



## 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

October 24, 2018

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 – First Half of 2018, that documents the results at ARCO Facility No. 980 located at 10822 Roosevelt Way NE, Seattle, Washington.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Wade Melton', written over a light blue rectangular background.

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

cc: Mr. Michael Dahlstrom, Owner - Caribbean Apartments (Electronic Copy)  
Mr. Joshua Pope, Montgomery Purdue Blankinship & Austin, PLLC (Electronic Copy)  
File, Antea Group

# **SEMI-ANNUAL GROUNDWATER MONITORING REPORT**

*First Half of 2018*

*ARCO Facility No. 980*

*10822 Roosevelt Way NE, Seattle, WA*

*Antea® Group Project No. 00980SA181*

*October 24, 2018*

***Remediation Management Services Company***

An affiliate of Atlantic Richfield Company

4 Centerpointe Drive, Suite 200

Room LPR-4-222

La Palma, CA 90623

*Prepared by:*

***Antea Group***

4006 148<sup>th</sup> Avenue NE

Redmond, WA 98052

800 477 7411

**SEMI-ANNUAL GROUNDWATER MONITORING REPORT**  
**First Half of 2018**  
**October 24, 2018**

**ARCO Facility No.:** 980

**Address:** 10822 Roosevelt Way NE, Seattle, WA

**Atlantic Richfield Project Manager:** Wade Melton

**Consulting Co. /Contact Person:** Antea Group / Eric Sanchez

**Consultant Project Number:** 00980SA181

**Primary Agency/Regulatory FS ID No.:** Washington State Department of Ecology / 68996432

**WORK PERFORMED DURING FIRST HALF OF 2018:**

- Antea Group conducted semi-annual groundwater sampling on February 8, 2018.
- Antea Group conducted periodic visits to monitor IW-1 for the presence of LNAPL.
- Antea Group prepared this semi-annual groundwater monitoring report.

**WORK SCHEDULED FOR SECOND HALF OF 2018:**

- Antea Group will conduct semi-annual groundwater monitoring and sampling.
- Antea Group will conduct periodic visits to monitor IW-1 for the presence of LNAPL.
- Antea Group will conduct a soil vapor investigation.
- Antea Group will prepare a semi-annual groundwater monitoring report.

Current Phase of Project:	<b>Monitoring</b>
Frequency of Groundwater Sampling and Monitoring:	<b>Semi-Annual</b>
Are LPH Present On-Site/Off-Site:	<b>Yes - Periodic</b>
LPH Recovered this Reporting Period:	<b>None</b>
Cumulative LPH Recovered to Date:	<b>Less than one gallon</b>
Amount of Soil Removed to Date:	<b>NA</b>
Current Remediation Techniques:	<b>Natural Attenuation, Passive Recovery</b>
Approximate Depth to Groundwater:	<b>7.73 to 14.45 ft.</b>
Groundwater Gradient:	<b>Southeast</b>
	<b>0.09 ft./linear ft.</b>

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

Marissa Bernard  
Staff Professional

Date: October 24, 2018

Reviewed by:

MR

Megan Richard, LG  
Project Manager



Date: October 24, 2018

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

## ***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 – 2/8/2018

### ***Appendix***

Appendix A	Analytical Lab Reports and Chain-of-Custody Documentation
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## ***Tables***

Table 1	Groundwater Gauging Data
Table 2	Groundwater Analytical Data

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt 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	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	12/6/2005	--	1.64	NP	--	--	--
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	--	--	--



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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	10/5/1994	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	--
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	--

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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	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	--
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	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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-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	--	--	--

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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	--	--	--
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	--	--	--

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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	10/5/1994	--	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	--	--	--
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	--

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt 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	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	--
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	--

Table 1  
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10822 Roosevelt Way NE  
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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	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-5	10/5/1994	--	19.20	NP	--	--	--
MW-5	2/15/1995	--	16.20	NP	--	--	--
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	--

Table 1  
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10822 Roosevelt 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	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	--
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	--



Table 1  
Groundwater Gauging Data  
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10822 Roosevelt 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	12/14/2015	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-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

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt 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	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	--	--	--
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	--	--	--

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt 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	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	--	--	--
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	--	--	--

Table 1  
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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	4/7/2004	--	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	--	--	--
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	--	--	--

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt Way NE  
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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	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	--
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	--

Table 1  
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10822 Roosevelt Way NE  
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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	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	--
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	--

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt 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	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-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	--
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	--

Table 1  
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ARCO Facility 980  
10822 Roosevelt 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	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	--
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	--



Table 1  
Groundwater Gauging Data  
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10822 Roosevelt Way NE  
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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	1/20/2015	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-10	10/5/1994	256.56	17.52	NP	--	239.04	--
MW-10	2/15/1995	256.56	14.70	NP	--	241.86	--
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	--

Table 1  
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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	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	--
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	--

Table 1  
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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	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-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	--

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt Way NE  
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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	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	--
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	--

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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	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	--
MW-11	2/8/2018	261.85	14.45	NP	--	247.40	--
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	--

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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	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	--
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	--

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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	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	--
MW-12	10/17/2017	257.84	13.60	NP	--	244.24	--
MW-12	2/8/2018	257.84	9.87	NP	--	247.97	--
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	--	--	--

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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	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	--	--	--
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	--	--	--



Table 1  
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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	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	--	--	--
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	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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	--	--	--
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	--	--	--

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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	--	--	--
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	--	--	--

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt Way NE  
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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-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	--	--	--
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	--	--	--

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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	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	--	--	--
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	--	--	--

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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	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	--	--	--
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	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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
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	--	--	--

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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	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	--	--	--
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	--	--	--



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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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	--	--	--
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	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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	--	--	--
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	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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	--	--	--
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	--	--	--

Table 1  
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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	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	--	--	--
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	--	--	--

Table 1  
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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	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	--	--	--
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	--	--	--

Table 1  
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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)	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	--
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	--

Table 1  
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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)	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	--
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	--

Table 1  
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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)	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	--
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
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	--



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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)	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	--
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	--

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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)	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	--
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-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	--	--	--
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-3	3/10/2017	--	10.55	NP	--	--	--
IW-3	3/17/2017	--	9.80	NP	--	--	--

Table 1  
Groundwater Gauging Data  
ARCO Facility 980  
10822 Roosevelt 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-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-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	--	--	--

**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 Roosevelt 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 <sup>1</sup>	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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
MW-1	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
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	<b>10100</b>	<b>29100</b>	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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	3/29/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/22/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	9/12/2005	--	--	--	--	--	--	--	--	--	--	--	--
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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
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	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
MW-2	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	6/27/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	9/26/2001	--	--	--	--	--	--	--	--	--	--	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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	9/29/2006	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/19/2006	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--
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

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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 <sup>1</sup>	500	500	15	NE
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	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/30/1998	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	--	--	--	--
MW-3	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/27/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	9/26/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/3/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/6/2002	--	--	--	--	--	--	--	--	--	--	--	--
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	3/29/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	6/22/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	9/12/2005	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--
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	--	--

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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 <sup>1</sup>	500	500	15	NE
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
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

Table 2  
Groundwater Analytical Data  
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10822 Roosevelt 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 <sup>1</sup>	500	500	15	NE
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	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
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	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
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	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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	3/29/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	6/22/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	9/12/2005	--	--	--	--	--	--	--	--	--	--	--	--
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	9/29/2006	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/19/2006	--	--	--	--	--	--	--	--	--	--	--	--
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



Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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 <sup>1</sup>	500	500	15	NE
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
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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
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	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
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	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	6/27/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	9/26/2001	--	--	--	--	--	--	--	--	--	--	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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	3/29/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	6/22/2005	--	--	--	--	--	--	--	--	--	--	--	--
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	9/29/2006	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/19/2006	--	--	--	--	--	--	--	--	--	--	--	--
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

Table 2  
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ARCO Facility 980  
10822 Roosevelt Way NE  
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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 <sup>1</sup>	500	500	15	NE	
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	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
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	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--
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	12/3/2001	--	--	--	--	--	--	--	--	--	--	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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	3/29/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	6/22/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	9/12/2005	--	--	--	--	--	--	--	--	--	--	--	--
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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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 <sup>1</sup>	500	500	15	NE
MW-8	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
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	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/20/1999	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	--	--	--	--
MW-8	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	6/27/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	9/26/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/3/2001	--	--	--	--	--	--	--	--	--	--	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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	3/29/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	6/22/2005	--	--	--	--	--	--	--	--	--	--	--	--
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
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

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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 <sup>1</sup>	500	500	15	NE	
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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/30/1998	< 0.5 JB	< 0.5 JB	< 0.5 JB	< 1.0 JB	--	--	--	< 50 JB	< 250 JB	--	--	--
MW-9	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/20/1999	< 0.500 JB	< 0.500 JB	< 0.500 JB	< 1.00 JB	--	--	--	< 50.0 JB	--	--	--	--
MW-9	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
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	12/3/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/6/2002	--	--	--	--	--	--	--	--	--	--	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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	3/29/2005	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	6/22/2005	--	--	--	--	--	--	--	--	--	--	--	--
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	< 0.14 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

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt Way NE  
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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 <sup>1</sup>	500	500	15	NE
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-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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	--	--	--
MW-10	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-10	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	6/27/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	9/26/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	12/3/2001	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	6/6/2002	--	--	--	--	--	--	--	--	--	--	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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

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10822 Roosevelt 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 <sup>1</sup>	500	500	15	NE
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-11	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	15000	24900	--	--
MW-11	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--
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	< 1.0	< 1.0
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	--	--

