Remediation Management Services Company

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

January 6, 2020

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

Dear VCP Coordinator:
Please find the enclosed Semi-Annual Groundwater Monitoring Report - Second Half of 2019, that documents the results at ARCO Facility No. 980 located at 10822 Roosevelt Way NE, Seattle, Washington.

Sincerely yours,

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

cc: File, Antea Group

Semi-Annual Groundwater Monitoring Report

Second Half of 2019
ARCO Facility No. 980
10822 Roosevelt Way NE, Seattle, Washington

Antea®Group

Understanding today.
Improving tomorrow.

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

January 6, 2020
Antea Group Project No. 00980SA191

us.anteagroup.com

ARCO Facility No.:	980
Address:	10822 Roosevelt Way NE, Seattle, Washington
Atlantic Richfield Project Manager:	Wade Melton, (360) 594-7978
Consulting Co. /Contact Person:	Antea Group / Bradford Jackson, (503) 863-2114
Consultant Project Number:	00980SA191
Primary Agency/Regulatory FS ID No.:	Washington State Department of Ecology / 68996432

WORK PERFORMED DURING SECOND HALF OF 2019:

- Antea Group conducted semi-annual groundwater sampling on September 26, 2019.
- Antea Group prepared this semi-annual groundwater monitoring report.
- Antea Group conducted soil vapor sampling on August 27, 2019 and October 30, 2019. Results of the soil vapor assessment will be detailed in a separate report.
- Antea Group prepared a subsurface investigation in September 2019. Results are detailed in a separate report dated November 18, 2019.

WORK SCHEDULED FOR FIRST HALF OF 2020:

- Antea Group will conduct semi-annual groundwater monitoring and sampling.
- Antea Group will prepare a semi-annual groundwater monitoring report.
- Antea Group will complete a subsurface investigation to further delineate offsite migration of the dissolved phase plume, pending access agreements and Right-of-Way permits.
- Antea Group will perform a minimum of two Enhanced Fluid Recovery (EFR) events focusing on the monitoring well network near MW-11.

Current Phase of Project:	**Monitoring**	
Frequency of Groundwater Sampling and Monitoring:	**Semi-annual**	
Are LPH Present On-Site:	**No**	
LPH Recovered this Reporting Period:	**None**	
Cumulative LPH Recovered to Date:	**Less than one gallon**	
Amount of Soil Removed to Date:	**46.27 yd^3**	
Current Remediation Techniques:	**Natural Attenuation**	
Approximate Depth to Groundwater:	**September 26, 2019**	**6.08 – 18.74 ft. bgs**
Groundwater Gradient:	**September 26, 2019**	**Southeast, 0.11 ft./linear ft.**

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

Prepared by

Katelyn Younger

Date: January 6, 2020

Katelyn Younger
Staff Professional

Reviewed by:

Date: January 6, 2020

Bradford Jackson
Project Manager

State of Washington 3157 Licensed Geologist
MEGAN RICHARD

Date: January 6, 2020

Megan Richard, LG
Sr. Project Manager

cc: VCP Coordinator, Department of Ecology, Northwest Regional Office (1-Hardcopy, Electronic Copy)
Mr. Michael Dahlstrom, Owner - Caribbean Apartments (Electronic Copy)
Mr. Joshua Pope, Montgomery Purdue Blankinship & Austin, PPLC (Electronic Copy)
Mr. Wade Melton, Remediation Management Service Company (Electronic Copy – RMO Upload)

Contact Information

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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 – September 26, 2019

Appendix

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

Tables

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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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ARCO Facility No. 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	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	--	--	--
MW-2	10/5/1994	261.52	10.09	NP	--	251.43	--
MW-2	2/15/1995	261.52	9.05	NP	--	252.47	--

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ARCO Facility No. 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-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	--
MW-2	6/5/2006	261.52	7.66	NP	--	253.86	--
MW-2	9/29/2006	261.52	16.28	NP	--	245.24	--

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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	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	--
MW-2	2/15/2017	261.52	7.58	NP	--	253.94	--
MW-2	5/26/2017	261.52	--	--	--	--	WI

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	10/17/2017	261.52	9.19	NP	--	252.33	--
MW-2	2/8/2018	261.52	7.73	NP	--	253.79	--
MW-2	9/11/2018	261.52	9.11	NP	--	252.41	--
MW-2	11/15/2018	261.52	8.93	NP	--	252.59	--
MW-2	1/29/2019	261.52	8.60	NP	--	252.92	--
MW-2	9/26/2019	261.52	9.23	NP	--	252.29	--
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	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	6/26/2003	--	9.65	NP	--	--	--
MW-3	12/9/2003	--	8.87	NP	--	--	--
MW-3	4/7/2004	--	8.27	NP	--	--	--
MW-3	11/16/2004	--	8.40	NP	--	--	--
MW-3	3/29/2005	--	7.64	NP	--	--	--
MW-3	6/22/2005	--	8.67	NP	--	--	--
MW-3	9/12/2005	--	9.85	NP	--	--	--
MW-3	12/6/2005	--	7.83	NP	--	--	--
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	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	1/19/2015	--	8.64	NP	--	--	--
MW-4	10/5/1994	--	19.69	19.50	0.19	--	--
MW-4	2/15/1995	--	18.60	14.89	3.71	--	--
MW-4	4/10/1995	--	16.90	16.53	0.37	--	--
MW-4	10/25/1995	--	18.24	NP	--	--	--
MW-4	1/23/1996	--	15.37	NP	--	--	--
MW-4	4/17/1996	--	16.80	NP	--	--	--
MW-4	7/8/1996	--	15.29	NP	--	--	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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-4	9/12/2005	261.16	18.09	NP	--	243.07	--
MW-4	12/6/2005	261.16	16.75	NP	--	244.41	--
MW-4	6/5/2006	261.16	16.57	NP	--	244.59	--
MW-4	9/29/2006	261.16	25.28	NP	--	235.88	--
MW-4	12/19/2006	261.16	15.49	NP	--	245.67	--
MW-4	9/24/2007	261.16	18.45	NP	--	242.71	--
MW-4	12/31/2007	261.16	16.41	NP	--	244.75	--
MW-4	1/30/2008	261.16	16.49	NP	--	244.67	--
MW-4	4/3/2008	261.16	22.96	NP	--	238.20	--
MW-4	7/2/2008	261.16	20.43	NP	--	240.73	--
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	--

TABLE 1
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ARCO Facility No. 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	8/29/2016	261.16	18.04	NP	--	243.12	--
MW-4	11/21/2016	261.16	15.31	NP	--	245.85	--
MW-4	2/15/2017	261.16	14.20	NP	--	246.96	--
MW-4	5/26/2017	261.16	15.21	NP	--	245.95	--
MW-4	10/17/2017	261.16	17.98	NP	--	243.18	--
MW-4	2/8/2018	261.16	14.25	NP	--	246.91	--
MW-4	9/11/2018	261.16	17.85	NP	--	243.31	--
MW-4	11/15/2018	261.16	17.40	NP	--	243.76	--
MW-4	1/29/2019	261.16	15.93	NP	--	245.23	--
MW-4	9/26/2019	261.16	18.74	NP	--	242.42	--
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	--

TABLE 1
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ARCO Facility No. 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-5	9/26/2001	261.04	14.22	NP	--	246.82	--
MW-5	12/3/2001	261.04	15.32	NP	--	245.72	--
MW-5	6/26/2003	261.04	16.83	NP	--	244.21	--
MW-5	12/9/2003	261.04	15.59	NP	--	245.45	--
MW-5	4/7/2004	261.04	16.10	NP	--	244.94	--
MW-5	11/16/2004	261.04	16.58	NP	--	244.46	--
MW-5	3/29/2005	261.04	16.03	NP	--	245.01	--
MW-5	6/22/2005	261.04	16.57	NP	--	244.47	--
MW-5	9/12/2005	261.04	17.44	NP	--	243.60	--
MW-5	12/6/2005	261.04	15.86	NP	--	245.18	--
MW-5	6/5/2006	261.04	15.78	NP	--	245.26	--
MW-5	9/29/2006	261.04	23.75	NP	--	237.29	--
MW-5	12/19/2006	261.04	14.58	NP	--	246.46	--
MW-5	9/24/2007	261.04	17.61	NP	--	243.43	--
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	--

