11/23/18 18:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*11/23/18 18:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*11/23/18 18:10*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/23/18 18:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**130**		100		ug/L			11/26/18 17:01	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*98*		*80 - 120*		*11/26/18 17:01*	*50*
Toluene-d8 (Surr)	*101*		*75 - 125*		*11/26/18 17:01*	*50*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*11/26/18 17:01*	*50*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/26/18 17:01*	*50*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/26/18 17:01*	*50*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**2500**		250		ug/L			11/28/18 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*		*50 - 150*		*11/28/18 20:34*	*1*
Trifluorotoluene (Surr)	*128*		*50 - 150*		*11/28/18 20:34*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**5300**		110		ug/L		11/27/18 06:48	11/30/18 02:11	1
Motor Oil (>C24-C36)	**3000**		360		ug/L		11/27/18 06:48	11/30/18 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*50 - 150*	*11/27/18 06:48*	*11/30/18 02:11*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 20:54	5

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/27/18 17:43	11/28/18 20:38	5

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: Tripblank-1
Date Collected: 11/15/18 00:00
Date Received: 11/16/18 13:15

Lab Sample ID: 580-81986-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20		ug/L			11/23/18 13:17	1
Toluene	ND		0.20		ug/L			11/23/18 13:17	1
Ethylbenzene	ND		0.20		ug/L			11/23/18 13:17	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/23/18 13:17	1
o-Xylene	ND		0.50		ug/L			11/23/18 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*100*		*80 - 120*		*11/23/18 13:17*	*1*
Toluene-d8 (Surr)	*102*		*75 - 125*		*11/23/18 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*11/23/18 13:17*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/23/18 13:17*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*11/23/18 13:17*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*50 - 150*		*11/28/18 14:53*	*1*
Trifluorotoluene (Surr)	*125*		*50 - 150*		*11/28/18 14:53*	*1*

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

Lab Sample ID: MB 580-289523/7
Matrix: Water
Analysis Batch: 289523

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.30		ug/L			11/23/18 12:50	1
Benzene	ND		0.20		ug/L			11/23/18 12:50	1
Toluene	ND		0.20		ug/L			11/23/18 12:50	1
Ethylbenzene	ND		0.20		ug/L			11/23/18 12:50	1
m-Xylene & p-Xylene	ND		0.50		ug/L			11/23/18 12:50	1
o-Xylene	ND		0.50		ug/L			11/23/18 12:50	1
Xylenes, Total	ND		0.50		ug/L			11/23/18 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*102*		*80 - 120*		*11/23/18 12:50*	*1*
Toluene-d8 (Surr)	*101*		*75 - 125*		*11/23/18 12:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*11/23/18 12:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*11/23/18 12:50*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/23/18 12:50*	*1*

Lab Sample ID: LCS 580-289523/4
Matrix: Water
Analysis Batch: 289523

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	5.00	5.31		ug/L		106	80 - 127
Benzene	5.00	5.25		ug/L		105	73 - 133
Toluene	5.00	5.38		ug/L		108	80 - 126
Ethylbenzene	5.00	5.40		ug/L		108	74 - 138
m-Xylene & p-Xylene	5.00	5.27		ug/L		105	73 - 130
o-Xylene	5.00	5.55		ug/L		111	80 - 139
Xylenes, Total	10.0	10.8		ug/L		108	73 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*98*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 580-289523/5
Matrix: Water
Analysis Batch: 289523

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	5.00	5.55		ug/L		111	80 - 127	4	20
Benzene	5.00	5.27		ug/L		105	73 - 133	0	20
Toluene	5.00	5.42		ug/L		108	80 - 126	1	20
Ethylbenzene	5.00	5.49		ug/L		110	74 - 138	2	20
m-Xylene & p-Xylene	5.00	5.37		ug/L		107	73 - 130	2	20
o-Xylene	5.00	5.55		ug/L		111	80 - 139	0	20
Xylenes, Total	10.0	10.9		ug/L		109	73 - 139	1	20

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

Lab Sample ID: LCSD 580-289523/5
Matrix: Water
Analysis Batch: 289523

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*98*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 580-289619/7
Matrix: Water
Analysis Batch: 289619