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
MW-11	3/10/2016	0.035 J	< 0.025	< 0.030	< 0.060	< 0.025	--	--	41 J	420	<b>700</b>	--	--
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	<b>930</b>	<b>1300</b>	< 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	<b>670</b>	< 4.0	< 4.0
MW-11	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	<b>740</b>	<b>760</b>	< 4.0	< 4.0
MW-11	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	<b>660</b>	<b>1400</b>	< 4.0	< 4.0
MW-12	7/11/1996	<b>624</b>	174	41.6	164	--	--	--	<b>2620</b>	<b>618</b>	--	--	--
MW-12	10/10/1996	<b>264</b>	2.98	3.23	60.4	--	--	--	<b>1720</b>	< 250	< 750	--	--
MW-12	3/11/1997	4.02	1.01	< 0.5	9.94	--	--	--	541	402	< 750	--	--
MW-12	5/29/1997	<b>31.1</b>	0.530	< 0.5	16.7	--	--	--	<b>2100</b>	<b>1460</b>	<b>2500</b>	--	--
MW-12	8/5/1997	<b>193</b>	5.16	5.19	87.9	--	--	--	<b>2010</b>	<b>712</b>	< 750	--	--
MW-12	10/23/1997	<b>71.7</b>	< 0.5	< 0.5	5.78	--	--	--	358	<b>996</b>	<b>1840</b>	--	--
MW-12	3/11/1998	<b>204</b>	9.30	< 1.0	18	--	--	--	398	< 250	< 750	--	--
MW-12	6/30/1998	<b>134</b>	< 2.50	< 5.00	< 30.0	--	--	--	<b>8070</b>	289	--	--	--
MW-12	12/29/1998	<b>85.9</b>	< 1.0	< 1.0	5.80	--	--	--	313	< 250	< 750	--	--
MW-12	3/9/1999	<b>62.1</b>	1.71	< 3.0	< 41.0	--	--	--	<b>6920</b>	<b>770</b>	<b>1810</b>	--	--
MW-12	6/27/2001	<b>2920</b>	452	275	<b>1360</b>	<b>350</b>	--	--	<b>33600</b>	<b>679</b>	< 750	--	--
MW-12	9/26/2001	<b>619</b>	<b>1380</b>	<b>966</b>	<b>6890</b>	< 50.0	--	--	<b>3630000</b>	<b>23900</b>	<b>37800</b>	--	--
MW-12	12/3/2001	<b>4180</b>	323	315	<b>1580</b>	<b>386</b>	--	--	<b>27600</b>	<b>4450</b>	<b>7690</b>	--	--
MW-12	6/26/2003	<b>712</b>	878	258	<b>1780</b>	< 20.0	--	--	<b>17000</b>	<b>62300</b>	<b>87100</b>	<b>315</b>	4.93
MW-12	12/9/2003	<b>2520</b>	338	142	<b>1320</b>	<b>114</b>	--	--	<b>18000</b>	<b>2730</b>	<b>4960</b>	4.77	4.84
MW-12	4/7/2004	<b>641</b>	655	201	<b>1590</b>	< 10.0	--	--	<b>19200</b>	<b>204000</b>	<b>314000</b>	<b>536</b>	8.61
MW-12	11/16/2004	<b>757</b>	<b>1230</b>	283	<b>2090</b>	< 20.0	--	--	<b>25800</b>	<b>111000</b>	<b>27800</b>	9.64	2.92
MW-12	3/29/2005	<b>462</b>	655	250	<b>2470</b>	< 40.0	< 0.010	< 10.0	<b>18600</b>	<b>2150000</b>	<b>590000</b>	<b>313</b>	--
MW-12	6/22/2005	<b>1190</b>	434	350	<b>2320</b>	< 20.0	--	--	<b>102000</b>	<b>26900</b>	<b>8180</b>	<b>38</b>	3.61
MW-12	9/12/2005	<b>758</b>	631	250	<b>1480</b>	< 2.00	--	--	<b>12900</b>	<b>242000</b>	<b>561000</b>	<b>37.5</b>	4.64
MW-12	12/6/2005	<b>481</b>	<b>1480</b>	<b>1560</b>	<b>11600</b>	< 100	--	--	<b>18800</b>	<b>145000</b>	<b>290000</b>	<b>76.3</b>	12
MW-12	6/5/2006	<b>721</b>	61.8	190	<b>1170</b>	< 20.0	--	--	<b>11400</b>	<b>14300</b>	<b>27700</b>	3.23	1.52
MW-12	9/29/2006	<b>272</b>	4.79	195	<b>1020</b>	--	--	--	<b>16700</b>	--	--	--	--
MW-12	12/19/2006	<b>346</b>	36.6	81.0	620	--	--	--	<b>41400</b>	--	--	--	--
MW-12	12/31/2007	<b>378</b>	7.48	104	503	< 1.00	--	--	<b>10800</b>	<b>1440</b>	<b>3260</b>	--	--
MW-12	1/29/2008	<b>409</b>	8.39	96.4	584	< 1.00	--	--	<b>11100</b>	<b>619</b>	<b>1510</b>	--	--
MW-12	1/6/2009	4.2	0.89	22.5	186	< 1.00	--	--	<b>6250</b>	358	<b>744</b>	--	--
MW-12	4/8/2009	0.949	0.647	4.0	52.6	< 1.00	--	--	<b>4420</b>	<b>722</b>	<b>1170</b>	<b>36</b>	7.86
MW-12	7/8/2009	< 1.00	< 2.50	< 2.50	8.45	< 10.0	--	--	<b>1790</b>	< 250	< 500	8.45	5.61
MW-12	10/6/2009	1.9	< 1.00	1.0	9.3	< 1.00	--	--	<b>3600</b>	<b>2210</b>	<b>2040</b>	4.2	< 2.00
MW-12	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	<b>3700</b>	<b>5500</b>	<b>1100</b>	4.8	2.0
MW-12	5/25/2010	< 0.50	< 0.50	< 0.50	4.4	< 1.00	--	--	<b>2900</b>	<b>3800</b>	<b>2900</b>	2.6	< 2.00
MW-12	8/19/2010	0.89	0.59	0.51	3.4	< 1.00	--	--	<b>1800</b>	<b>2000</b>	380	3.5	< 2.00
MW-12	12/7/2010	1.9	0.66	0.51	3.6	< 1.0	--	--	<b>2300</b>	<b>1700</b>	<b>1300</b>	2.3	< 2.0
MW-12	1/26/2011	< 0.50	< 0.50	< 0.50	1.2	< 1.0	--	--	610	<b>1100</b>	<b>2900</b>	< 2.0	< 2.0
MW-12	6/16/2011	< 0.50	< 0.50	< 0.50	1.7	< 1.0	--	--	<b>860</b>	<b>2600</b>	<b>1900</b>	< 2.0	< 2.0
MW-12	9/22/2011	1.5	< 0.50	0.69	7.0	< 1.0	--	--	<b>1800</b>	<b>8770</b>	<b>15200</b>	<b>21</b>	< 2.0
MW-12	12/6/2011	2.5	< 1.0	1.3	< 3.0	< 1.0	--	--	<b>9590</b>	<b>14500</b>	<b>38600</b>	< 10.0	< 10.0
MW-12	3/8/2012	1.7	< 1.0	< 1.0	< 3.0	< 1.0	--	--	<b>1460</b>	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	--	--	<b>968</b>	<b>1030</b>	<b>2860</b>	< 10.0	< 10.0
MW-12	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	<b>542</b>	<b>1890</b>	< 3.0	< 3.0
MW-12	6/27/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	170	120	380	< 10	< 10

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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 <sup>1</sup>	500	500	15	NE
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
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	--	--
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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
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	6/27/2001	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	9/26/2001	--	--	--	--	--	--	--	--	--	--	--	--
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



Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt Way NE  
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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 <sup>1</sup>	500	500	15	NE
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	9/29/2006	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/19/2006	--	--	--	--	--	--	--	--	--	--	--	--
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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
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	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	6/27/2001	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	9/26/2001	--	--	--	--	--	--	--	--	--	--	--	--
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
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	1.35	< 1.00

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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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
VP-2	3/29/2005	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	6/22/2005	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	9/12/2005	--	--	--	--	--	--	--	--	--	--	--	--
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	<b>20.5</b>	< 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	<b>94</b>	30	26	160	--	--	--	<b>2500</b>	--	--	--	--
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-1	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-1	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-1	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-1	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-1	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-1	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-1	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-1	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-1	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-2	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
BV-3	3/3/1995	--	--	--	--	--	--	--	--	<b>14000</b>	--	--	--
BV-3	4/10/1995	<b>5000</b>	<b>4500</b>	690	<b>3300</b>	--	--	--	<b>36000</b>	--	--	--	--

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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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
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	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
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	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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-3	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-3	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
BV-4	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-4	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-4	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-4	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-4	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
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-4	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-4	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--
BV-5	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-5	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-5	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
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-5	6/27/2001	--	--	--	--	--	--	--	--	--	--	--	--
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-6	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--

Table 2  
Groundwater Analytical Data  
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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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
BV-6	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-6	9/27/2000	--	--	--	--	--	--	--	--	--	--	--	--
BV-7	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
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	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
SVE-1	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
SVE-1	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
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	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--