TABLE 1
Groundwater Gauging Data
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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-5	11/14/2013	261.04	16.69	NP	--	244.35	--
MW-5	2/12/2014	261.04	15.95	NP	--	245.09	--
MW-5	4/1/2014	261.04	14.15	NP	--	246.89	--
MW-5	7/10/2014	261.04	16.72	NP	--	244.32	--
MW-5	10/21/2014	261.04	17.05	NP	--	243.99	--
MW-5	1/20/2015	261.04	14.53	NP	--	246.51	--
MW-5	12/14/2015	261.04	15.09	NP	--	245.95	--
MW-5	3/10/2016	261.04	13.82	NP	--	247.22	--
MW-5	8/29/2016	261.04	17.70	NP	--	243.34	--
MW-5	11/21/2016	261.04	14.77	NP	--	246.27	--
MW-5	2/15/2017	261.04	13.42	NP	--	247.62	--
MW-5	5/26/2017	261.04	14.82	NP	--	246.22	--
MW-5	10/17/2017	261.04	17.61	NP	--	243.43	--
MW-5	2/8/2018	261.04	13.66	NP	--	247.38	--
MW-5	9/11/2018	261.04	--	--	--	--	--
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	--	--	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 980
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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	3/16/2000	--	9.64	NP	--	--	--
MW-6	6/30/2000	--	10.10	NP	--	--	--
MW-6	9/27/2000	--	10.51	NP	--	--	--
MW-6	11/10/2000	--	9.25	NP	--	--	--
MW-6	3/19/2001	--	9.15	NP	--	--	--
MW-6	6/27/2001	--	9.96	NP	--	--	--
MW-6	9/26/2001	--	10.53	NP	--	--	WI
MW-6	12/3/2001	--	9.05	NP	--	--	--
MW-6	6/26/2003	--	10.02	NP	--	--	--
MW-6	12/9/2003	--	9.25	NP	--	--	--
MW-6	4/7/2004	--	8.65	NP	--	--	--
MW-6	11/16/2004	--	8.82	NP	--	--	--
MW-6	3/29/2005	--	8.10	NP	--	--	--
MW-6	6/22/2005	--	8.77	NP	--	--	--
MW-6	9/12/2005	--	9.65	NP	--	--	--
MW-6	12/6/2005	--	8.24	NP	--	--	--
MW-6	6/5/2006	--	8.08	NP	--	--	--
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	--	--	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 980
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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-6	3/8/2012	--	11.03	NP	--	--	--
MW-6	6/19/2012	--	15.09	NP	--	--	--
MW-6	9/21/2012	--	10.71	NP	--	--	--
MW-6	12/11/2012	--	9.46	NP	--	--	--
MW-6	6/25/2013	--	10.03	NP	--	--	--
MW-6	9/25/2013	--	10.32	NP	--	--	--
MW-6	11/14/2013	--	9.86	NP	--	--	--
MW-6	2/12/2014	--	9.44	NP	--	--	--
MW-6	4/1/2014	--	8.87	NP	--	--	--
MW-6	7/9/2014	--	9.97	NP	--	--	--
MW-6	10/20/2014	--	10.09	NP	--	--	--
MW-6	1/19/2015	--	9.05	NP	--	--	--
MW-6	12/14/2015	--	8.81	NP	--	--	--
MW-6	3/10/2016	--	8.46	NP	--	--	--
MW-7	10/5/1994	--	17.62	NP	--	--	--
MW-7	2/15/1995	--	15.00	NP	--	--	--
MW-7	4/10/1995	--	15.10	NP	--	--	--
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	--	--	--

TABLE 1
Groundwater Gauging Data
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Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-7	9/27/2000	--	16.53	NP	--	--	--
MW-7	11/10/2000	--	15.85	NP	--	--	--
MW-7	3/19/2001	--	15.48	NP	--	--	--
MW-7	6/27/2001	--	16.11	NP	--	--	--
MW-7	9/26/2001	--	16.67	NP	--	--	--
MW-7	12/3/2001	--	14.29	NP	--	--	--
MW-7	12/9/2003	--	14.50	NP	--	--	--
MW-7	4/7/2004	--	14.97	NP	--	--	--
MW-7	11/16/2004	--	15.24	NP	--	--	--
MW-7	3/29/2005	--	14.41	NP	--	--	--
MW-7	6/22/2005	--	15.39	NP	--	--	--
MW-7	9/12/2005	--	16.18	NP	--	--	--
MW-7	12/6/2005	--	14.47	NP	--	--	--
MW-7	6/5/2006	--	14.43	NP	--	--	--
MW-7	9/29/2006	--	21.71	NP	--	--	--
MW-7	12/19/2006	--	13.63	NP	--	--	--
MW-7	9/24/2007	--	--	--	--	--	Dry
MW-7	12/31/2007	--	14.54	NP	--	--	--
MW-7	1/30/2008	--	14.66	NP	--	--	--
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	--	--	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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-7	12/11/2012	--	13.45	NP	--	--	--
MW-7	6/25/2013	--	15.19	NP	--	--	--
MW-7	9/25/2013	--	15.85	NP	--	--	--
MW-7	11/14/2013	--	15.32	NP	--	--	--
MW-7	2/12/2014	--	15.77	NP	--	--	--
MW-7	4/1/2014	--	13.15	NP	--	--	--
MW-7	7/9/2014	--	15.56	NP	--	--	--
MW-7	10/20/2014	--	15.63	NP	--	--	--
MW-7	1/19/2015	--	14.06	NP	--	--	--
MW-8	10/5/1994	--	18.11	NP	--	--	--
MW-8	2/15/1995	--	15.07	NP	--	--	--
MW-8	4/10/1995	--	15.07	NP	--	--	--
MW-8	7/20/1995	--	16.96	NP	--	--	--
MW-8	10/25/1995	--	16.85	NP	--	--	--
MW-8	1/23/1996	259.58	13.95	NP	--	245.63	--
MW-8	4/17/1996	259.58	15.46	NP	--	244.12	--
MW-8	7/8/1996	259.58	15.89	NP	--	243.69	--
MW-8	10/10/1996	259.58	16.70	NP	--	242.88	--
MW-8	3/11/1997	259.58	14.19	NP	--	245.39	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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	9/26/2001	259.58	17.64	NP	--	241.94	--
MW-8	12/3/2001	259.58	15.17	NP	--	244.41	--
MW-8	6/6/2002	259.58	16.00	NP	--	243.58	--
MW-8	6/26/2003	259.58	16.52	NP	--	243.06	--
MW-8	12/9/2003	259.58	15.45	NP	--	244.13	--
MW-8	4/7/2004	259.58	15.51	NP	--	244.07	--
MW-8	11/16/2004	259.58	16.45	NP	--	243.13	--
MW-8	3/29/2005	259.58	16.08	NP	--	243.50	--
MW-8	6/22/2005	259.58	16.12	NP	--	243.46	--
MW-8	9/12/2005	259.58	17.15	NP	--	242.43	--
MW-8	12/6/2005	259.58	15.80	NP	--	243.78	--
MW-8	6/5/2006	259.58	15.08	NP	--	244.50	--
MW-8	9/24/2007	259.58	17.16	NP	--	242.42	--
MW-8	12/31/2007	259.58	15.00	NP	--	244.58	--
MW-8	1/30/2008	259.58	14.87	NP	--	244.71	--
MW-8	4/2/2008	259.58	18.07	NP	--	241.51	--
MW-8	7/1/2008	259.58	18.34	NP	--	241.24	--
MW-8	10/3/2008	259.58	19.32	NP	--	240.26	--
MW-8	1/6/2009	259.58	18.14	NP	--	241.44	--
MW-8	4/8/2009	259.58	17.70	NP	--	241.88	--
MW-8	7/8/2009	259.58	16.95	NP	--	242.63	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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	2/13/2014	259.58	15.84	NP	--	243.74	--
MW-8	4/2/2014	259.58	13.65	NP	--	245.93	--
MW-8	7/10/2014	259.58	16.03	NP	--	243.55	--
MW-8	10/21/2014	259.58	16.79	NP	--	242.79	--
MW-8	1/19/2015	259.58	14.35	NP	--	245.23	--
MW-8	6/1/2016	259.58	15.25	NP	--	244.33	--
MW-8	8/29/2016	259.58	17.04	NP	--	242.54	--
MW-8	11/21/2016	259.58	14.69	NP	--	244.89	--
MW-8	2/15/2017	259.58	10.47	NP	--	249.11	--
MW-8	5/26/2017	259.58	12.43	NP	--	247.15	--
MW-8	10/17/2017	259.58	16.62	NP	--	242.96	--
MW-8	2/8/2018	259.58	11.71	NP	--	247.87	--
MW-8	9/11/2018	259.58	16.78	NP	--	242.80	--
MW-8	11/15/2018	259.58	16.66	NP	--	242.92	--
MW-8	1/29/2019	259.58	14.89	NP	--	244.69	--
MW-8	9/26/2019	259.58	17.06	NP	--	242.52	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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	12/20/1999	258.96	15.85	NP	--	243.11	--
MW-9	3/16/2000	258.96	16.35	NP	--	242.61	--
MW-9	6/30/2000	258.96	18.05	NP	--	240.91	--
MW-9	9/27/2000	258.96	18.87	NP	--	240.09	--
MW-9	11/10/2000	258.96	18.04	NP	--	240.92	--
MW-9	3/19/2001	258.96	17.50	NP	--	241.46	--
MW-9	6/27/2001	258.96	18.08	NP	--	240.88	--
MW-9	9/26/2001	258.96	18.80	NP	--	240.16	--
MW-9	12/3/2001	258.96	16.25	NP	--	242.71	WI
MW-9	6/6/2002	258.96	17.72	NP	--	241.24	--
MW-9	6/26/2003	258.96	18.07	NP	--	240.89	--
MW-9	12/9/2003	258.96	16.51	NP	--	242.45	--
MW-9	4/7/2004	258.96	17.10	NP	--	241.86	--
MW-9	11/16/2004	258.96	17.21	NP	--	241.75	--
MW-9	3/29/2005	258.96	16.81	NP	--	242.15	--
MW-9	6/22/2005	258.96	17.70	NP	--	241.26	--
MW-9	9/12/2005	258.96	18.64	NP	--	240.32	--
MW-9	12/6/2005	258.96	17.10	NP	--	241.86	--
MW-9	6/5/2006	258.96	17.01	NP	--	241.95	--
MW-9	9/24/2007	258.96	18.88	NP	--	240.08	--
MW-9	12/31/2007	258.96	16.57	NP	--	242.39	--
MW-9	1/30/2008	258.96	--	--	--	--	WI
MW-9	4/2/2008	258.96	19.63	NP	--	239.33	--
MW-9	7/1/2008	258.96	19.99	NP	--	238.97	--
MW-9	10/3/2008	258.96	20.74	NP	--	238.22	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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	3/8/2012	258.96	17.17	NP	--	241.79	--
MW-9	6/19/2012	258.96	17.22	NP	--	241.74	--
MW-9	9/21/2012	258.96	18.54	NP	--	240.42	--
MW-9	12/11/2012	258.96	15.20	NP	--	243.76	--
MW-9	6/26/2013	258.96	17.31	NP	--	241.65	--
MW-9	9/25/2013	258.96	18.23	NP	--	240.73	--
MW-9	11/14/2013	258.96	17.64	NP	--	241.32	--
MW-9	2/14/2014	258.96	16.96	NP	--	242.00	--
MW-9	4/2/2014	258.96	15.05	NP	--	243.91	--
MW-9	7/10/2014	258.96	17.54	NP	--	241.42	--
MW-9	10/21/2014	258.96	17.90	NP	--	241.06	--
MW-9	1/20/2015	258.96	15.88	NP	--	243.08	--
MW-9	12/14/2015	258.96	15.40	NP	--	243.56	--
MW-9	3/10/2016	258.96	14.74	NP	--	244.22	--
MW-9	6/1/2016	258.96	17.06	NP	--	241.90	--
MW-9	8/29/2016	258.96	18.48	NP	--	240.48	--
MW-9	11/21/2016	258.96	15.80	NP	--	243.16	--
MW-9	2/15/2017	258.96	13.94	NP	--	245.02	--
MW-9	5/26/2017	258.96	15.34	NP	--	243.62	--
MW-9	10/17/2017	258.96	18.29	NP	--	240.67	--
MW-9	2/8/2018	258.96	14.09	NP	--	244.87	--
MW-9	9/11/2018	258.96	18.31	NP	--	240.65	--
MW-9	11/15/2018	258.96	17.71	NP	--	241.25	--
MW-9	1/29/2019	258.96	16.02	NP	--	242.94	--
MW-9	9/26/2019	258.96	18.02	NP	--	240.94	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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-10	8/5/1997	256.56	16.49	NP	--	240.07	--
MW-10	10/23/1997	256.56	13.82	NP	--	242.74	--
MW-10	3/11/1998	256.56	14.09	NP	--	242.47	--
MW-10	6/30/1998	256.56	16.38	NP	--	240.18	--
MW-10	9/25/1998	256.56	16.69	NP	--	239.87	--
MW-10	12/29/1998	256.56	13.83	NP	--	242.73	--
MW-10	3/9/1999	256.56	13.44	NP	--	243.12	--
MW-10	6/2/1999	256.56	15.31	NP	--	241.25	--
MW-10	9/27/1999	256.56	16.51	NP	--	240.05	--
MW-10	12/20/1999	256.56	13.99	NP	--	242.57	--
MW-10	3/16/2000	256.56	14.60	NP	--	241.96	--
MW-10	6/30/2000	256.56	16.17	NP	--	240.39	--
MW-10	9/27/2000	256.56	17.02	NP	--	239.54	--
MW-10	11/10/2000	256.56	16.02	NP	--	240.54	--
MW-10	3/19/2001	256.56	15.55	NP	--	241.01	--
MW-10	6/27/2001	256.56	16.11	NP	--	240.45	--
MW-10	9/26/2001	256.56	16.90	NP	--	239.66	--
MW-10	12/3/2001	256.56	14.05	NP	--	242.51	WI
MW-10	6/6/2002	256.56	15.95	NP	--	240.61	--
MW-10	6/26/2003	256.56	16.30	NP	--	240.26	--
MW-10	12/9/2003	256.56	14.55	NP	--	242.01	--
MW-10	4/7/2004	256.56	15.36	NP	--	241.20	--
MW-10	11/16/2004	256.56	16.00	NP	--	240.56	--
MW-10	3/29/2005	256.56	14.88	NP	--	241.68	--
MW-10	6/22/2005	256.56	15.95	NP	--	240.61	--
MW-10	9/12/2005	256.56	16.80	NP	--	239.76	--
MW-10	12/6/2005	256.56	15.13	NP	--	241.43	--
MW-10	6/5/2006	256.56	15.22	NP	--	241.34	--
MW-10	9/24/2007	256.56	17.06	NP	--	239.50	--
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	--