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			11/26/18 14:47	1
Benzene	ND		2.0		ug/L			11/26/18 14:47	1
Toluene	ND		2.0		ug/L			11/26/18 14:47	1
Ethylbenzene	ND		3.0		ug/L			11/26/18 14:47	1
m-Xylene & p-Xylene	ND		3.0		ug/L			11/26/18 14:47	1
o-Xylene	ND		2.0		ug/L			11/26/18 14:47	1
Xylenes, Total	ND		3.0		ug/L			11/26/18 14:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*11/26/18 14:47*	*1*
Toluene-d8 (Surr)	*101*		*75 - 125*		*11/26/18 14:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*11/26/18 14:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/26/18 14:47*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/26/18 14:47*	*1*

Lab Sample ID: LCS 580-289619/4
Matrix: Water
Analysis Batch: 289619

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	5.00	5.71		ug/L		114	80 - 127
Benzene	5.00	5.19		ug/L		104	73 - 133
Toluene	5.00	5.35		ug/L		107	80 - 126
Ethylbenzene	5.00	5.38		ug/L		108	74 - 138
m-Xylene & p-Xylene	5.00	5.26		ug/L		105	73 - 130
o-Xylene	5.00	5.49		ug/L		110	80 - 139
Xylenes, Total	10.0	10.8		ug/L		108	73 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*98*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*

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

Lab Sample ID: LCSD 580-289619/5
Matrix: Water
Analysis Batch: 289619

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			5.00	5.27		ug/L		105	80 - 127	8	20
Benzene			5.00	5.22		ug/L		104	73 - 133	1	20
Toluene			5.00	5.46		ug/L		109	80 - 126	2	20
Ethylbenzene			5.00	5.53		ug/L		111	74 - 138	3	20
m-Xylene & p-Xylene			5.00	5.39		ug/L		108	73 - 130	2	20
o-Xylene			5.00	5.57		ug/L		111	80 - 139	1	20
Xylenes, Total			10.0	11.0		ug/L		110	73 - 139	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Trifluorotoluene (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*98*		*75 - 125*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-291363/6
Matrix: Water
Analysis Batch: 291363

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			11/28/18 13:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*50 - 150*		*11/28/18 13:20*	*1*
Trifluorotoluene (Surr)	*114*		*50 - 150*		*11/28/18 13:20*	*1*

Lab Sample ID: LCS 580-291363/7
Matrix: Water
Analysis Batch: 291363

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline			1000	1050		ug/L		105	79 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*50 - 150*
Trifluorotoluene (Surr)	*129*		*50 - 150*

Lab Sample ID: LCSD 580-291363/8
Matrix: Water
Analysis Batch: 291363

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	1110		ug/L		111	79 - 120	6	10

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-291363/8
Matrix: Water
Analysis Batch: 291363

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*50 - 150*
Trifluorotoluene (Surr)	*131*		*50 - 150*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-289694/1-A
Matrix: Water
Analysis Batch: 289844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 289694

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		11/27/18 06:48	11/28/18 18:54	1
Motor Oil (>C24-C36)	ND		350		ug/L		11/27/18 06:48	11/28/18 18:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*11/27/18 06:48*	*11/28/18 18:54*	*1*

Lab Sample ID: LCS 580-289694/2-A
Matrix: Water
Analysis Batch: 289844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 289694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1630		ug/L		81	50 - 120
Motor Oil (>C24-C36)	2000	2030		ug/L		101	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*92*		*50 - 150*

Lab Sample ID: LCSD 580-289694/3-A
Matrix: Water
Analysis Batch: 289844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 289694

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1760		ug/L		88	50 - 120	8	26
Motor Oil (>C24-C36)	2000	2070		ug/L		103	64 - 120	2	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*85*		*50 - 150*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 580-289671/22-A
Matrix: Water
Analysis Batch: 289793

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 289671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		11/26/18 16:23	11/27/18 18:43	5

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-289671/23-A
Matrix: Water
Analysis Batch: 289793

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 289671

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	872		ug/L		87	80 - 120		

Lab Sample ID: LCSD 580-289671/24-A
Matrix: Water
Analysis Batch: 289793

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 289671

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1000	881		ug/L		88	80 - 120	1	20

Lab Sample ID: MB 580-289679/12-C
Matrix: Water
Analysis Batch: 289888

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 289790

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.80		ug/L		11/27/18 17:43	11/28/18 16:32	1