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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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
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	12/19/2006	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--	<b>47</b>	--
SVE-2	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	<b>610</b>	< 1000	--	--
SVE-2	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	360	< 750	--	--
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	3/11/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	3/11/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	6/30/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
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-2	11/10/2000	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	3/19/2001	--	--	--	--	--	--	--	--	--	--	--	--
SVE-2	12/19/2006	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	5/29/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	8/5/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	10/23/1997	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	9/25/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	12/29/1998	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	3/9/1999	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	6/2/1999	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	12/20/1999	--	--	--	--	--	--	--	--	--	--	--	--
SVE-3	11/10/2000	<b>733</b>	<b>2850</b>	456	<b>1960</b>	--	--	--	<b>20300</b>	<b>1950</b>	<b>6950</b>	--	--
SVE-3	6/27/2001	<b>184</b>	<b>1120</b>	180	995	< 10.0	--	--	<b>10600</b>	<b>1560</b>	<b>1980</b>	--	--
SVE-3	9/26/2001	<b>82.6</b>	492	99.4	961	< 20.0	--	--	<b>6540</b>	< 250	< 750	--	--
SVE-3	12/3/2001	<b>72.3</b>	549	67.6	600	< 50.0	--	--	<b>3360</b>	<b>2410</b>	<b>10800</b>	--	--
SVE-3	6/6/2002	<b>50.7</b>	31.0	86.8	168	< 2.00	--	< 1.00	<b>1910</b>	--	--	--	--
SVE-3	6/26/2003	<b>90.6</b>	169	238	981	< 2.50	--	--	<b>7030</b>	--	--	--	--

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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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
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	--	--
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

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt 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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
B1 (JPHC)	12/19/2006	17.8	< 0.500	< 0.500	34.2	--	--	--	4140	--	--	--	--
B1 (JPHC)	4/3/2008	--	--	--	--	--	--	--	--	--	--	--	--
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
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	--	--

Table 2  
Groundwater Analytical Data  
ARCO Facility 980  
10822 Roosevelt Way NE  
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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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
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)	3/16/2000	--	--	--	--	--	--	--	--	--	--	--	--
B3 (JPHC)	6/30/2000	--	--	--	--	--	--	--	--	--	--	--	--
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	<b>204</b>	--	--	< 50.0	<b>1180</b>	<b>2750</b>	--	--
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	<b>49.3</b>	--	--	< 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	<b>23.5</b>	< 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)	4/7/2004	--	--	--	--	--	--	--	--	--	--	--	--
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	<b>18.9</b>	< 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)	12/19/2006	--	--	--	--	--	--	--	--	--	--	--	--
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)	4/3/2008	--	--	--	--	--	--	--	--	--	--	--	--
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	<b>23.5</b>	--	--	< 50.0	< 236	< 472	<b>16.9</b>	--
B3 (JPHC)	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	<b>24.1</b>	--	--	< 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	<b>842</b>	< 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
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



Table 2  
Groundwater Analytical Data  
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10822 Roosevelt Way NE  
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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
<b>MTCA METHOD A CLEANUP LEVELS</b>		<b>5</b>	<b>1000</b>	<b>700</b>	<b>1000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>1000/800<sup>1</sup></b>	<b>500</b>	<b>500</b>	<b>15</b>	<b>NE</b>
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
IW-1	12/7/2017	<b>11</b>	2.5	25	310	--	--	--	<b>9800</b>	--	--	--	--

**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-Ox

1,000/800<sup>1</sup> 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.

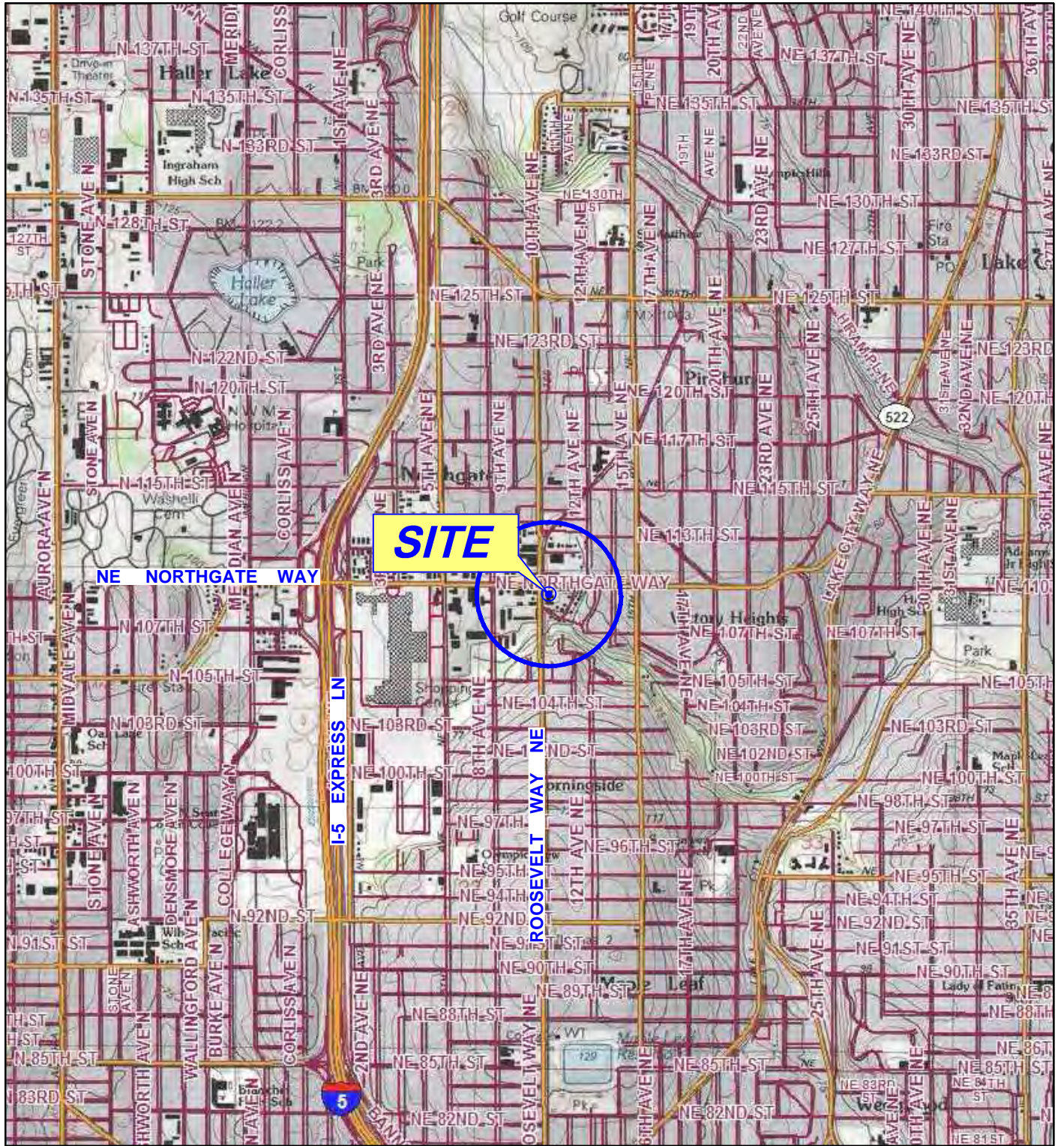
B = Compound was found in the blank and sample.

H = Sample was prepped or analyzed beyond the specific holding time

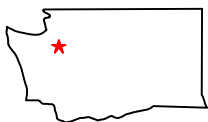
F1 = MS and/or MSD Recovery is outside acceptance limits.

## ***Figures***

- Figure 1      Site Location Map
- Figure 2      Site Aerial Map
- Figure 3      Groundwater Analytical & Elevation Contour Map – 2/8/2018



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



QUADRANGLE LOCATION

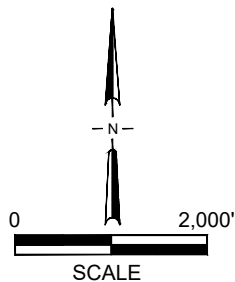


FIGURE 1  
 SITE LOCATION MAP

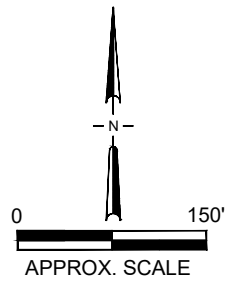
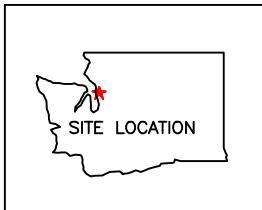
ARCO FACILITY NO. 980  
 10822 ROOSEVELT WAY NE  
 SEATTLE, WASHINGTON

PROJECT NO. 00980SA261	DRAWN BY K. MARTIN
FILE NO. 0980-SLM	PREPARED BY T. ROBERTS
DATE 01 Dec 16	REV. 0
	REVIEWED BY





GENERAL NOTES:  
 BASE MAP FROM GOOGLE EARTH 2016



**FIGURE 2  
 SITE AERIAL MAP**

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

PROJECT NO. 00980SA261	DRAWN BY K. MARTIN
FILE NO. 980G-SAM	PREPARED BY T. ROBERTS
DATE 07 Dec 16	REV. 0
	REVIEWED BY



NE NORTHGATE WAY

MW-4	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	<b>510</b>
NWTPH-O	<b>790</b>
Pb-T	< 4.0
Pb-D	< 4.0

MW-2	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	< 120
NWTPH-O	< 400
Pb-T	< 4.0
Pb-D	< 4.0

MW-12	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	170
NWTPH-O	< 390
Pb-T	< 4.0
Pb-D	< 4.0

MW-10	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	< 120
NWTPH-O	< 390
Pb-T	< 4.0
Pb-D	< 4.0