TABLE 1
Groundwater Gauging Data
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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	10/6/2009	256.56	17.32	NP	--	239.24	--
MW-10	1/5/2010	256.56	14.69	NP	--	241.87	--
MW-10	5/25/2010	256.56	15.57	NP	--	240.99	--
MW-10	8/19/2010	256.56	16.68	NP	--	239.88	--
MW-10	12/7/2010	256.56	15.15	NP	--	241.41	--
MW-10	1/26/2011	256.56	13.78	NP	--	242.78	--
MW-10	6/16/2011	256.56	15.41	NP	--	241.15	--
MW-10	9/22/2011	256.56	17.88	NP	--	238.68	--
MW-10	12/6/2011	256.56	17.11	NP	--	239.45	--
MW-10	3/8/2012	256.56	15.34	NP	--	241.22	--
MW-10	6/19/2012	256.56	15.63	NP	--	240.93	--
MW-10	9/21/2012	256.56	16.89	NP	--	239.67	--
MW-10	12/11/2012	256.56	13.59	NP	--	242.97	--
MW-10	6/26/2013	256.56	15.77	NP	--	240.79	--
MW-10	9/25/2013	256.56	16.42	NP	--	240.14	--
MW-10	11/14/2013	256.56	15.96	NP	--	240.60	--
MW-10	2/13/2014	256.56	15.24	NP	--	241.32	--
MW-10	4/2/2014	256.56	13.63	NP	--	242.93	--
MW-10	7/11/2014	256.56	16.15	NP	--	240.41	--
MW-10	10/21/2014	256.56	16.20	NP	--	240.36	--
MW-10	1/20/2015	256.56	14.33	NP	--	242.23	--
MW-10	3/11/2016	256.56	13.05	NP	--	243.51	--
MW-10	8/29/2016	256.56	16.92	NP	--	239.64	--
MW-10	11/21/2016	256.56	14.11	NP	--	242.45	--
MW-10	2/15/2017	256.56	12.77	NP	--	243.79	--
MW-10	5/26/2017	256.56	14.33	NP	--	242.23	--
MW-10	10/17/2017	256.56	16.68	NP	--	239.88	--
MW-10	2/8/2018	256.56	12.94	NP	--	243.62	--
MW-10	9/11/2018	256.56	16.81	NP	--	239.75	--
MW-10	11/15/2018	256.56	16.14	NP	--	240.42	--
MW-10	1/29/2019	256.56	14.65	NP	--	241.91	--
MW-10	9/26/2019	256.56	16.44	NP	--	240.12	--
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	--	--	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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	4/17/1996	--	20.50	NP	--	--	--
MW-11	7/8/1996	261.85	20.55	15.50	5.05	245.09	--
MW-11	10/10/1996	261.85	16.25	15.00	1.25	246.54	--
MW-11	3/11/1997	261.85	16.39	15.47	0.92	246.15	--
MW-11	5/29/1997	261.85	12.99	12.82	0.17	248.99	--
MW-11	8/5/1997	261.85	14.81	14.11	0.70	247.56	--
MW-11	10/23/1997	261.85	20.04	19.93	0.11	241.89	--
MW-11	3/11/1998	261.85	15.00	NP	--	246.85	--
MW-11	6/30/1998	261.85	13.26	NP	--	248.59	--
MW-11	9/25/1998	261.85	16.49	16.47	0.02	245.37	--
MW-11	12/29/1998	261.85	14.43	NP	--	247.42	--
MW-11	3/9/1999	261.85	10.35	NP	--	251.50	--
MW-11	6/2/1999	261.85	16.34	16.32	0.02	245.52	--
MW-11	9/27/1999	261.85	15.80	NP	--	246.05	--
MW-11	12/20/1999	261.85	15.21	NP	--	246.64	--
MW-11	3/16/2000	261.85	11.90	NP	--	249.95	--
MW-11	6/30/2000	261.85	17.35	NP	--	244.50	--
MW-11	9/27/2000	261.85	18.20	18.14	0.06	243.69	--
MW-11	11/10/2000	261.85	17.28	17.26	0.02	244.58	--
MW-11	3/19/2001	261.85	17.16	17.15	0.01	244.70	--
MW-11	6/27/2001	261.85	16.80	NP	--	245.05	--
MW-11	9/26/2001	261.85	15.30	NP	--	246.55	WI
MW-11	12/3/2001	261.85	15.90	NP	--	245.95	--
MW-11	6/6/2002	261.85	16.84	NP	--	245.01	WI
MW-11	6/26/2003	261.85	17.49	17.45	0.04	244.39	WI
MW-11	12/9/2003	261.85	16.19	NP	--	245.66	--
MW-11	4/7/2004	261.85	16.48	16.46	0.02	245.38	--
MW-11	11/16/2004	261.85	17.00	NP	--	244.85	--
MW-11	3/29/2005	261.85	16.15	NP	--	245.70	--
MW-11	6/22/2005	261.85	17.15	NP	--	244.70	--
MW-11	9/12/2005	261.85	17.99	NP	--	243.86	--
MW-11	12/6/2005	261.85	16.68	NP	--	245.17	--
MW-11	6/5/2006	261.85	16.55	NP	--	245.30	--
MW-11	9/29/2006	261.85	20.90	NP	--	240.95	--
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