Lab Sample ID: LCS 580-289679/13-C
Matrix: Water
Analysis Batch: 289888

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 289790

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	1050		ug/L		105	80 - 120		

Lab Sample ID: LCSD 580-289679/14-C
Matrix: Water
Analysis Batch: 289888

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 289790

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1000	1050		ug/L		105	80 - 120	0	20

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: MW-2_8.93

Lab Sample ID: 580-81986-1
Matrix: Water
Date Collected: 11/15/18 13:30
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 15:03	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 16:26	JSM	TAL SEA
Total/NA	Prep	3510C			289694	11/27/18 06:48	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289844	11/28/18 22:55	Z1R	TAL SEA
Dissolved	Filtration	FILTRATION			289679	11/26/18 17:44	T1H	TAL SEA
Dissolved	Prep	3005A			289790	11/27/18 17:43	T1H	TAL SEA
Dissolved	Analysis	6020A		5	289888	11/28/18 20:13	FCW	TAL SEA
Total Recoverable	Prep	3005A			289671	11/26/18 16:23	T1H	TAL SEA
Total Recoverable	Analysis	6020A		5	289793	11/27/18 20:07	FCW	TAL SEA

Client Sample ID: MW-4_17.40

Lab Sample ID: 580-81986-2
Matrix: Water
Date Collected: 11/15/18 14:10
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 15:30	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 16:57	JSM	TAL SEA
Total/NA	Prep	3510C			289694	11/27/18 06:48	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289946	11/29/18 23:39	TL1	TAL SEA
Dissolved	Filtration	FILTRATION			289679	11/26/18 17:44	T1H	TAL SEA
Dissolved	Prep	3005A			289790	11/27/18 17:43	T1H	TAL SEA
Dissolved	Analysis	6020A		5	289888	11/28/18 20:17	FCW	TAL SEA
Total Recoverable	Prep	3005A			289671	11/26/18 16:23	T1H	TAL SEA
Total Recoverable	Analysis	6020A		5	289793	11/27/18 20:28	FCW	TAL SEA

Client Sample ID: MW-8_16.66

Lab Sample ID: 580-81986-3
Matrix: Water
Date Collected: 11/15/18 10:40
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 15:57	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 17:28	JSM	TAL SEA
Total/NA	Prep	3510C			289694	11/27/18 06:48	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289946	11/30/18 00:22	TL1	TAL SEA
Dissolved	Filtration	FILTRATION			289679	11/26/18 17:44	T1H	TAL SEA
Dissolved	Prep	3005A			289790	11/27/18 17:43	T1H	TAL SEA
Dissolved	Analysis	6020A		5	289888	11/28/18 20:20	FCW	TAL SEA
Total Recoverable	Prep	3005A			289671	11/26/18 16:23	T1H	TAL SEA
Total Recoverable	Analysis	6020A		5	289793	11/27/18 20:33	FCW	TAL SEA

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: MW-9_17.71

Lab Sample ID: 580-81986-4

Date Collected: 11/15/18 11:00
Matrix: Water
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 16:23	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 17:59	JSM	TAL SEA
Total/NA	Prep	3510C			289694	11/27/18 06:48	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289946	11/30/18 00:44	TL1	TAL SEA
Dissolved	Filtration	FILTRATION			289679	11/26/18 17:44	T1H	TAL SEA
Dissolved	Prep	3005A			289790	11/27/18 17:43	T1H	TAL SEA
Dissolved	Analysis	6020A		5	289888	11/28/18 20:24	FCW	TAL SEA
Total Recoverable	Prep	3005A			289671	11/26/18 16:23	T1H	TAL SEA
Total Recoverable	Analysis	6020A		5	289793	11/27/18 20:37	FCW	TAL SEA

Client Sample ID: MW-10_16.14

Lab Sample ID: 580-81986-5

Date Collected: 11/15/18 11:20
Matrix: Water
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 16:50	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 19:01	JSM	TAL SEA
Total/NA	Prep	3510C			289694	11/27/18 06:48	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289946	11/30/18 01:06	TL1	TAL SEA
Dissolved	Filtration	FILTRATION			289679	11/26/18 17:44	T1H	TAL SEA
Dissolved	Prep	3005A			289790	11/27/18 17:43	T1H	TAL SEA
Dissolved	Analysis	6020A		5	289888	11/28/18 20:28	FCW	TAL SEA
Total Recoverable	Prep	3005A			289671	11/26/18 16:23	T1H	TAL SEA
Total Recoverable	Analysis	6020A		5	289793	11/27/18 20:41	FCW	TAL SEA