B1 (JPHC)	
DATE	2/8/2018
B	<b>88</b>
T	< 2.0
E	6.6
X	39
MTBE	< 2.0
NWTPH-G	<b>1,400</b>
NWTPH-D	<b>3,700</b>
NWTPH-O	<b>1,500</b>
Pb-T	< 4.0
Pb-D	< 4.0

MW-9	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	< 130
NWTPH-O	< 410
Pb-T	< 4.0
Pb-D	< 4.0

MW-8	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	< 130
NWTPH-O	< 410
Pb-T	< 4.0
Pb-D	< 4.0

MW-5	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	150
NWTPH-O	< 390
Pb-T	< 4.0
Pb-D	< 4.0

B3 (JPHC)	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	160
NWTPH-O	< 430
Pb-T	< 4.0
Pb-D	< 4.0

- LEGEND:
- ARCO PROPERTY LINE
  - ▭ CATCH BASIN
  - ⊙ BV-1 BIOVENTING WELL LOCATION
  - ⊙ B1 (JPHC) MONITORING WELL INSTALLED BY JAMES P. HURLEY CO.
  - ⊙ MW-1 MONITORING WELL LOCATION
  - ⊙ VP-2 SOIL VAPOR EXTRACTION/VACUUM PRESSURE MONITORING POINT
  - ⊙ SVE1/AS-1 SOIL VAPOR EXTRACTION/AIR SPARGING WELL LOCATION
  - AS-3 AIR SPARGING WELL LOCATION
  - B-4 SOIL BORING LOCATION
  - ⊕ EX-4 EXTRACTION WELL LOCATION
  - ⊕ IW-1 INJECTION WELL LOCATION INSTALLED BY INNOVEX
  - \* \* \* — FENCE
  - / / / — UNDERGROUND PIPING TRENCH LOCATION
  - — — — ABOVEGROUND PIPING LOCATION
  - OU — OU — OVERHEAD UTILITY LINE
  - (247.38) GROUNDWATER ELEVATION IN FEET REFERENCE TO THE NATIONAL GEODETIC VERTICAL DATUM, 1929.
  - 244.00— INFERRED WATER TABLE CONTOUR IN FEET REFERENCE TO THE NATIONAL GEODETIC VERTICAL DATUM, 1929. (GROUND WATER INTERVAL: 2.00 FT.)
  - ← INFERRED GROUNDWATER FLOW DIRECTION: SE (GROUNDWATER MAGNITUDE: 0.09 FT/LINEAR FT)

GROUNDWATER DATA

MW-2	
DATE	2/8/2018
B	< 2.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
NWTPH-G	< 250
NWTPH-D	< 120
NWTPH-O	< 400
Pb-T	< 4.0
Pb-D	< 4.0

WELL ID	
DATE	2/8/2018
SAMPLE DATE	
BENZENE IN MICROGRAMS PER LITER (µg/L)	
TOLUENE IN µg/L	
ETHYLBENZENE IN µg/L	
XYLENES IN µg/L	
METHYL TERT-BUTYL ETHER IN µg/L	
GASOLINE-RANGE HYDROCARBONS IN µg/L	
DIESEL-RANGE HYDROCARBONS IN µg/L	
HEAVY OIL-RANGE HYDROCARBONS IN µg/L	
TOTAL LEAD IN µg/L	
DISSOLVED LEAD IN µg/L	

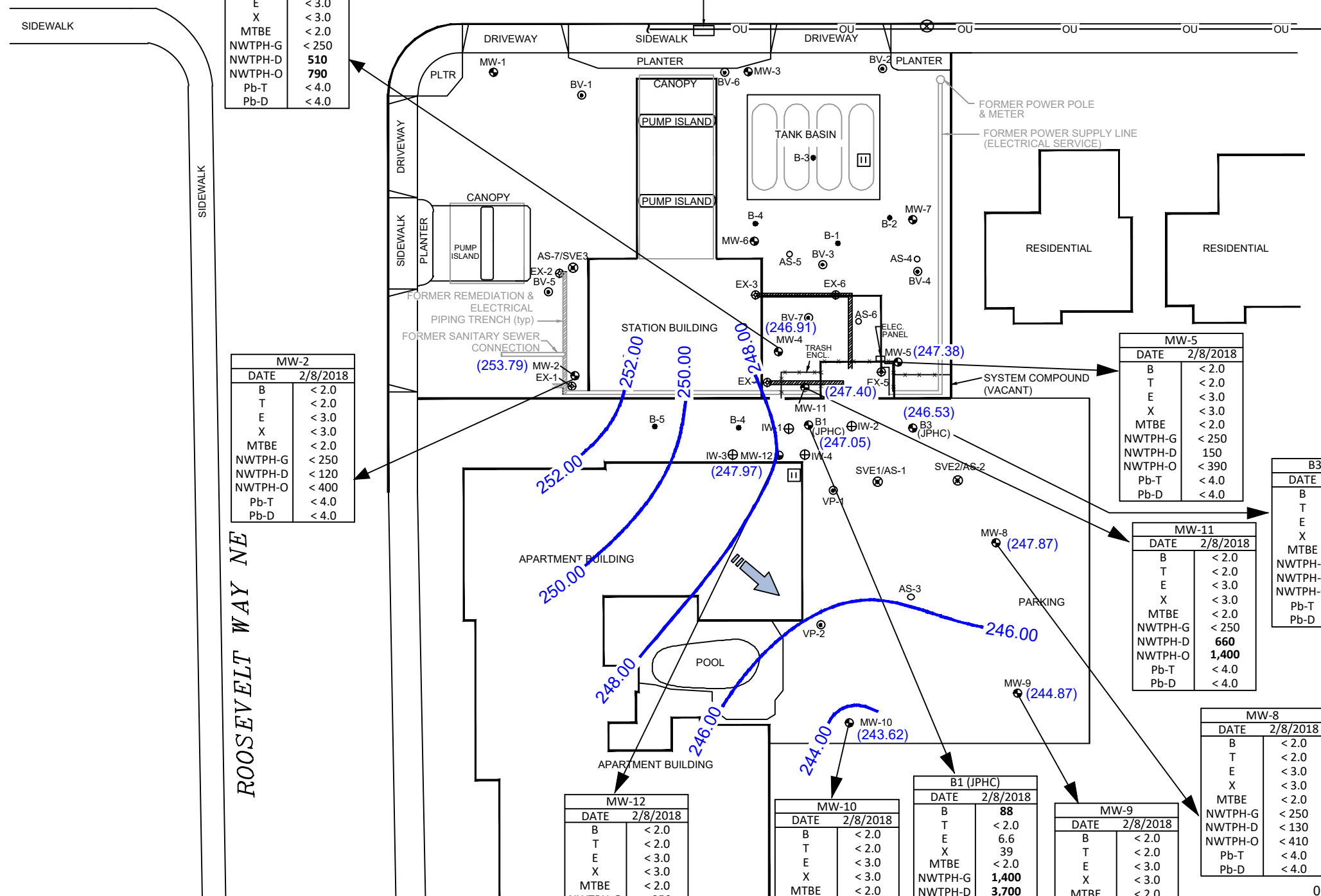
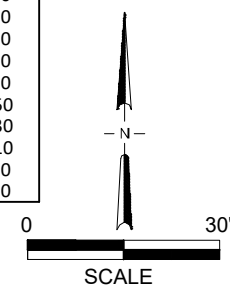
Notes:  
 <1.0 = Concentrations were not detected above the laboratory method reporting limit.  
 ug/L = Micrograms per liter (ppb)  
 Results in **bold** indicate concentrations in excess of Washington State Department of Ecology's Mottle Toxins Control Act (MTCA) Method A Cleanup Levels.

NOTE: BASE MAP AND ELEVATION DATUM ADAPTED FROM GERAGHTY & MILLER, INC. FIGURE. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

FIGURE 3  
 GROUNDWATER ANALYTICAL & ELEVATION  
 CONTOUR MAP - 2/8/2018

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

PROJECT NO. 00980SA181	DRAWN BY D. Reeder/LKO
FILE NO. AR-980 2018	PREPARED BY MB
DATE Aug 1, 18	REV. REVIEWED BY MR



## ***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: 580-75016-1  
Client Project/Site: BP - ARCO 980  
Sampling Event: Antea ARCO 980

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

Attn: Megan Richard

*M. Elaine Walker*

Authorized for release by:  
2/19/2018 3:38:51 PM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://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.*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

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 Chain of Custody is included and is an integral part of this report.

*M. Elaine Walker*

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Elaine Walker  
Project Manager II  
2/19/2018 3:38:51 PM





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# Case Narrative

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

TestAmerica Job ID: 580-75016-1

## Job ID: 580-75016-1

### Laboratory: TestAmerica Seattle

#### Narrative

#### Job Narrative 580-75016-1

#### Receipt

Eleven samples were received on 2/9/2018 11:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3° C and 4.9° C.

#### Receipt Exceptions

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-4\_14.25 (580-75016-2). The container labels list 1320, while the COC lists 1300. The sample was logged per the COC.

No TripBlank containers were in either of the two coolers received. Tripblank-1 (580-75016-12).

#### GC/MS VOA

No analytical or quality issues were noted, other than those described 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\_14.25 (580-75016-2), MW-5\_13.66 (580-75016-3), MW-11\_14.45 (580-75016-7) and B3 (JPHC)\_11.88 (580-75016-10).

Method(s) NWTPH-Dx: The following samples contained a hydrocarbon pattern in the diesel range; however, the data contained both earlier and later elution patterns than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-12\_9.87 (580-75016-8) and B1 (JPHC)\_10.66 (580-75016-9).