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 980
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Seattle, WA 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-11	4/3/2008	261.85	--	--	--	--	WI
MW-11	7/1/2008	261.85	--	--	--	--	WI
MW-11	10/3/2008	261.85	21.82	NP	--	240.03	--
MW-11	1/6/2009	261.85	--	--	--	--	Dry
MW-11	4/8/2009	261.85	19.20	NP	--	242.65	--
MW-11	7/8/2009	261.85	18.09	NP	--	243.76	--
MW-11	10/6/2009	261.85	18.77	NP	--	243.08	--
MW-11	1/5/2010	261.85	16.14	NP	--	245.71	--
MW-11	5/25/2010	261.85	16.56	NP	--	245.29	--
MW-11	8/19/2010	261.85	17.84	NP	--	244.01	--
MW-11	12/7/2010	261.85	16.95	NP	--	244.90	--
MW-11	1/26/2011	261.85	14.91	NP	--	246.94	--
MW-11	6/16/2011	261.85	16.29	NP	--	245.56	--
MW-11	9/22/2011	261.85	20.40	NP	--	241.45	--
MW-11	12/6/2011	261.85	18.11	NP	--	243.74	--
MW-11	3/8/2012	261.85	17.40	NP	--	244.45	--
MW-11	6/19/2012	261.85	16.80	NP	--	245.05	--
MW-11	9/21/2012	261.85	18.15	NP	--	243.70	--
MW-11	12/11/2012	261.85	14.80	NP	--	247.05	--
MW-11	6/27/2013	261.85	16.88	NP	--	244.97	--
MW-11	9/26/2013	261.85	17.90	NP	--	243.95	--
MW-11	11/15/2013	261.85	17.07	NP	--	244.78	--
MW-11	2/13/2014	261.85	16.51	NP	--	245.34	--
MW-11	4/2/2014	261.85	14.52	NP	--	247.33	--
MW-11	7/11/2014	261.85	17.12	NP	--	244.73	--
MW-11	10/22/2014	261.85	17.54	NP	--	244.31	--
MW-11	1/21/2015	261.85	15.60	NP	--	246.25	--
MW-11	12/14/2015	261.85	14.20	NP	--	247.65	--
MW-11	3/10/2016	261.85	14.86	NP	--	246.99	--
MW-11	6/1/2016	261.85	16.95	NP	--	244.90	--
MW-11	8/29/2016	261.85	18.11	NP	--	243.74	--
MW-11	11/21/2016	261.85	15.50	NP	--	246.35	--
MW-11	2/15/2017	261.85	14.54	NP	--	247.31	--
MW-11	5/26/2017	261.85	15.66	NP	--	246.19	--
MW-11	10/17/2017	261.85	18.04	NP	--	243.81	--
MW-11	2/8/2018	261.85	14.45	NP	--	247.40	--
MW-11	9/11/2018	261.85	17.96	NP	--	243.89	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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-11	11/15/2018	261.85	17.42	NP	--	244.43	--
MW-11	1/29/2019	261.85	15.89	NP	--	245.96	--
MW-11	9/26/2019	261.85	17.77	NP	--	244.08	--
MW-12	7/11/1996	257.84	11.69	NP	--	246.15	--
MW-12	10/10/1996	257.84	13.63	NP	--	244.21	--
MW-12	3/11/1997	257.84	8.65	NP	--	249.19	--
MW-12	5/29/1997	257.84	11.17	NP	--	246.67	--
MW-12	8/5/1997	257.84	11.68	NP	--	246.16	--
MW-12	10/23/1997	257.84	11.41	NP	--	246.43	--
MW-12	3/11/1998	257.84	10.50	NP	--	247.34	--
MW-12	6/30/1998	257.84	13.12	NP	--	244.72	--
MW-12	9/25/1998	257.84	13.57	13.51	0.06	244.32	--
MW-12	12/29/1998	257.84	11.37	NP	--	246.47	--
MW-12	3/9/1999	257.84	10.67	NP	--	247.17	--
MW-12	6/2/1999	257.84	12.48	NP	--	245.36	--
MW-12	9/27/1999	257.84	13.76	13.50	0.26	244.27	--
MW-12	12/20/1999	257.84	11.64	11.24	0.40	246.50	--
MW-12	3/16/2000	257.84	11.75	11.74	0.01	246.10	--
MW-12	6/30/2000	257.84	13.45	NP	--	244.39	--
MW-12	9/27/2000	257.84	14.00	13.84	0.16	243.96	--
MW-12	11/10/2000	257.84	13.28	13.03	0.25	244.75	--
MW-12	3/19/2001	257.84	13.20	13.00	0.20	244.79	--
MW-12	6/27/2001	257.84	13.95	13.92	0.03	243.91	--
MW-12	9/26/2001	257.84	14.10	14.08	0.02	243.75	--
MW-12	12/3/2001	257.84	12.16	12.13	0.03	245.70	--
MW-12	6/6/2002	257.84	13.30	13.25	0.05	244.58	--
MW-12	6/26/2003	257.84	13.52	13.25	0.27	244.52	--
MW-12	12/9/2003	257.84	12.18	12.16	0.02	245.68	--
MW-12	4/7/2004	257.84	12.71	NP	--	245.13	--
MW-12	11/16/2004	257.84	13.00	12.80	0.20	244.99	--
MW-12	3/29/2005	257.84	12.08	NP	--	245.76	--
MW-12	6/22/2005	257.84	13.04	NP	--	244.80	--
MW-12	9/12/2005	257.84	13.84	NP	--	244.00	--
MW-12	12/6/2005	257.84	12.26	NP	--	245.58	--
MW-12	6/5/2006	257.84	12.11	NP	--	245.73	--
MW-12	9/29/2006	257.84	17.50	NP	--	240.34	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 980
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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	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	--
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	--

TABLE 1
Groundwater Gauging Data
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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	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	--
MW-12	9/11/2018	257.84	13.57	NP	--	244.27	--
MW-12	11/15/2018	257.84	13.10	NP	--	244.74	--
MW-12	1/29/2019	257.84	11.50	NP	--	246.34	--
MW-12	9/26/2019	257.84	13.42	NP	--	244.42	--
MW-13	9/26/2019	258.01	13.34	NP	--	244.67	--
MW-14	9/26/2019	258.27	6.08	NP	--	252.19	--
MW-15	9/26/2019	258.25	13.92	NP	--	244.33	--
MW-16	9/26/2019	259.53	16.41	NP	--	243.12	--
VP-1	10/5/1994	--	15.20	NP	--	--	--
VP-1	2/15/1995	--	12.47	NP	--	--	--
VP-1	4/11/1995	--	13.44	NP	--	--	--
VP-1	7/20/1995	--	14.00	NP	--	--	--
VP-1	10/26/1995	--	14.08	NP	--	--	--
VP-1	1/23/1996	--	11.97	NP	--	--	--
VP-1	4/17/1996	--	12.80	NP	--	--	--
VP-1	7/8/1996	--	11.45	NP	--	--	--
VP-1	10/10/1996	--	14.17	NP	--	--	--
VP-1	3/11/1997	--	12.10	NP	--	--	--
VP-1	5/29/1997	--	11.11	NP	--	--	--
VP-1	8/5/1997	--	12.01	NP	--	--	--
VP-1	10/23/1997	--	14.11	NP	--	--	--
VP-1	3/11/1998	--	9.88	NP	--	--	--
VP-1	6/30/1998	--	14.14	NP	--	--	--
VP-1	9/25/1998	--	14.08	NP	--	--	--
VP-1	12/29/1998	--	11.50	NP	--	--	--
VP-1	3/9/1999	--	10.55	NP	--	--	--
VP-1	6/2/1999	--	12.35	NP	--	--	--
VP-1	9/27/1999	--	13.72	NP	--	--	--

TABLE 1
Groundwater Gauging Data
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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	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	--	--	--
VP-1	1/26/2011	--	11.40	NP	--	--	--
VP-1	6/16/2011	--	13.09	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	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	--	--	--
VP-2	10/10/1996	--	16.96	NP	--	--	--
VP-2	3/11/1997	--	10.98	NP	--	--	--

TABLE 1
Groundwater Gauging Data
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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-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	--	--	--
VP-2	1/6/2009	--	17.02	NP	--	--	--
VP-2	4/8/2009	--	13.72	NP	--	--	--