Client Sample ID: MW-11_17.42

Lab Sample ID: 580-81986-6

Date Collected: 11/15/18 13:40
Matrix: Water
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 17:17	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 19:32	JSM	TAL SEA
Total/NA	Prep	3510C			289694	11/27/18 06:48	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289946	11/30/18 01:28	TL1	TAL SEA
Dissolved	Filtration	FILTRATION			289679	11/26/18 17:44	T1H	TAL SEA
Dissolved	Prep	3005A			289790	11/27/18 17:43	T1H	TAL SEA
Dissolved	Analysis	6020A		5	289888	11/28/18 20:31	FCW	TAL SEA
Total Recoverable	Prep	3005A			289671	11/26/18 16:23	T1H	TAL SEA
Total Recoverable	Analysis	6020A		5	289793	11/27/18 20:45	FCW	TAL SEA

Lab Chronicle

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Client Sample ID: MW-12_13.10

Lab Sample ID: 580-81986-7

Date Collected: 11/15/18 12:20
Matrix: Water
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 17:43	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 20:03	JSM	TAL SEA
Total/NA	Prep	3510C			289694	11/27/18 06:48	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289946	11/30/18 01:49	TL1	TAL SEA
Dissolved	Filtration	FILTRATION			289679	11/26/18 17:44	T1H	TAL SEA
Dissolved	Prep	3005A			289790	11/27/18 17:43	T1H	TAL SEA
Dissolved	Analysis	6020A		5	289888	11/28/18 20:35	FCW	TAL SEA
Total Recoverable	Prep	3005A			289671	11/26/18 16:23	T1H	TAL SEA
Total Recoverable	Analysis	6020A		5	289793	11/27/18 20:50	FCW	TAL SEA

Client Sample ID: B1 (JPHC)_13.50

Lab Sample ID: 580-81986-8

Date Collected: 11/15/18 12:40
Matrix: Water
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 18:10	TL1	TAL SEA
Total/NA	Analysis	8260C	DL	50	289619	11/26/18 17:01	CJ	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 20:34	JSM	TAL SEA
Total/NA	Prep	3510C			289694	11/27/18 06:48	KO	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	289946	11/30/18 02:11	TL1	TAL SEA
Dissolved	Filtration	FILTRATION			289679	11/26/18 17:44	T1H	TAL SEA
Dissolved	Prep	3005A			289790	11/27/18 17:43	T1H	TAL SEA
Dissolved	Analysis	6020A		5	289888	11/28/18 20:38	FCW	TAL SEA
Total Recoverable	Prep	3005A			289671	11/26/18 16:23	T1H	TAL SEA
Total Recoverable	Analysis	6020A		5	289793	11/27/18 20:54	FCW	TAL SEA

Client Sample ID: Tripblank-1

Lab Sample ID: 580-81986-9

Date Collected: 11/15/18 00:00
Matrix: Water
Date Received: 11/16/18 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289523	11/23/18 13:17	TL1	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	291363	11/28/18 14:53	JSM	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Laboratory: TestAmerica Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C553	02-17-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020A	3005A	Water	Lead
8260C		Water	Xylenes, Total

Sample Summary

Client: Antea USA, Inc.
Project/Site: BP -ARCO 980

TestAmerica Job ID: 580-81986-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-81986-1	MW-2_8.93	Water	11/15/18 13:30	11/16/18 13:15
580-81986-2	MW-4_17.40	Water	11/15/18 14:10	11/16/18 13:15
580-81986-3	MW-8_16.66	Water	11/15/18 10:40	11/16/18 13:15
580-81986-4	MW-9_17.71	Water	11/15/18 11:00	11/16/18 13:15
580-81986-5	MW-10_16.14	Water	11/15/18 11:20	11/16/18 13:15
580-81986-6	MW-11_17.42	Water	11/15/18 13:40	11/16/18 13:15
580-81986-7	MW-12_13.10	Water	11/15/18 12:20	11/16/18 13:15
580-81986-8	B1 (JPHC)_13.50	Water	11/15/18 12:40	11/16/18 13:15
580-81986-9	Tripblank-1	Water	11/15/18 00:00	11/16/18 13:15