Method(s) NWTPH-Dx: The following sample was diluted due to the nature of the sample matrix: B1 (JPHC)\_10.66 (580-75016-9). Elevated reporting limits (RLs) are provided.

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.

# Definitions/Glossary

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

TestAmerica Job ID: 580-75016-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-2\_7.73**

**Lab Sample ID: 580-75016-1**

**Date Collected: 02/08/18 14:30**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 03:17	1
Benzene	ND		2.0		ug/L			02/14/18 03:17	1
Toluene	ND		2.0		ug/L			02/14/18 03:17	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 03:17	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		80 - 120		02/14/18 03:17	1
Toluene-d8 (Surr)	96		80 - 122		02/14/18 03:17	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		02/14/18 03:17	1
4-Bromofluorobenzene (Surr)	102		75 - 125		02/14/18 03:17	1
Dibromofluoromethane (Surr)	103		77 - 120		02/14/18 03:17	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			02/13/18 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		58 - 133		02/13/18 23:40	1
Trifluorotoluene (Surr)	106		77 - 128		02/13/18 23:40	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		120		ug/L		02/14/18 09:56	02/14/18 18:48	1
Motor Oil (>C24-C36)	ND		400		ug/L		02/14/18 09:56	02/14/18 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	02/14/18 09:56	02/14/18 18:48	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		02/14/18 08:57	02/15/18 11:16	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:20	5

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-4\_14.25**

**Lab Sample ID: 580-75016-2**

**Date Collected: 02/08/18 13:00**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 03:44	1
Benzene	ND		2.0		ug/L			02/14/18 03:44	1
Toluene	ND		2.0		ug/L			02/14/18 03:44	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 03:44	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		02/14/18 03:44	1
Toluene-d8 (Surr)	98		80 - 122		02/14/18 03:44	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		02/14/18 03:44	1
4-Bromofluorobenzene (Surr)	102		75 - 125		02/14/18 03:44	1
Dibromofluoromethane (Surr)	101		77 - 120		02/14/18 03:44	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			02/14/18 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		58 - 133		02/14/18 00:12	1
Trifluorotoluene (Surr)	105		77 - 128		02/14/18 00:12	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)	510		130		ug/L		02/14/18 09:56	02/16/18 12:57	1
Motor Oil (>C24-C36)	790		400		ug/L		02/14/18 09:56	02/16/18 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	02/14/18 09:56	02/16/18 12:57	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		02/14/18 08:57	02/15/18 11:20	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:24	5

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-5\_13.66**

**Lab Sample ID: 580-75016-3**

**Date Collected: 02/08/18 14:00**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 04:11	1
Benzene	ND		2.0		ug/L			02/14/18 04:11	1
Toluene	ND		2.0		ug/L			02/14/18 04:11	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 04:11	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		80 - 120		02/14/18 04:11	1
Toluene-d8 (Surr)	96		80 - 122		02/14/18 04:11	1
1,2-Dichloroethane-d4 (Surr)	111		80 - 126		02/14/18 04:11	1
4-Bromofluorobenzene (Surr)	103		75 - 125		02/14/18 04:11	1
Dibromofluoromethane (Surr)	104		77 - 120		02/14/18 04:11	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			02/14/18 00:43	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	94		58 - 133		02/14/18 00:43	1			
Trifluorotoluene (Surr)	104		77 - 128		02/14/18 00:43	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)	150		120		ug/L		02/14/18 09:56	02/16/18 13:19	1
Motor Oil (>C24-C36)	ND		390		ug/L		02/14/18 09:56	02/16/18 13:19	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	73		50 - 150		02/14/18 09:56	02/16/18 13:19	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		02/14/18 08:57	02/15/18 11:24	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:28	5

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-8\_11.71**

**Lab Sample ID: 580-75016-4**

**Date Collected: 02/08/18 10:20**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

### Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 04:38	1
Benzene	ND		2.0		ug/L			02/14/18 04:38	1
Toluene	ND		2.0		ug/L			02/14/18 04:38	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 04:38	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	105		80 - 120		02/14/18 04:38	1
Toluene-d8 (Surr)	97		80 - 122		02/14/18 04:38	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		02/14/18 04:38	1
4-Bromofluorobenzene (Surr)	102		75 - 125		02/14/18 04:38	1
Dibromofluoromethane (Surr)	104		77 - 120		02/14/18 04:38	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			02/14/18 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		58 - 133		02/14/18 01:15	1
Trifluorotoluene (Surr)	104		77 - 128		02/14/18 01:15	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)	ND		130		ug/L		02/14/18 09:56	02/14/18 19:55	1
Motor Oil (>C24-C36)	ND		410		ug/L		02/14/18 09:56	02/14/18 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	02/14/18 09:56	02/14/18 19:55	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		02/14/18 08:57	02/15/18 11:28	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:32	5

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-9\_14.09**

**Lab Sample ID: 580-75016-5**

**Date Collected: 02/08/18 09:18**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 05:04	1
Benzene	ND		2.0		ug/L			02/14/18 05:04	1
Toluene	ND		2.0		ug/L			02/14/18 05:04	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 05:04	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 05:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		80 - 120		02/14/18 05:04	1
Toluene-d8 (Surr)	97		80 - 122		02/14/18 05:04	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		02/14/18 05:04	1
4-Bromofluorobenzene (Surr)	102		75 - 125		02/14/18 05:04	1
Dibromofluoromethane (Surr)	105		77 - 120		02/14/18 05:04	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			02/14/18 01:47	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	93		58 - 133		02/14/18 01:47	1			
Trifluorotoluene (Surr)	106		77 - 128		02/14/18 01:47	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		130		ug/L		02/14/18 09:56	02/16/18 13:40	1
Motor Oil (>C24-C36)	ND		410		ug/L		02/14/18 09:56	02/16/18 13:40	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	78		50 - 150	02/14/18 09:56	02/16/18 13:40	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		02/14/18 08:57	02/15/18 11:32	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:35	5



# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-10\_12.94**

**Lab Sample ID: 580-75016-6**

**Date Collected: 02/08/18 09:40**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 05:31	1
Benzene	ND		2.0		ug/L			02/14/18 05:31	1
Toluene	ND		2.0		ug/L			02/14/18 05:31	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 05:31	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		02/14/18 05:31	1
Toluene-d8 (Surr)	95		80 - 122		02/14/18 05:31	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		02/14/18 05:31	1
4-Bromofluorobenzene (Surr)	101		75 - 125		02/14/18 05:31	1
Dibromofluoromethane (Surr)	105		77 - 120		02/14/18 05:31	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			02/13/18 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		58 - 133		02/13/18 18:55	1
Trifluorotoluene (Surr)	106		77 - 128		02/13/18 18:55	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		120		ug/L		02/14/18 09:56	02/14/18 20:39	1
Motor Oil (>C24-C36)	ND		390		ug/L		02/14/18 09:56	02/14/18 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	02/14/18 09:56	02/14/18 20:39	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		02/14/18 08:57	02/15/18 10:40	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 16:45	5

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-11\_14.45**

**Lab Sample ID: 580-75016-7**

**Date Collected: 02/08/18 13:40**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 06:51	1
Benzene	ND		2.0		ug/L			02/14/18 06:51	1
Toluene	ND		2.0		ug/L			02/14/18 06:51	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 06:51	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 06:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	100		80 - 120		02/14/18 06:51	1
Toluene-d8 (Surr)	99		80 - 122		02/14/18 06:51	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		02/14/18 06:51	1
4-Bromofluorobenzene (Surr)	104		75 - 125		02/14/18 06:51	1
Dibromofluoromethane (Surr)	106		77 - 120		02/14/18 06:51	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			02/14/18 02:18	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	94		58 - 133		02/14/18 02:18	1			
Trifluorotoluene (Surr)	104		77 - 128		02/14/18 02:18	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)	660		120		ug/L		02/14/18 09:56	02/16/18 14:02	1
Motor Oil (>C24-C36)	1400		390		ug/L		02/14/18 09:56	02/16/18 14:02	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	65		50 - 150		02/14/18 09:56	02/16/18 14:02	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		02/14/18 08:57	02/15/18 11:36	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:39	5

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-12\_9.87**

**Lab Sample ID: 580-75016-8**

**Date Collected: 02/08/18 11:30**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 07:18	1
Benzene	ND		2.0		ug/L			02/14/18 07:18	1
Toluene	ND		2.0		ug/L			02/14/18 07:18	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 07:18	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 07:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		80 - 120		02/14/18 07:18	1
Toluene-d8 (Surr)	96		80 - 122		02/14/18 07:18	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		02/14/18 07:18	1
4-Bromofluorobenzene (Surr)	102		75 - 125		02/14/18 07:18	1
Dibromofluoromethane (Surr)	102		77 - 120		02/14/18 07:18	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			02/14/18 02:50	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	96		58 - 133		02/14/18 02:50	1			
Trifluorotoluene (Surr)	104		77 - 128		02/14/18 02:50	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)	170		120		ug/L		02/14/18 09:56	02/16/18 14:24	1
Motor Oil (>C24-C36)	ND		390		ug/L		02/14/18 09:56	02/16/18 14:24	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	67		50 - 150		02/14/18 09:56	02/16/18 14:24	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		02/14/18 08:57	02/15/18 11:40	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:43	5