TABLE 1
Groundwater Gauging Data
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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-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	--	--	--
BV-1	9/25/1998	--	8.01	NP	--	--	--
BV-1	12/29/1998	--	7.00	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-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	--	--	--
BV-2	6/30/2000	--	9.40	NP	--	--	--
BV-2	9/27/2000	--	10.08	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	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	--	--	--
BV-3	9/27/2000	--	14.52	NP	--	--	--
BV-3	11/10/2000	--	13.39	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	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	--	--	--
BV-4	4/1/2014	--	9.09	NP	--	--	--
BV-4	7/9/2014	--	--	--	--	--	Dry

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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	--	--	--
BV-5	7/9/2014	--	9.39	NP	--	--	--
BV-5	10/20/2014	--	9.55	NP	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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	--	--	--
BV-7	7/8/1996	--	12.00	NP	--	--	--
BV-7	10/10/1996	--	13.92	13.91	0.01	--	--

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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	--	--	--
SVE-1	3/11/1997	--	12.32	NP	--	--	--
SVE-1	5/29/1997	--	10.19	NP	--	--	--

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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	--	--	--
SVE-1	11/15/2013	--	13.48	NP	--	--	--
SVE-1	2/13/2014	--	12.82	NP	--	--	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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
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	--	--	--
SVE-2	4/1/2014	--	11.15	NP	--	--	--
SVE-2	7/9/2014	--	14.17	NP	--	--	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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
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	--	--	--
SVE-3	4/2/2008	--	--	--	--	--	Dry
SVE-3	7/1/2008	--	--	--	--	--	Dry

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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
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	--	--	--
B1 (JPHC)	2/15/1995	--	14.72	11.45	3.27	--	--
B1 (JPHC)	7/20/1995	--	14.63	14.37	0.26	--	--

TABLE 1
Groundwater Gauging Data
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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)	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	--
B1 (JPHC)	12/31/2007	257.71	--	--	--	--	WI
B1 (JPHC)	1/30/2008	257.71	12.76	NP	--	244.95	--

TABLE 1
Groundwater Gauging Data
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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)	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	--
B1 (JPHC)	9/28/2017	257.71	14.05	NP	--	243.66	--
B1 (JPHC)	10/17/2017	257.71	14.04	NP	--	243.67	--

TABLE 1
Groundwater Gauging Data
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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)	2/8/2018	257.71	10.66	NP	--	247.05	--
B1 (JPHC)	9/11/2018	257.71	14.02	NP	--	243.69	--
B1 (JPHC)	11/15/2018	257.71	13.50	NP	--	244.21	--
B1 (JPHC)	1/29/2019	257.71	12.03	NP	--	245.68	--
B1 (JPHC)	9/26/2019	257.71	13.78	NP	--	243.93	--
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	--

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

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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
B3 (JPHC)	12/14/2015	258.41	12.68	NP	--	245.73	--
B3 (JPHC)	3/11/2016	258.41	11.97	NP	--	246.44	--
B3 (JPHC)	8/29/2016	258.41	15.33	NP	--	243.08	--
B3 (JPHC)	11/21/2016	258.41	12.23	NP	--	246.18	--
B3 (JPHC)	2/15/2017	258.41	11.77	NP	--	246.64	--
B3 (JPHC)	5/26/2017	258.41	12.67	NP	--	245.74	--
B3 (JPHC)	10/17/2017	258.41	15.19	NP	--	243.22	--
B3 (JPHC)	2/8/2018	258.41	11.88	NP	--	246.53	--
B3 (JPHC)	9/11/2018	258.41	15.18	NP	--	243.23	--
B3 (JPHC)	11/15/2018	258.41	--	--	--	--	WI
B3 (JPHC)	1/29/2019	258.41	--	--	--	--	WI
B3 (JPHC)	9/26/2019	258.41	14.84	NP	--	243.57	--
IW-1	3/10/2017	--	11.45	10.61	0.84	--	--
IW-1	3/17/2017	--	9.90	9.88	0.02	--	--
IW-1	3/24/2017	--	10.06	NP	--	--	--
IW-1	3/30/2017	--	10.71	NP	--	--	--
IW-1	4/7/2017	--	10.21	NP	--	--	--
IW-1	4/14/2017	--	10.51	NP	--	--	--
IW-1	4/28/2017	--	11.15	NP	--	--	--
IW-1	5/26/2017	--	11.38	11.37	0.01	--	--
IW-1	9/28/2017	--	13.63	NP	--	--	--
IW-1	10/5/2017	--	13.71	NP	--	--	--
IW-1	10/17/2017	--	13.68	NP	--	--	--
IW-1	11/6/2017	--	13.11	NP	--	--	--
IW-1	11/17/2017	--	12.58	NP	--	--	--
IW-1	12/7/2017	--	11.28	NP	--	--	--
IW-1	1/18/2018	--	10.58	10.57	0.01	--	--
IW-1	2/8/2018	--	--	--	--	--	WI
IW-1	9/11/2018	--	--	--	--	--	WI
IW-1	11/15/2018	--	13.06	NP	--	--	--
IW-1	1/29/2019	--	12.50	NP	--	--	--
IW-1	9/26/2019	--	13.47	NP	--	--	--
IW-2	3/10/2017	--	11.30	NP	--	--	--
IW-2	3/17/2017	--	10.46	NP	--	--	--
IW-2	3/24/2017	--	10.69	NP	--	--	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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-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-2	9/11/2018	--	--	--	--	--	WI
IW-2	11/15/2018	--	--	--	--	--	WI
IW-2	1/29/2019	--	11.70	NP	--	--	--
IW-2	9/26/2019	--	13.79	NP	--	--	--
IW-3	3/10/2017	--	10.55	NP	--	--	--
IW-3	3/17/2017	--	9.80	NP	--	--	--
IW-3	3/24/2017	--	9.92	NP	--	--	--
IW-3	3/30/2017	--	10.28	NP	--	--	--
IW-3	4/7/2017	--	10.07	NP	--	--	--
IW-3	4/14/2017	--	10.24	NP	--	--	--
IW-3	4/28/2017	--	10.75	NP	--	--	--
IW-3	5/26/2017	--	11.21	NP	--	--	--
IW-3	10/17/2017	--	13.52	NP	--	--	--
IW-3	2/8/2018	--	9.95	NP	--	--	--
IW-3	9/11/2018	--	13.45	NP	--	--	--
IW-3	11/15/2018	--	13.15	NP	--	--	--
IW-3	1/29/2019	--	11.61	NP	--	--	--
IW-3	9/26/2019	--	13.22	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	--	--	--

TABLE 1
Groundwater Gauging Data
ARCO Facility No. 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-4	9/11/2018	--	13.39	NP	--	--	--
IW-4	11/15/2018	--	12.90	NP	--	--	--
IW-4	1/29/2019	--	11.47	NP	--	--	--
IW-4	9/26/2019	--	13.24	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 No. 980
10822 Rosevelt Way NE
Seattle, WA 98125

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

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	
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	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50	48	61	< 2.0	< 2.0
MW-2	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	< 10	< 19	48 JB	< 0.17	< 0.17
MW-2	7/10/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 10	< 9.5	< 14	< 0.17	3.5
MW-2	10/21/2014	< 1.0	< 1.0	< 1.0	0.17 JB	< 1.0	--	--	< 50	35	< 250	0.55 JB	< 2.0
MW-2	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 27	29	180 JB^	< 0.17	< 0.17
MW-2	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0*	--	--	< 50	37 JB	< 250	0.24 J	< 2.0
MW-2	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	430	490	< 2.0	< 2.0
MW-2	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-2	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 100	< 250	< 4.0	< 4.0
MW-2	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 120	< 400	< 4.0	< 4.0
MW-2	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-2	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-2	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-2	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-3	10/5/1994	**12**	3	< 0.5	1.5	--	**3**	< 0.51	< 50	--	--	< 2.0	--
MW-3	2/15/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	< 2.0	--
MW-3	7/20/1995	0.78	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-3	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-3	7/8/1996	0.879	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-3	3/11/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-3	5/29/1997	2.10	< 0.5	< 0.5	< 1.0	--	--	--	223	--	--	--	--
MW-3	8/5/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	56.5	--	--	--	--
MW-3	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-3	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-3	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-3	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-3	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-3	4/7/2004	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-3	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	1.52	< 1.00
MW-3	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-3	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 258	< 515	< 1.00	< 1.00
MW-3	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-3	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-3	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	--	--	--	--
MW-3	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
MW-3	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-3	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-3	4/7/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 240	< 481	< 1.00	< 1.00
MW-4	1/23/1996	**5000**	**5100**	**2000**	**15000**	--	--	--	**3300000**	**9000**	**14000**	--	--
MW-4	3/9/1999	4.76	< 0.5	< 0.5	1.73	--	--	--	53.3	< 250	< 750	--	--
MW-4	9/27/1999	4.04	< 0.500	< 0.500	< 10.0	--	--	--	**2100**	**590**	--	--	--
MW-4	12/20/1999	**690**	< 2.50	4.77	33.7	--	--	--	385	< 498	--	--	--
MW-4	3/16/2000	**52.8**	1.22	3.25	25.3	--	--	--	685	--	--	--	--
MW-4	6/30/2000	**152**	5.70	3.54	31.1	--	--	--	**983**	**3340**	< 750	--	--