Loc: 580
81986

580-81986 Chain of Custody

Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 1 of 2

BP Site Node Path: ARCO 980 **Req Due Date (mm/dd/yy):** Standard TAT Rush TAT Yes ____ No X

BP/RM Facility No: ARCO Facility No. 00980 **Lab Work Order Number:**

Lab Name: Test America	BP/ARC Facility Address:	Consultant/Contractor: Antea Group
Lab Address: 5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code:	Consultant/Contractor Project No: 00980SA181.20100
Lab PM: Elaine Walker	Lead Regulatory Agency:	Address: 2006 148th Ave NE, Redmond, WA 98052
Lab Phone: 253.248.4972	California Global ID No.:	Consultant/Contractor PM: Eric Sanchez
Lab Shipping Accnt: NA	Enfos Proposal No: 009VH-0006/WR321243	Phone: 425-498-7717 Email: Eric.Sanchez@anteagroup.com
Lab Bottle Order No: NA	Accounting Mode: Provision ___X___ OOC-BU _____ OOC-RM _____	Send/Submit EDD to: Eric.Sanchez@anteagroup.com
Other Info: elaine.walker@testamericainc.com	Stage 2_Select (20) Activity Additional Data Collection (100)	Invoice To: BP-RM _____ BP/ARC ___X___
BP/RM PM: Wade Melton	**Sample Details**	**Requested Analyses**
PM Phone: 360-594-7978		
PM Email: wade.melton@bp.com		

Report Type & QC Level: Limited (Standard) Package ____ Limited Plus Package ____ Full Package ____

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Filt	Pres	Analysis	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	Comments
	MW-2 _ 8.93	11/15/18	1330	W				G	10				X	X	X	X	X	X	
	MW-4 _ 17.40	11/15/18	1410	W				G	10				X	X	X	X	X	X	
	MW-8 _ 16.66	11/15/18	1040	W				G	10				X	X	X	X	X	X	
	MW-9 _ 17.71	11/15/18	1100	W				G	10				X	X	X	X	X	X	
	MW-10 _ 16.14	11/15/18	1130	W				G	10				X	X	X	X	X	X	
	MW-11 _ 17.42	11/15/18	1340	W				G	10				X	X	X	X	X	X	
	MW-12 _ 13.10	11/15/18	1220	W				G	10				X	X	X	X	X	X	

Therm. ID: A2 Cor: 0.6 ° Unc: 0.3 °
Cooler Dsc: by Graves
Packing: Bubble
Cust. Seal: Yes Y No ____
Blue Ice, Wet, Dry, None
FedEx: ____
UPS: ____
Lab Cour: Y
Other: ____

Sampler's Name: Marissa Bernard	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Antea Group	Marissa Bernard / Antea	11/16/18	1315	[illegible] / THERM	11/16/18	1315
Ship Method: Ship Date:						
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

Proprietary and Confidential
Property of BP and its Affiliates

Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

Page 1 of 1

BP Site Node Path: ARCO 980 | Req Due Date (mm/dd/yy): Standard TAT | Rush TAT Yes ____ No X

BP/RM Facility No: ARCO Facility No. 00980 | Lab Work Order Number:

Lab Name: Test America	BP/ARC Facility Address:	Consultant/Contractor:	Antea Group
Lab Address: 5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code:	Consultant/Contractor Project No:	00980SA181.20100
Lab PM: Elaine Walker	Lead Regulatory Agency:	Address:	2006 148th Ave NE, Redmond, WA 98052
Lab Phone: 253.248.4972	California Global ID No.:	Consultant/Contractor PM:	Eric Sanchez
Lab Shipping Accnt: NA	Enfos Proposal No: 009VH-0006/WR321243	Phone: 425-498-7717 Email:	Eric.Sanchez@anteagroup.com
Lab Bottle Order No: NA	Accounting Mode: Provision ___X__ OOC-BU _____ OOC-RM _____	Send/Submit EDD to:	Eric.Sanchez@anteagroup.com
Other Info: elaine.walker@testamericainc.com	Stage 2_Select (20) Activity Additional Data Collection (100)	Invoice To:	BP-RM _____ BP/ARC ___X___
BP/RM PM: Wade Melton			
PM Phone: 360-594-7978			
PM Email: wade.melton@bp.com			