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: B1 (JPHC)\_10.66**

**Lab Sample ID: 580-75016-9**

**Date Collected: 02/08/18 11:05**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 07:45	1
<b>Benzene</b>	<b>88</b>		2.0		ug/L			02/14/18 07:45	1
Toluene	ND		2.0		ug/L			02/14/18 07:45	1
<b>Ethylbenzene</b>	<b>6.6</b>		3.0		ug/L			02/14/18 07:45	1
<b>Xylenes, Total</b>	<b>39</b>		3.0		ug/L			02/14/18 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		02/14/18 07:45	1
Toluene-d8 (Surr)	96		80 - 122		02/14/18 07:45	1
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		02/14/18 07:45	1
4-Bromofluorobenzene (Surr)	106		75 - 125		02/14/18 07:45	1
Dibromofluoromethane (Surr)	103		77 - 120		02/14/18 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline</b>	<b>1400</b>		250		ug/L			02/13/18 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		58 - 133		02/13/18 17:15	1
Trifluorotoluene (Surr)	110		77 - 128		02/13/18 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>#2 Diesel (C10-C24)</b>	<b>3700</b>		250		ug/L		02/14/18 09:56	02/16/18 14:46	2
<b>Motor Oil (&gt;C24-C36)</b>	<b>1500</b>		780		ug/L		02/14/18 09:56	02/16/18 14:46	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	02/14/18 09:56	02/16/18 14:46	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/14/18 08:57	02/15/18 11:44	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:47	5

TestAmerica Seattle

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: B3 (JPHC)\_11.88**

**Lab Sample ID: 580-75016-10**

**Date Collected: 02/08/18 10:40**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

### Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 08:11	1
Benzene	ND		2.0		ug/L			02/14/18 08:11	1
Toluene	ND		2.0		ug/L			02/14/18 08:11	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 08:11	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 08:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		80 - 120		02/14/18 08:11	1
Toluene-d8 (Surr)	98		80 - 122		02/14/18 08:11	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		02/14/18 08:11	1
4-Bromofluorobenzene (Surr)	101		75 - 125		02/14/18 08:11	1
Dibromofluoromethane (Surr)	106		77 - 120		02/14/18 08:11	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			02/13/18 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		58 - 133		02/13/18 17:46	1
Trifluorotoluene (Surr)	120		77 - 128		02/13/18 17:46	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)	160		140		ug/L		02/14/18 09:56	02/16/18 15:08	1
Motor Oil (>C24-C36)	ND		430		ug/L		02/14/18 09:56	02/16/18 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	02/14/18 09:56	02/16/18 15:08	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		02/14/18 08:57	02/15/18 11:47	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 17:51	5

# Client Sample Results

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: Dup-1**  
**Date Collected: 02/08/18 06:00**  
**Date Received: 02/09/18 11:15**

**Lab Sample ID: 580-75016-11**  
**Matrix: Water**

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		2.0		ug/L			02/14/18 08:38	1
Benzene	ND		2.0		ug/L			02/14/18 08:38	1
Toluene	ND		2.0		ug/L			02/14/18 08:38	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 08:38	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 08:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		02/14/18 08:38	1
Toluene-d8 (Surr)	97		80 - 122		02/14/18 08:38	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		02/14/18 08:38	1
4-Bromofluorobenzene (Surr)	101		75 - 125		02/14/18 08:38	1
Dibromofluoromethane (Surr)	100		77 - 120		02/14/18 08:38	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			02/13/18 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		58 - 133		02/13/18 18:16	1
Trifluorotoluene (Surr)	125		77 - 128		02/13/18 18:16	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		120		ug/L		02/14/18 09:56	02/14/18 23:33	1
Motor Oil (>C24-C36)	ND		390		ug/L		02/14/18 09:56	02/14/18 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	02/14/18 09:56	02/14/18 23:33	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		02/14/18 08:57	02/15/18 12:07	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 16:13	5

# QC Sample Results

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

TestAmerica Job ID: 580-75016-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 580-267240/5**

**Matrix: Water**

**Analysis Batch: 267240**

**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		2.0		ug/L			02/14/18 01:57	1
Benzene	ND		2.0		ug/L			02/14/18 01:57	1
Toluene	ND		2.0		ug/L			02/14/18 01:57	1
Ethylbenzene	ND		3.0		ug/L			02/14/18 01:57	1
Xylenes, Total	ND		3.0		ug/L			02/14/18 01:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	104		80 - 120		02/14/18 01:57	1
Toluene-d8 (Surr)	97		80 - 122		02/14/18 01:57	1
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		02/14/18 01:57	1
4-Bromofluorobenzene (Surr)	100		75 - 125		02/14/18 01:57	1
Dibromofluoromethane (Surr)	110		77 - 120		02/14/18 01:57	1

**Lab Sample ID: LCS 580-267240/6**

**Matrix: Water**

**Analysis Batch: 267240**

**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	10.0	10.1		ug/L		101	79 - 120
Benzene	10.0	10.1		ug/L		101	75 - 120
Toluene	10.0	9.08		ug/L		91	75 - 120
Ethylbenzene	10.0	9.51		ug/L		95	75 - 120
m-Xylene & p-Xylene	10.0	9.06		ug/L		91	75 - 120
o-Xylene	10.0	9.50		ug/L		95	74 - 120
Xylenes, Total	20.0	18.6		ug/L		93	74 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Trifluorotoluene (Surr)	105		80 - 120
Toluene-d8 (Surr)	96		80 - 122
1,2-Dichloroethane-d4 (Surr)	109		80 - 126
4-Bromofluorobenzene (Surr)	102		75 - 125
Dibromofluoromethane (Surr)	108		77 - 120

**Lab Sample ID: LCSD 580-267240/7**

**Matrix: Water**

**Analysis Batch: 267240**

**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	10.0	10.2		ug/L		102	79 - 120	1	18
Benzene	10.0	10.4		ug/L		104	75 - 120	3	14
Toluene	10.0	9.48		ug/L		95	75 - 120	4	13
Ethylbenzene	10.0	9.99		ug/L		100	75 - 120	5	14
m-Xylene & p-Xylene	10.0	9.74		ug/L		97	75 - 120	7	14
o-Xylene	10.0	9.99		ug/L		100	74 - 120	5	16
Xylenes, Total	20.0	19.7		ug/L		99	74 - 120	6	15

TestAmerica Seattle

# QC Sample Results

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

TestAmerica Job ID: 580-75016-1

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

**Lab Sample ID: LCSD 580-267240/7**

**Matrix: Water**

**Analysis Batch: 267240**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

<i>Surrogate</i>	<i>%Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
<i>Trifluorotoluene (Surr)</i>	103		80 - 120
<i>Toluene-d8 (Surr)</i>	96		80 - 122
<i>1,2-Dichloroethane-d4 (Surr)</i>	106		80 - 126
<i>4-Bromofluorobenzene (Surr)</i>	105		75 - 125
<i>Dibromofluoromethane (Surr)</i>	107		77 - 120

**Lab Sample ID: 580-75016-6 MS**

**Matrix: Water**

**Analysis Batch: 267240**

**Client Sample ID: MW-10\_12.94**

**Prep Type: Total/NA**

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
Methyl tert-butyl ether	ND		11.6	11.6		ug/L		100	65 - 125
Benzene	ND		11.6	12.6		ug/L		108	80 - 120
Toluene	ND		11.6	10.8		ug/L		93	75 - 120
Ethylbenzene	ND		11.6	11.2		ug/L		97	75 - 119
m-Xylene & p-Xylene	ND		11.6	10.9		ug/L		94	75 - 119
o-Xylene	ND		11.6	11.3		ug/L		97	74 - 120
Xylenes, Total	ND		23.3	22.2		ug/L		95	75 - 119

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS Qualifier</i>	<i>Limits</i>
<i>Trifluorotoluene (Surr)</i>	103		80 - 120
<i>Toluene-d8 (Surr)</i>	94		80 - 122
<i>1,2-Dichloroethane-d4 (Surr)</i>	107		80 - 126
<i>4-Bromofluorobenzene (Surr)</i>	102		75 - 125
<i>Dibromofluoromethane (Surr)</i>	112		77 - 120

**Lab Sample ID: 580-75016-6 MSD**

**Matrix: Water**

**Analysis Batch: 267240**

**Client Sample ID: MW-10\_12.94**

**Prep Type: Total/NA**

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Methyl tert-butyl ether	ND		11.6	12.7		ug/L		110	65 - 125	10	35
Benzene	ND		11.6	13.3		ug/L		115	80 - 120	6	35
Toluene	ND		11.6	11.9		ug/L		103	75 - 120	10	35
Ethylbenzene	ND		11.6	12.9		ug/L		111	75 - 119	14	35
m-Xylene & p-Xylene	ND		11.6	12.4		ug/L		107	75 - 119	12	35
o-Xylene	ND		11.6	12.8		ug/L		110	74 - 120	13	35
Xylenes, Total	ND		23.3	25.2		ug/L		108	75 - 119	13	35

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD Qualifier</i>	<i>Limits</i>
<i>Trifluorotoluene (Surr)</i>	105		80 - 120
<i>Toluene-d8 (Surr)</i>	97		80 - 122
<i>1,2-Dichloroethane-d4 (Surr)</i>	105		80 - 126
<i>4-Bromofluorobenzene (Surr)</i>	103		75 - 125
<i>Dibromofluoromethane (Surr)</i>	104		77 - 120

TestAmerica Seattle



# QC Sample Results

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

TestAmerica Job ID: 580-75016-1

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

Lab Sample ID: MB 580-267227/5

Matrix: Water

Analysis Batch: 267227

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			02/13/18 13:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		58 - 133		02/13/18 13:05	1
Trifluorotoluene (Surr)	97		77 - 128		02/13/18 13:05	1