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
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	
MW-4	9/27/2000	**147**	3.51	19.4	64.7	--	--	--	**1430**	**1800**	< 750	--	--
MW-4	3/19/2001	**338**	< 5.00	14.0	31.9	**319**	--	--	**1040**	**739**	< 1450	--	--
MW-4	6/27/2001	**37.8**	0.821	1.69	13.0	18.6	--	--	630	< 250	< 750	--	--
MW-4	9/26/2001	**1850**	491	**3480**	**30100**	**149**	--	--	**611000**	**11300**	**11500**	--	--
MW-4	12/3/2001	**325**	< 5.00	< 5.00	32.5	**34.7**	--	--	**1980**	**2120**	**3880**	--	--
MW-4	6/6/2002	**199**	< 2.50	6.30	48.6	**33.2**	< 0.01	< 1.00	**2940**	**1620**	**2160**	6.96	2.43
MW-4	6/26/2003	**1350**	< 5.00	45.1	52.1	< 20.0	--	--	**4410**	**6630**	**3070**	4.04	1.87
MW-4	12/9/2003	**918**	2.52	64.0	47.6	**38.2**	--	--	**3200**	**1240**	**2450**	< 1.00	< 1.00
MW-4	4/7/2004	**1230**	< 5.00	10.1	25.2	< 10.0	--	--	**3470**	**711**	**1230**	2.45	1.58
MW-4	11/16/2004	**990**	< 5.00	96.9	154	**20.9**	--	--	**76200**	**24300**	**8350**	11.5	< 1.00
MW-4	3/29/2005	**5920**	79.0	**1140**	**6630**	< 100	< 0.010	< 25.0	**28900**	**16700**	**25800**	**204**	--
MW-4	6/22/2005	**1070**	< 5.00	22.5	44.7	< 20.0	--	--	**2730**	**4600**	**6130**	10	< 1.00
MW-4	9/12/2005	**980**	10.3	143	55.1	16.2	--	--	**5450**	**1070**	**1590**	2.62	< 1.00
MW-4	12/6/2005	**737**	5.0	127	58.0	< 10.0	--	--	**4320**	**1030**	**1720**	2.42	< 1.00
MW-4	6/5/2006	**851**	< 10.0	146	168	< 20.0	--	--	**3720**	430	**641**	3.04	< 1.00
MW-4	9/29/2006	< 0.500	< 0.500	0.81	< 3.00	--	--	--	174	--	--	--	--
MW-4	12/19/2006	**33.8**	< 0.500	2.35	2.03	--	--	--	566	--	--	--	--
MW-4	9/24/2007	**99.5**	1.62	67.3	82.2	< 1.00	--	--	**1360**	**1610**	**3710**	--	--
MW-4	12/31/2007	**111**	2.9	53.6	63.5	< 1.00	--	--	**1620**	< 236	< 472	--	--
MW-4	1/30/2008	**134**	11.6	13.2	63.2	< 1.00	--	--	**1640**	< 236	< 472	--	--
MW-4	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	--	--	--	--
MW-4	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
MW-4	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-4	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	**644**	--	--
MW-4	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
MW-4	7/8/2009	0.900	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 248	< 495	3.95	2.96
MW-4	10/6/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	69	< 245	< 490	3.6	2.9
MW-4	1/5/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	< 120	250	3.8	< 2.00
MW-4	5/25/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	210	< 240	< 2.00	< 2.00
MW-4	8/19/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	140	< 240	< 2.00	< 2.00
MW-4	12/7/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	420	**920**	2.6	< 2.0
MW-4	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	260	330	3.0	< 2.0
MW-4	6/16/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	**1200**	**2200**	< 2.0	< 2.0
MW-4	9/22/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 96.2	< 481	< 2.0	< 2.0
MW-4	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 75.5	< 377	< 10.0	< 10.0
MW-4	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 82.5	< 412	< 10.0	< 10.0
MW-4	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0
MW-4	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 80.8	< 404	< 10.0	< 10.0
MW-4	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 189	304	< 3.0	< 3.0
MW-4	6/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	25	71	< 10	< 10
MW-4	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 270	< 270	< 10.0	< 10.0
MW-4	11/14/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-4	2/12/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50	**590 BY**	390 BY	0.30	< 2.0
MW-4	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	< 10	**900**	**780**	0.51	< 0.17
MW-4	7/10/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	14 JB	300	200	< 0.17	< 0.17
MW-4	10/22/2014	< 1.0	< 1.0	< 1.0	0.16 JB	0.25	--	--	11 JB	350	210	0.55 JB	< 2.0
MW-4	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 27	**580**	**510**	< 0.17	< 0.17
MW-4	12/16/2015	< 0.42	< 0.44	< 0.51	< 0.50	0.20	--	--	35	280	260	--	--
MW-4	3/11/2016	< 0.025	< 0.025	< 0.030	< 0.060	0.11	--	--	< 27	440	**610**	--	--
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

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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[1]**	**500**	**500**	**15**	
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
MW-4	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	480	**510**	< 4.0	< 4.0
MW-4	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**1000**	**1100**	< 4.0	< 4.0
MW-4	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**620**	**1000**	< 4.0	< 4.0
MW-4	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**850**	**650**	< 4.0	< 4.0
MW-5	10/5/1994	**57**	2.6	0.94	2.2	--	--	--	< 50	--	--	2.4	--
MW-5	2/15/1995	**160**	0.96	< 0.5	< 1.0	--	--	--	63	440	**3300**	< 2.0	--
MW-5	4/10/1995	**270**	< 2.0	< 2.0	< 4.0	--	--	--	< 100	--	--	--	--
MW-5	7/20/1995	**330**	1.1	1.1	< 1.0	--	--	--	80	**720**	**870**	--	--
MW-5	10/26/1995	**440**	< 0.5	< 0.5	< 1.0	--	--	--	61	**1100**	**2400**	--	--
MW-5	1/23/1996	**770**	< 4.0	< 4.0	8.4	--	--	--	< 200	**3200**	**10000**	--	--
MW-5	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	490	< 750	--	--
MW-5	7/8/1996	< 0.5	< 0.5	< 0.5	2.64	--	--	--	544	**683**	**791**	--	--
MW-5	3/11/1997	3.22	10.9	1.65	13.0	--	--	--	76.4	**4241**	< 750	--	--
MW-5	10/23/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	447	< 750	--	--
MW-5	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
MW-5	9/25/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-5	12/29/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-5	3/9/1999	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-5	6/2/1999	< 0.500	3.17	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-5	9/27/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	--	--	--
MW-5	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	--	--	--
MW-5	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-5	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-5	6/27/2001	< 2.50	< 2.50	< 2.50	< 5.00	**90.1**	--	--	< 250	< 322	< 965	--	--
MW-5	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	19.7	--	--	< 50.0	< 250	< 750	--	--
MW-5	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**27.2**	--	--	< 50.0	< 250	< 500	--	--
MW-5	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	**22.1**	--	--	< 50.0	< 250	< 500	1.63	< 1.00
MW-5	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**21.0**	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-5	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	**26.9**	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-5	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	9.4	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-5	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	4.37	--	--	< 50.0	< 263	< 526	2.1	< 1.00
MW-5	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	1.54	--	--	< 50.0	< 236	< 472	--	--
MW-5	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	1.35	--	--	< 50.0	< 236	< 472	--	--
MW-5	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	1.27	--	--	< 50.0	< 236	< 472	--	--
MW-5	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	1.95	--	--	< 50.0	--	--	--	--
MW-5	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	2.02	--	--	< 50.0	< 236	< 472	--	--
MW-5	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	1.81	--	--	< 50.0	< 236	< 472	--	--
MW-5	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	1.43	--	--	< 50.0	< 250	< 500	--	--
MW-5	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	2.07	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-5	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 80.0	< 400	< 10.0	< 10.0
MW-5	6/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 250	30	< 10	< 10
MW-5	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 270	< 270	< 10.0	< 10.0
MW-5	11/14/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-5	2/12/2014	< 1.0	< 1.0	< 1.0	< 3.0	0.46	--	--	< 50	78	80 JB	< 2.0	< 2.0
MW-5	4/1/2014	< 1.1	< 0.89	< 0.89	< 0.82	0.78	--	--	< 10	110 JB	160 JB	< 0.17	< 0.17
MW-5	7/10/2014	< 0.14	< 0.16	< 0.13	< 0.12	0.38	--	--	< 10	150	180 J	< 0.17	< 0.17