Report Type & QC Level: Limited (Standard) Package ____ Limited Plus Package ____ Full Package ____

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Filt	Pres	Analysis	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	Comments
	B1 (JPHC) _13.50	11/15/18	1240	W				G	10				X	X	X	X	X	X	
	B3 (JPHC)			W				G					X	X	X	X	X	X	MS
	Dup-1			W				G					X	X	X	X	X	X	MSD
	Tripblank-1	11/15/18	0000	W					6				X		X				

Sampler's Name: Marissa Bernard	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Antea Group	Marissa Bernard / Antea	11/16/18	1315	TASEM	11/16/18	1315
Ship Method: Ship Date:						
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP LaMP Soil/H2O COC July 2018

Proprietary and Confidential
Property of BP and its Affiliates

Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-81986-1

Login Number: 81986
List Number: 1
Creator: Gall, Brandon A

List Source: TestAmerica Seattle

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

January 16, 2019

Antea USA, Inc.
4006 148th Ave NE
Redmond, WA 98052

RE: Alternative Detector used for TPH Quantitation

Dear Megan Richard:

It is the policy of TestAmerica to conduct its business with honesty and integrity, to produce accurate and usable environmental analytical test results and related services and to provide the best possible service to our clients. As such, we routinely conduct internal data reviews to assess our adherence to method requirements and Quality Assurance protocols. If any issues are noted during these reviews that impact the quality of data, we will notify affected clients and correct the issue.

During a recent internal data review, TestAmerica Seattle discovered that a dual detector instrument configured with a Photoionization Detector (PID) and a Flame Ionization Detector (FID) was using the incorrect detector for quantitation of TPH by Method NWTPH-Gx. The PID is typically used for analysis of aromatic compounds, such as BTEX, while the FID is a non-selective detector used for analysis of gasoline range petroleum hydrocarbon compounds. The PID detects many of the components of gasoline, but is more selective. The instrument was collecting data from both detectors, but due to a software configuration issue, the data from the PID detector was being displayed as the primary detector, and it was not clearly indicated on the reported data which detector was being used for quantitation. All QC passed on the PID, however re-evaluation of the data on the FID indicated a potential low bias based on low percent difference (%D) of one of the initial calibration verifications (ICVs) and some of the continuing calibration verifications (CCVs). A summary of the compared results, are available below. A summary of the compared results, are available below.

TestAmerica is providing you this summary, and may provide a revised report to reflect results using the FID, as requested.

Project	Sample ID	Client ID	Reported PID Result	FID Result	Units
BP -ARCO 980	580-81986-F-1	MW-2_8.93	ND	ND	ug/L
BP -ARCO 980	580-81986-F-2	MW-4_17.40	ND	ND	ug/L
BP -ARCO 980	580-81986-F-3	MW-8_16.66	ND	ND	ug/L
BP -ARCO 980	580-81986-F-4	MW-9_17.71	ND	ND	ug/L
BP -ARCO 980	580-81986-F-5	MW-10_16.14	ND	ND	ug/L
BP -ARCO 980	580-81986-F-6	MW-11_17.42	ND	ND	ug/L
BP -ARCO 980	580-81986-F-7	MW-12_13.10	ND	ND	ug/L
BP -ARCO 980	580-81986-G-8	B1 (JPHC)_13.50	2400	2500	ug/L
BP -ARCO 980	580-81986-B-9	Tripblank-1	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-1	MW-2_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-4	MW-5_20181127	ND	ND	ug/L