Lab Sample ID: LCS 580-267227/6

Matrix: Water

Analysis Batch: 267227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	913		ug/L		91	79 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		58 - 133
Trifluorotoluene (Surr)	91		77 - 128

Lab Sample ID: LCSD 580-267227/7

Matrix: Water

Analysis Batch: 267227

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	953		ug/L		95	79 - 110	4	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		58 - 133
Trifluorotoluene (Surr)	94		77 - 128

Lab Sample ID: 580-75016-6 MS

Matrix: Water

Analysis Batch: 267227

Client Sample ID: MW-10\_12.94

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	ND		1000	880		ug/L		88	79 - 110

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		58 - 133
Trifluorotoluene (Surr)	107		77 - 128

Lab Sample ID: 580-75016-6 MSD

Matrix: Water

Analysis Batch: 267227

Client Sample ID: MW-10\_12.94

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	945		ug/L		94	79 - 110	7	10

TestAmerica Seattle

# QC Sample Results

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

TestAmerica Job ID: 580-75016-1

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

**Lab Sample ID: 580-75016-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 267227**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Total/NA**

	MSD	MSD	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	99		58 - 133
Trifluorotoluene (Surr)	105		77 - 128

**Lab Sample ID: MB 580-267268/6**  
**Matrix: Water**  
**Analysis Batch: 267268**

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

<i>Analyte</i>	<i>MB</i>	<i>MB</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Gasoline	ND		250		ug/L			02/13/18 14:33	1

	MB	MB		Prepared	Analyzed	Dil Fac
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
4-Bromofluorobenzene (Surr)	91		58 - 133		02/13/18 14:33	1
Trifluorotoluene (Surr)	109		77 - 128		02/13/18 14:33	1

**Lab Sample ID: LCS 580-267268/7**  
**Matrix: Water**  
**Analysis Batch: 267268**

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

<i>Analyte</i>	<i>Spike</i>	<i>LCS</i>	<i>LCS</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i>	<i>Limits</i>
Gasoline	1000	992		ug/L		99	79 - 110	

	LCS	LCS	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	94		58 - 133
Trifluorotoluene (Surr)	101		77 - 128

**Lab Sample ID: LCSD 580-267268/8**  
**Matrix: Water**  
**Analysis Batch: 267268**

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

<i>Analyte</i>	<i>Spike</i>	<i>LCSD</i>	<i>LCSD</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i>	<i>Limits</i>	<i>RPD</i>	<i>RPD</i>	<i>Limit</i>
Gasoline	1000	1070		ug/L		107	79 - 110	8	10		

	LCSD	LCSD	
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	95		58 - 133
Trifluorotoluene (Surr)	109		77 - 128

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

**Lab Sample ID: MB 580-267287/1-A**  
**Matrix: Water**  
**Analysis Batch: 267336**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 267287**

<i>Analyte</i>	<i>MB</i>	<i>MB</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
#2 Diesel (C10-C24)	ND		110		ug/L		02/14/18 09:56	02/14/18 17:41	1
Motor Oil (>C24-C36)	ND		350		ug/L		02/14/18 09:56	02/14/18 17:41	1

TestAmerica Seattle

# QC Sample Results

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

TestAmerica Job ID: 580-75016-1

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

**Lab Sample ID: MB 580-267287/1-A**  
**Matrix: Water**  
**Analysis Batch: 267336**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 267287**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	102		50 - 150	02/14/18 09:56	02/14/18 17:41	1

**Lab Sample ID: MB 580-267287/1-A**  
**Matrix: Water**  
**Analysis Batch: 267460**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 267287**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		02/14/18 09:56	02/16/18 12:35	1
Motor Oil (>C24-C36)	ND		350		ug/L		02/14/18 09:56	02/16/18 12:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	68		50 - 150	02/14/18 09:56	02/16/18 12:35	1

**Lab Sample ID: LCS 580-267287/2-A**  
**Matrix: Water**  
**Analysis Batch: 267419**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 267287**  
**%Rec.**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	2000	1730		ug/L		86	59 - 112
Motor Oil (>C24-C36)	2000	1830		ug/L		91	64 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -Terphenyl	99		50 - 150

**Lab Sample ID: LCSD 580-267287/3-A**  
**Matrix: Water**  
**Analysis Batch: 267419**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 267287**  
**%Rec.**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1520		ug/L		76	59 - 112	13	16
Motor Oil (>C24-C36)	2000	1620		ug/L		81	64 - 120	12	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
<i>o</i> -Terphenyl	88		50 - 150

**Lab Sample ID: 580-75016-6 MS**  
**Matrix: Water**  
**Analysis Batch: 267336**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Total/NA**  
**Prep Batch: 267287**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
#2 Diesel (C10-C24)	ND		2260	1760		ug/L		78	59 - 112
Motor Oil (>C24-C36)	ND		2260	2210		ug/L		93	64 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>o</i> -Terphenyl	90		50 - 150

TestAmerica Seattle

# QC Sample Results

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

TestAmerica Job ID: 580-75016-1

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

**Lab Sample ID: 580-75016-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 267336**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Total/NA**  
**Prep Batch: 267287**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	ND		2300	1960		ug/L		85	59 - 112	11	16
Motor Oil (>C24-C36)	ND		2300	2230		ug/L		92	64 - 120	1	17
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>MSD</b>	<b>Limits</b>							
<i>o-Terphenyl</i>	95			50 - 150							

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

**Lab Sample ID: LCS 580-267257/16-A**  
**Matrix: Water**  
**Analysis Batch: 267354**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 267257**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	990		ug/L		99	80 - 120

**Lab Sample ID: LCSD 580-267257/17-A**  
**Matrix: Water**  
**Analysis Batch: 267354**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total Recoverable**  
**Prep Batch: 267257**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	999		ug/L		100	80 - 120	1	20

**Lab Sample ID: MB 580-267279/20-A**  
**Matrix: Water**  
**Analysis Batch: 267413**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 267279**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.80		ug/L		02/14/18 08:57	02/15/18 10:28	1

**Lab Sample ID: LCS 580-267279/21-A**  
**Matrix: Water**  
**Analysis Batch: 267413**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 267279**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	966		ug/L		97	80 - 120

**Lab Sample ID: LCSD 580-267279/22-A**  
**Matrix: Water**  
**Analysis Batch: 267413**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total Recoverable**  
**Prep Batch: 267279**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	960		ug/L		96	80 - 120	1	20

**Lab Sample ID: 580-75016-6 MS**  
**Matrix: Water**  
**Analysis Batch: 267413**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Total Recoverable**  
**Prep Batch: 267279**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		1000	953		ug/L		95	80 - 120

TestAmerica Seattle

# QC Sample Results

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

TestAmerica Job ID: 580-75016-1

**Lab Sample ID: 580-75016-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 267413**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Total Recoverable**  
**Prep Batch: 267279**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	1040		ug/L		104	80 - 120	8	20

**Lab Sample ID: 580-75016-6 DU**  
**Matrix: Water**  
**Analysis Batch: 267413**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Total Recoverable**  
**Prep Batch: 267279**

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 580-267183/14-B**  
**Matrix: Water**  
**Analysis Batch: 267354**

**Client Sample ID: Method Blank**  
**Prep Type: Dissolved**  
**Prep Batch: 267257**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		02/13/18 14:30	02/14/18 16:33	5

**Lab Sample ID: 580-75016-6 MS**  
**Matrix: Water**  
**Analysis Batch: 267354**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Dissolved**  
**Prep Batch: 267257**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		1000	1030		ug/L		103	80 - 120

**Lab Sample ID: 580-75016-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 267354**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Dissolved**  
**Prep Batch: 267257**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	1040		ug/L		104	80 - 120	0	20

**Lab Sample ID: 580-75016-6 DU**  
**Matrix: Water**  
**Analysis Batch: 267354**

**Client Sample ID: MW-10\_12.94**  
**Prep Type: Dissolved**  
**Prep Batch: 267257**

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 980

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-2\_7.73**

**Date Collected: 02/08/18 14:30**

**Date Received: 02/09/18 11:15**

**Lab Sample ID: 580-75016-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 03:17	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267227	02/13/18 23:40	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267336	02/14/18 18:48	T1W	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:20	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:16	FCW	TAL SEA

**Client Sample ID: MW-4\_14.25**

**Date Collected: 02/08/18 13:00**

**Date Received: 02/09/18 11:15**

**Lab Sample ID: 580-75016-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 03:44	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267227	02/14/18 00:12	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267460	02/16/18 12:57	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:24	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:20	FCW	TAL SEA

**Client Sample ID: MW-5\_13.66**

**Date Collected: 02/08/18 14:00**

**Date Received: 02/09/18 11:15**

**Lab Sample ID: 580-75016-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 04:11	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267227	02/14/18 00:43	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267460	02/16/18 13:19	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:28	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:24	FCW	TAL SEA

# Lab Chronicle

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-8\_11.71**

**Date Collected: 02/08/18 10:20**

**Date Received: 02/09/18 11:15**

**Lab Sample ID: 580-75016-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 04:38	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267227	02/14/18 01:15	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267336	02/14/18 19:55	T1W	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:32	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:28	FCW	TAL SEA

**Client Sample ID: MW-9\_14.09**

**Date Collected: 02/08/18 09:18**

**Date Received: 02/09/18 11:15**

**Lab Sample ID: 580-75016-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 05:04	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267227	02/14/18 01:47	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267460	02/16/18 13:40	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:35	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:32	FCW	TAL SEA