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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[1]**	**500**	**500**	**15**	
MW-5	10/21/2014	< 1.0	< 1.0	< 1.0	< 3.0	0.39	--	--	< 50	100	< 250	0.44 JB	< 2.0
MW-5	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	0.43	--	--	< 27	220	230	< 0.17	< 0.17
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**	260	45	180	--	--	--	**1400**	--	--	< 2.0	--
MW-6	2/15/1995	**13**	32	5.7	30	--	--	--	220	--	< 1000	< 2.0	--
MW-6	7/20/1995	**130**	410	70	390	--	--	--	**2300**	< 250	--	--	--
MW-6	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-6	7/8/1996	< 0.5	0.528	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-6	3/11/1998	1.4	5.35	1.24	19.4	--	--	--	192	< 250	< 750	--	--
MW-6	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-6	11/10/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 80.0	< 250	< 750	--	--
MW-6	3/19/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 750	--	--
MW-6	12/3/2001	2.15	0.875	10.4	36.1	< 5.00	--	--	394	< 250	< 500	--	--
MW-6	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-6	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-6	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-6	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 294	< 588	< 1.00	< 1.00
MW-6	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
MW-6	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 263	< 526	< 1.00	< 1.00
MW-6	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-6	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-6	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
MW-6	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 240	< 481	--	--
MW-6	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-6	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-6	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-7	10/5/1994	**4600**	470	81	810	--	--	--	**5500**	--	--	< 2.0	--
MW-7	2/15/1995	**5500**	240	80	160	--	--	--	**4300**	--	**12000**	< 2.0	--
MW-7	4/10/1995	**3600**	140	53	470	--	--	--	**2800**	--	**7800**	--	--
MW-7	7/20/1995	**3300**	260	36	350	--	--	--	**2400**	**1200**	--	--	--
MW-7	10/26/1995	**590**	12	< 0.5	< 1.0	--	--	--	170	**930**	**2100**	--	--
MW-7	1/23/1996	2.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**1100**	**2100**	--	--
MW-7	4/17/1996	**2500**	57	45	270	--	--	--	**1500**	**580**	< 750	--	--
MW-7	7/8/1996	**1220**	25.6	< 0.5	162	--	--	--	**1100**	**879**	< 750	--	--
MW-7	10/10/1996	**1100**	21.3	21.5	72.8	--	--	--	< 1000	**636**	< 750	--	--
MW-7	3/11/1997	**708**	20.8	8.18	22.0	--	--	--	373	**8571**	< 750	--	--
MW-7	5/29/1997	**580**	< 5.0	6.72	14.3	--	--	--	< 500	--	--	--	--
MW-7	8/5/1997	**462**	3.11	5.81	13.9	--	--	--	265	**713**	< 750	--	--
MW-7	10/23/1997	**23.7**	< 0.5	0.689	1.62	--	--	--	89.4	**565**	< 750	--	--
MW-7	3/11/1998	**19.2**	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
MW-7	9/25/1998	**25.7**	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
MW-7	12/29/1998	**116**	< 2.5	< 2.5	< 5.0	--	--	--	< 250	< 250	< 750	--	--
MW-7	3/9/1999	**73.5**	0.502	0.559	1.52	--	--	--	68.3	< 250	< 750	--	--
MW-7	6/2/1999	**41.1**	5.95	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
10822 Rosevelt 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[1]**	**500**	**500**	**15**	
MW-7	9/27/1999	0.544	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	--	--	--
MW-7	12/20/1999	**161**	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	--	--	--
MW-7	6/30/2000	1.20	< 0.780	< 0.500	< 1.00	--	--	--	< 50.0	420	< 750	--	--
MW-7	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	323	< 750	--	--
MW-7	11/10/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 80.0	< 250	< 750	--	--
MW-7	3/19/2001	< 0.500	0.821	< 0.500	< 1.00	**55.9**	--	--	< 50.0	< 250	< 750	--	--
MW-7	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	**35.2**	--	--	< 50.0	< 250	< 750	--	--
MW-7	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	**57.8**	--	--	< 50.0	253	< 750	--	--
MW-7	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**35.6**	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-7	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	**20.6**	--	--	84.3	< 250	< 500	< 1.00	< 1.00
MW-7	12/6/2005	**644**	**8200**	**942**	**5250**	< 200	--	--	**33000**	< 243	< 485	< 1.00	< 1.00
MW-7	6/5/2006	**26.8**	10.0	373	520	< 20.0	--	--	**4590**	< 278	< 556	< 1.00	< 1.00
MW-7	9/29/2006	< 0.500	0.85	27.3	86.3	--	--	--	**1760**	--	--	--	--
MW-7	12/19/2006	< 0.500	< 0.500	1.26	8.9	--	--	--	189	--	--	--	--
MW-7	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	3.1	--	--	< 50.0	< 236	< 472	--	--
MW-7	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	2.73	--	--	< 50.0	< 236	< 472	--	--
MW-7	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	5.63	--	--	< 50.0	< 243	< 485	--	--
MW-7	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	3.96	--	--	< 50.0	< 236	< 472	--	--
MW-7	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	2.23	--	--	< 50.0	< 236	< 472	--	--
MW-7	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	2.63	--	--	< 50.0	< 248	< 495	--	--
MW-7	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	5.4	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-8	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	< 2.0	--
MW-8	2/15/1995	--	--	--	--	--	--	--	--	< 250	--	--	--
MW-8	7/20/1995	--	--	--	--	--	--	--	--	410	< 750	--	--
MW-8	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
MW-8	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
MW-8	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-8	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-8	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	1.42	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-8	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-8	9/12/2005	< 0.500	0.653	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 281	< 562	< 1.00	< 1.00
MW-8	12/6/2005	< 0.500	1.07	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-8	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-8	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
MW-8	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-8	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 250	< 500	--	--
MW-8	4/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
MW-8	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-8	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-8	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-8	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
MW-8	6/26/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 250	< 500	< 10	< 10
MW-8	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 270	< 270	< 10.0	< 10.0
MW-8	11/15/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-8	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50	62	65	< 2.0	< 2.0
MW-8	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	0.78	--	--	< 10	66 JB	88 JB	< 0.17	< 0.17
MW-8	7/10/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 10	95 JB	81	< 0.17	< 0.17
MW-8	10/21/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50	55 J	< 250	0.44 JB	< 2.0
MW-8	1/19/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 27	98	< 29 H1	< 0.17	< 0.17
MW-8	3/10/2016	--	--	--	--	--	--	--	--	--	--	1.7 J	< 0.17

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ARCO Facility No. 980
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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[1]**	**500**	**500**	**15**	
MW-8	6/1/2016	--	--	--	--	--	--	--	--	--	--	2.9	< 0.17
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
MW-8	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	130	< 350	< 4.0	< 4.0
MW-8	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	130	< 350	< 4.0	< 4.0
MW-8	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	130	< 350	< 4.0	< 4.0
MW-8	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	130	< 350	< 4.0	< 4.0
MW-9	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	4.6	--
MW-9	7/20/1995	--	--	--	--	--	--	--	--	280	--	--	--
MW-9	7/8/1996	--	--	--	--	--	--	--	--	< 250	< 750	--	--
MW-9	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	--	--	--
MW-9	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
MW-9	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	--	< 50.0	< 250	< 750	--	--
MW-9	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	--	< 50.0	< 250	< 750	--	--
MW-9	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-9	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	2.12	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-9	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-9	9/12/2005	< 0.500	5.91	< 0.500	< 1.00	< 2.00	--	--	156	< 312	< 625	< 1.00	< 1.00
MW-9	12/6/2005	< 0.500	0.85	< 0.500	< 1.00	1.07	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-9	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-9	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-9	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-9	4/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 240	< 481	--	--
MW-9	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-9	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-9	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-9	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-9	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 78.4	< 392	< 10.0	< 10.0
MW-9	6/26/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 250	< 500	< 10	< 10
MW-9	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 270	< 270	< 10.0	< 10.0
MW-9	11/14/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-9	2/14/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50	74	82	< 2.0	< 2.0
MW-9	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	< 10	46 JB	58 JB	< 0.17	< 0.17
MW-9	7/10/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 10	75 JB	62	< 0.17	0.35
MW-9	10/21/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50	66 J	< 240	0.26 JB	< 2.0
MW-9	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 27	89	< 30 H1	< 0.17	< 0.17
MW-9	12/14/2015	< 0.42	< 0 *	< 0.51	< 0.50	< 0.17	--	--	< 27	55 JB	< 29	--	--
MW-9	3/10/2016	< 0.025	< 0.025	< 0.030	< 0.060	< 0.025	--	--	< 27	47 J	120 J	< 0.17	< 0.17
MW-9	6/1/2016	--	--	--	--	--	--	--	--	--	--	< 0.17	< 0.17
MW-9	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0*	--	--	< 50	53 JB	34 JB	< 2.0	< 2.0
MW-9	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-9	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-9	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	< 100	< 260	< 4.0	< 4.0
MW-9	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 100	< 250	< 4.0	< 4.0
MW-9	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 130	< 410	< 4.0	< 4.0
MW-9	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0