BP - OPLC - Castle Rock	580-82200-A-5	MW-6_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-6	MW-7_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-7	MW-8_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-B-8	MW-9_20181127	1100	1100	ug/L
BP - OPLC - Castle Rock	580-82200-A-9	MW-10_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-10	MW-11_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-11	MW-12_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-12	RW-1_20181127	7900	8000	ug/L
BP - OPLC - Castle Rock	580-82200-A-13	Utility Well_20181127	ND	ND	ug/L
BP - OPLC - Castle Rock	580-82200-A-15	Trip Blank -1	ND	ND	ug/L
BP -ARCO 980	580-82158-D-1-A	GSG-4-5	ND	ND	mg/Kg
BP-ARCO 00980	580-80301-E-5	MW-10-16.81	ND	ND	ug/L
BP-ARCO 00980	580-80301-E-6	MW-11-17.96	ND	ND	ug/L
BP-ARCO 00980	580-80301-E-7	MW-12-13.57	ND	ND	ug/L
BP-ARCO 00980	580-80301-E-8	B1 (JPHC)-14.02	1500	1600	ug/L
BP-ARCO 00980	580-80301-E-9	B3 (JPHC)-15.18	ND	ND	ug/L
BP-ARCO 00980	580-80301-E-10	Dup-1	1100	1200	ug/L
BP-ARCO 00980	580-80301-E-11	Tripblank-1	ND	ND	ug/L
BP - ARCO 818	580-80367-D-1	MW-1_14.69	ND	ND	ug/L
BP - ARCO 818	580-80367-D-2	MW-2_12.35	ND	ND	ug/L
BP - ARCO 818	580-80367-E-3	MW-3_15.36	46000	37000	ug/L
BP - ARCO 818	580-80367-D-4	MW-4_16.74	ND	ND	ug/L
BP - ARCO 818	580-80367-E-5	MW-5_19.90	ND	ND	ug/L
BP - ARCO 818	580-80367-H-6	MW-6_17.09	ND	ND	ug/L
BP - ARCO 818	580-80367-F-7	MW-7_23.11	ND	ND	ug/L
BP - ARCO 818	580-80367-D-8	MW-8_23.24	ND	ND	ug/L
BP - ARCO 818	580-80367-G-9	MW-9_17.01	ND	ND	ug/L
BP - ARCO 818	580-80367-C-10	Tripblank-1	ND	ND	ug/L
BP - ARCO 5243	580-80698-B-2	MW-2_11.43	ND	ND	ug/L
BP - ARCO 5243	580-80698-B-3	MW-3_9.85	ND	ND	ug/L
BP - ARCO 5243	580-80698-B-4	MW-4_6.82	1100	710	ug/L
BP - ARCO 5243	580-80698-B-5	MW-5_6.56	ND	ND	ug/L

BP - ARCO 5243	580-80698-B-6	MW-6_7.18	1400	900	ug/L
BP - ARCO 5243	580-80698-B-7	MW-7_6.35	1600	1020	ug/L
BP - ARCO 5243	580-80698-B-8	MW-8_7.64	2200	1400	ug/L
BP - ARCO 5243	580-80698-B-9	MW-9_8.10	690	450	ug/L
BP - ARCO 5243	580-80698-B-10	MW-10_8.48	2600	1700	ug/L
BP - ARCO 5243	580-80698-B-11	MW-11_9.16	ND	ND	ug/L
BP - ARCO 5243	580-80698-C-12	VE-1_6.31	2200	2100	ug/L
BP - ARCO 5243	580-80698-B-13	GWE-1_6.88	ND	ND	ug/L
BP - ARCO 5243	580-80698-B-15	Tripblank-1	ND	ND	ug/L
BP - ARCO 5243	580-80698-C-14	Dup-1	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-A-1	OPL-W-1_20180927	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-B-2	OPL-W-2_20180927	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-B-3	OPL-W-3_20180927	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-B-4	OPL-W-4_20180927	3300	3100	ug/L
BP - OPLC - Tacoma DF	580-80802-C-5	OPL-W-6_20180927	ND	ND	ug/L
BP - OPLC - Tacoma DF	580-80802-B-6	OPL-W-7_20180927	6800	6100	ug/L
BP - OPLC - Tacoma DF	580-80802-B-7	Trip Blank-1	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-1	MW-1_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-2	MW-3_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-3	MW-4_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-4	MW-5_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-5	MW-6_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-6	MW-7_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-7	MW-8_20181009	610	580	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-8	MW-9_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-B-9	MW-10_20181009	ND	ND	ug/L
BP - OPLC - Whatcom Creek	580-81076-D-10	MW-11_20181009	ND	ND	ug/L

TestAmerica has corrected the software configuration, and is implementing additional review measures for instrument configuration to avoid such an occurrence in the future. TestAmerica regrets the inconvenience that has resulted from this issue. However, it is our policy to always be proactive in correcting errors, performing internal critical reviews and forthrightly reporting the results. We look forward to continuing our relationship and stand by our commitment of providing high quality data and service.

If you have questions or need further information please feel free to contact me at the laboratory (253-248-4968) or at email Terri.Torres@TestAmericinc.com.

Sincerely,

Terri Torres
Quality Assurance Manager