**Client Sample ID: MW-10\_12.94**

**Date Collected: 02/08/18 09:40**

**Date Received: 02/09/18 11:15**

**Lab Sample ID: 580-75016-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 05:31	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267227	02/13/18 18:55	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267336	02/14/18 20:39	T1W	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 16:45	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 10:40	FCW	TAL SEA

# Lab Chronicle

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: MW-11\_14.45**

**Lab Sample ID: 580-75016-7**

**Date Collected: 02/08/18 13:40**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 06:51	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267227	02/14/18 02:18	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267460	02/16/18 14:02	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:39	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:36	FCW	TAL SEA

**Client Sample ID: MW-12\_9.87**

**Lab Sample ID: 580-75016-8**

**Date Collected: 02/08/18 11:30**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 07:18	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267227	02/14/18 02:50	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267460	02/16/18 14:24	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:43	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:40	FCW	TAL SEA

**Client Sample ID: B1 (JPHC)\_10.66**

**Lab Sample ID: 580-75016-9**

**Date Collected: 02/08/18 11:05**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 07:45	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267268	02/13/18 17:15	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		2	267460	02/16/18 14:46	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:47	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:44	FCW	TAL SEA



# Lab Chronicle

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

TestAmerica Job ID: 580-75016-1

**Client Sample ID: B3 (JPHC)\_11.88**

**Lab Sample ID: 580-75016-10**

**Date Collected: 02/08/18 10:40**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 08:11	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267268	02/13/18 17:46	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267460	02/16/18 15:08	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 17:51	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 11:47	FCW	TAL SEA

**Client Sample ID: Dup-1**

**Lab Sample ID: 580-75016-11**

**Date Collected: 02/08/18 06:00**

**Matrix: Water**

**Date Received: 02/09/18 11:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	267240	02/14/18 08:38	RSB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	267268	02/13/18 18:16	JCV	TAL SEA
Total/NA	Prep	3510C			267287	02/14/18 09:56	NDB	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	267336	02/14/18 23:33	T1W	TAL SEA
Dissolved	Filtration	FILTRATION			267183	02/12/18 15:50	ASJ	TAL SEA
Dissolved	Prep	3005A			267257	02/13/18 14:30	ASJ	TAL SEA
Dissolved	Analysis	6020A		5	267354	02/14/18 16:13	FCW	TAL SEA
Total Recoverable	Prep	3005A			267279	02/14/18 08:57	ASJ	TAL SEA
Total Recoverable	Analysis	6020A		5	267413	02/15/18 12:07	FCW	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: 580-75016-1

## 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 accreditation/certification is not offered by the governing authority:

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: 580-75016-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-75016-1	MW-2_7.73	Water	02/08/18 14:30	02/09/18 11:15
580-75016-2	MW-4_14.25	Water	02/08/18 13:00	02/09/18 11:15
580-75016-3	MW-5_13.66	Water	02/08/18 14:00	02/09/18 11:15
580-75016-4	MW-8_11.71	Water	02/08/18 10:20	02/09/18 11:15
580-75016-5	MW-9_14.09	Water	02/08/18 09:18	02/09/18 11:15
580-75016-6	MW-10_12.94	Water	02/08/18 09:40	02/09/18 11:15
580-75016-7	MW-11_14.45	Water	02/08/18 13:40	02/09/18 11:15
580-75016-8	MW-12_9.87	Water	02/08/18 11:30	02/09/18 11:15
580-75016-9	B1 (JPHC)_10.66	Water	02/08/18 11:05	02/09/18 11:15
580-75016-10	B3 (JPHC)_11.88	Water	02/08/18 10:40	02/09/18 11:15
580-75016-11	Dup-1	Water	02/08/18 06:00	02/09/18 11:15



Laboratory Management Program LaMP Chain of Custody Record

Loc: 580  
75016

BP/ARC Project Name: ARCO 980

Req Due Date (mm/dd/yy): Standart TAT Rush TAT: Yes No X

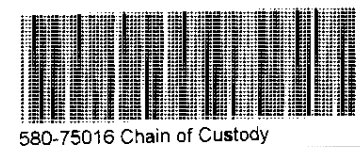
BP/ARC Facility No: ARCO Facility No. 00980

Lab Work Order Number:

Lab Name: Test America	BP/ARC Facility Address: 10822 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 Acct:	Enfos Proposal No: PENDING	Phone: 425.498.7711
Lab Bottle Order No:	Accounting Mode: Provision <input checked="" type="checkbox"/> OOC-BU <input type="checkbox"/> OOC-RM <input type="checkbox"/>	Email EDD To: <a href="mailto:megan.richard@anteagroup.com">megan.richard@anteagroup.com</a>
Other Info: <a href="mailto:elaine.walker@testamericainc.com">elaine.walker@testamericainc.com</a>	Stage: 20 Activity: 100	Invoice To: BP/ARC <input checked="" type="checkbox"/> Contractor <input type="checkbox"/>

BP/ARC EBM: Chuck Carmel				Matrix			No. Containers / Preservative							Requested Analyses						Report Type & QC Level	
EBM Phone: 657.529.4503				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	Standard <input checked="" type="checkbox"/> w/ Access		
EBM Email: <a href="mailto:charles.carmel@bp.com">charles.carmel@bp.com</a>																			Full Data Package <input type="checkbox"/>		
Lab No.	Sample Description	Date	Time																Comments		

MW-2	7.73	2-8-18	1430	X			10	1	1	8		X	X	X	X	X	X		
MW-4	14.25	2-8-18	1300	X			10	1	1	8		X	X	X	X	X	X		
MW-5	13.66	2-8-18	1400	X			10	1	1	8		X	X	X	X	X	X		
MW-8	11.71	2-8-18	1026	X			10	1	1	8		X	X	X	X	X	X		
MW-9	14.09	2-8-18	0918	X			10	1	1	8		X	X	X	X	X	X		
MW-10	12.94	2-8-18	0940	X			30	3	3	24		X	X	X	X	X	X		MS/MSD
MW-11	14.45	2-8-18	1340	X			10	1	1	8		X	X	X	X	X	X		
MW-12	9.87	2-8-18	1130	X			10	1	1	8		X	X	X	X	X	X		
B1 (JPHC)	10.66	2-8-18	1105	X			10	1	1	8		X	X	X	X	X	X		
B3 (JPHC)	11.88	2-8-18	1040	X			10	1	1	8		X	X	X	X	X	X		



Sampler's Name: <u>Bethany E. Stephen H.</u>	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: Antea Group	<u>[Signature]</u> / Antea		2-9-18	1115	<u>[Signature]</u> / THS/EH		2/9/18	1115
Shipment Method:	Ship Date:							
Shipment Tracking No:								

Special Instructions:	Therm. ID <u>TRS</u> Cor <u>4.4</u> Unc <u>4.4</u>	Therm. ID <u>7NS</u> Cor <u>4.4</u> Unc <u>2.3</u>
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No	Cooler Dsc <u>Ly Blue @Lab</u>	Cooler Dsc <u>Ly Blue @Lab</u>
Temp Blank: Yes / No	Wet/Packs Packing <u>Bubble</u>	Wet/Packs Packing <u>Bubble</u>



# 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

BP/ARC Facility No: ARCO Facility No. 00980

Lab Work Order Number: \_\_\_\_\_

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

BP/ARC EBM: <u>Chuck Carmel</u>	<b>Matrix</b>	<b>No. Containers / Preservative</b>	<b>Requested Analyses</b>	<b>Report Type &amp; QC Level</b>																																											
EBM Phone: <u>657-529-4503</u>	<table border="1"> <tr><td>Soil / Solid</td><td>Water / Liquid</td><td>Air / Vapor</td><td>Total Number of Containers</td><td>Unpreserved</td><td>H<sub>2</sub>SO<sub>4</sub></td><td>HNO<sub>3</sub></td><td>HCl</td><td>Na<sub>2</sub>SO<sub>3</sub></td><td>BTEX by EPA 8260</td><td>MTBE by EPA 8260</td><td>NWTPH-GX</td><td>NWTPH-DX</td><td>Pb-T by EPA 6020</td><td>Pb-D by EPA 6020</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> SO <sub>3</sub>	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-GX	NWTPH-DX	Pb-T by EPA 6020	Pb-D by EPA 6020																															Standard <input checked="" type="checkbox"/> w/Access
Soil / Solid		Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> SO <sub>3</sub>	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-GX	NWTPH-DX	Pb-T by EPA 6020	Pb-D by EPA 6020																																
EBM Email: <u>charles.carmel@bp.com</u>	Full Data Package <input type="checkbox"/>																																														

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Na <sub>2</sub> SO <sub>3</sub>	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	2.8.18	0600	X			10	1		1	8		X	X	X	X	X	X	
	Tripblank-1	2.8.18	0000	X			6				6		X		X				

Sampler's Name: <u>JOE GIOVANNI</u>	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: <u>Antea Group</u>	<u>ANTEA</u>		<u>2.9.18</u>	<u>1115</u>	<u>[Signature]</u>		<u>2/9/18</u>	<u>1115</u>
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
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## Login Sample Receipt Checklist

Client: Antea USA, Inc.

Job Number: 580-75016-1

**Login Number: 75016**

**List Source: TestAmerica Seattle**

**List Number: 1**

**Creator: Gall, Brandon A**

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.	False	Did not receive Trip Blank(s) listed on COC.
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").	False	Headspace larger than 1/4" in vial due to loose lid..
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	