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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[1]**	**500**	**500**	**15**	
MW-9	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	140	< 350	< 4.0	< 4.0
MW-9	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	110	< 350	< 4.0	< 4.0
MW-9	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-10	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	8.7	--
MW-10	7/20/1995	--	--	--	--	--	--	--	--	320	--	--	--
MW-10	7/8/1996	--	--	--	--	--	--	--	--	382	< 750	--	--
MW-10	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	--	--	--
MW-10	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-10	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	**23.4**	--	--	< 50.0	< 250	< 500	1.06	< 1.00
MW-10	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-10	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	16.8	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-10	3/29/2005	< 0.200	< 0.500	< 0.500	< 1.00	13.8	< 0.010	< 0.500	< 80.0	< 250	< 500	1.72	--
MW-10	6/22/2005	0.240	< 0.500	< 0.500	< 1.00	17.0	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-10	9/12/2005	< 0.500	3.28	< 0.500	< 1.00	19.7	--	--	63.8	< 333	< 667	< 1.00	< 1.00
MW-10	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	13.4	--	--	< 50.0	< 291	< 581	< 1.00	< 1.00
MW-10	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	2.49	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-10	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	13.9	--	--	< 50.0	< 238	< 476	--	--
MW-10	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	1.55	--	--	< 50.0	< 236	< 472	--	--
MW-10	4/2/2008	< 0.500	1.54	0.61	3.71	**21.4**	--	--	< 50.0	< 236	< 472	--	--
MW-10	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	**91.5**	--	--	< 50.0	< 238	< 476	--	--
MW-10	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	**110**	--	--	< 50.0	< 236	< 472	--	--
MW-10	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	**35.5**	--	--	< 50.0	< 243	< 485	--	--
MW-10	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	4.59	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
MW-10	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	1.2	--	--	< 50.0	< 78.4	< 392	< 10.0	< 10.0
MW-10	6/26/2013	< 0.50	0.55	< 0.50	< 1.0	0.78	--	--	< 50	< 250	< 500	< 10	< 10
MW-10	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 270	< 270	< 10.0	< 10.0
MW-10	11/14/2013	< 0.50	< 0.50	< 0.50	< 1.0	0.86	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-10	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	0.51 J	--	--	< 50	42	49	< 2.0	< 2.0
MW-10	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	< 10	55 JB	64 JB	< 0.17	< 0.17
MW-10	7/11/2014	< 0.14	< 0.16	< 0.13	< 0.12	0.21 J	--	--	< 10	64 JB	31 J	< 0.17	< 0.17
MW-10	10/21/2014	< 1.0	< 1.0	< 1.0	< 3.0	0.61 J	--	--	< 50	89 J	< 240	0.26 JB	< 2.0
MW-10	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	0.28 J	--	--	< 27	58 JH1B^	< 28 H1	< 0.17	< 0.17
MW-10	3/11/2016	--	--	--	--	--	--	--	--	--	--	< 0.17	< 0.17
MW-10	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	0.22 JH	--	--	< 50	48 JB	29 JB	< 2.0	< 2.0
MW-10	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	**2000**	< 250	< 2.0	< 2.0
MW-10	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 110	< 250	< 2.0	< 2.0
MW-10	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	< 100	< 250	< 4.0	< 4.0
MW-10	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 100	< 260	< 4.0	< 4.0
MW-10	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 120	< 390	< 4.0	< 4.0
MW-10	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-10	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	130	< 350	< 4.0	< 4.0
MW-10	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-10	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-11	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	**15000**	**24900**	--	--
MW-11	6/27/2001	**386**	32.4	30.4	777	**29.6**	--	--	**11500**	**700**	< 750	--	--
MW-11	9/26/2001	**122**	13.0	18.4	692	< 20.0	--	--	**23600**	**5890**	**5510**	--	--
MW-11	12/3/2001	**177**	9.17	19.7	320	**25.8**	--	--	**6220**	**2510**	**4850**	--	--
MW-11	6/6/2002	**192**	4.66	30.8	456	< 2.00	< 0.01	< 1.00	**5710**	**5170**	**6790**	**16.0**	4.95
MW-11	6/26/2003	**301**	5.01	120	568	< 20.0	--	--	**9170**	**72800**	**107000**	8.71	3.09

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	
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	< 10	< 10
MW-11	9/26/2013	< 0.50	2	< 0.50	< 1.0	< 0.50	--	--	63	< 270	< 270	< 10.0	< 10.0
MW-11	11/15/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-11	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	150	**1500 BY**	**2700 BY**	1.1 J	< 2.0
MW-11	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	25 J	**850 BY**	**1700 BY**	0.77 J	< 0.17
MW-11	7/11/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	34 JB	360 BY	470 Y	0.81 J	< 0.17
MW-11	10/22/2014	0.29 J	< 1.0	< 1.0	0.26 JB	< 1.0	--	--	58 B	430 Y	190 J	0.87 JB	< 2.0
MW-11	1/21/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	33 J	230 H1BY^	180 J^H1	0.32 J	< 0.17
MW-11	12/14/2015	< 0.42	< 0 *	< 0.51	< 0.50	< 0.17	--	--	48 J	170 B	95 J	--	--
MW-11	3/10/2016	0.035 J	< 0.025	< 0.030	< 0.060	< 0.025	--	--	41 J	420	**700**	--	--
MW-11	6/1/2016	< 0.42	< 0.18	< 0.21	< 0.49	< 0.11	--	--	40 J	460 B	340	--	--
MW-11	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0F1*	--	--	95	480 B	380 B	0.44 J	0.55 J
MW-11	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	110	**930**	**1300**	< 2.0	< 2.0
MW-11	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	65	440	480	< 2.0	< 2.0
MW-11	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	450	**670**	< 4.0	< 4.0
MW-11	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**740**	**760**	< 4.0	< 4.0
MW-11	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**660**	**1400**	< 4.0	< 4.0
MW-11	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**580**	**620**	< 4.0	< 4.0
MW-11	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**720**	**1100**	< 4.0	< 4.0
MW-11	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**810**	**850**	< 4.0	< 4.0
MW-11	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**1000**	**1000**	< 4.0	< 4.0
MW-12	7/11/1996	**624**	174	41.6	164	--	--	--	**2620**	**618**	--	--	--
MW-12	10/10/1996	**264**	2.98	3.23	60.4	--	--	--	**1720**	< 250	< 750	--	--
MW-12	3/11/1997	4.02	1.01	< 0.5	9.94	--	--	--	541	402	< 750	--	--
MW-12	5/29/1997	**31.1**	0.530	< 0.5	16.7	--	--	--	**2100**	**1460**	**2500**	--	--

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	
MW-12	8/5/1997	**193**	5.16	5.19	87.9	--	--	--	**2010**	**712**	< 750	--	--
MW-12	10/23/1997	**71.7**	< 0.5	< 0.5	5.78	--	--	--	358	**996**	**1840**	--	--
MW-12	3/11/1998	**204**	9.30	< 1.0	18	--	--	--	398	< 250	< 750	--	--
MW-12	6/30/1998	**134**	< 2.50	< 5.00	< 30.0	--	--	--	**8070**	289	--	--	--
MW-12	12/29/1998	**85.9**	< 1.0	< 1.0	5.80	--	--	--	313	< 250	< 750	--	--
MW-12	3/9/1999	**62.1**	1.71	< 3.0	< 41.0	--	--	--	**6920**	**770**	**1810**	--	--
MW-12	6/27/2001	**2920**	452	275	**1360**	**350**	--	--	**33600**	**679**	< 750	--	--
MW-12	9/26/2001	**619**	**1380**	**966**	**6890**	< 50.0	--	--	**3630000**	**23900**	**37800**	--	--
MW-12	12/3/2001	**4180**	323	315	**1580**	**386**	--	--	**27600**	**4450**	**7690**	--	--
MW-12	6/26/2003	**712**	878	258	**1780**	< 20.0	--	--	**17000**	**62300**	**87100**	**315**	4.93
MW-12	12/9/2003	**2520**	338	142	**1320**	**114**	--	--	**18000**	**2730**	**4960**	4.77	4.84
MW-12	4/7/2004	**641**	655	201	**1590**	< 10.0	--	--	**19200**	**204000**	**314000**	**536**	8.61
MW-12	11/16/2004	**757**	**1230**	283	**2090**	< 20.0	--	--	**25800**	**111000**	**27800**	9.64	2.92
MW-12	3/29/2005	**462**	655	250	**2470**	< 40.0	< 0.010	< 10.0	**18600**	**2150000**	**590000**	**313**	--
MW-12	6/22/2005	**1190**	434	350	**2320**	< 20.0	--	--	**102000**	**26900**	**8180**	**38**	3.61
MW-12	9/12/2005	**758**	631	250	**1480**	< 2.00	--	--	**12900**	**242000**	**561000**	**37.5**	4.64
MW-12	12/6/2005	**481**	**1480**	**1560**	**11600**	< 100	--	--	**18800**	**145000**	**290000**	**76.3**	12
MW-12	6/5/2006	**721**	61.8	190	**1170**	< 20.0	--	--	**11400**	**14300**	**27700**	3.23	1.52
MW-12	9/29/2006	**272**	4.79	195	**1020**	--	--	--	**16700**	--	--	--	--
MW-12	12/19/2006	**346**	36.6	81.0	620	--	--	--	**41400**	--	--	--	--
MW-12	12/31/2007	**378**	7.48	104	503	< 1.00	--	--	**10800**	**1440**	**3260**	--	--
MW-12	1/29/2008	**409**	8.39	96.4	584	< 1.00	--	--	**11100**	**619**	**1510**	--	--
MW-12	1/6/2009	4.2	0.89	22.5	186	< 1.00	--	--	**6250**	358	**744**	--	--
MW-12	4/8/2009	0.949	0.647	4.0	52.6	< 1.00	--	--	**4420**	**722**	**1170**	**36**	7.86
MW-12	7/8/2009	< 1.00	< 2.50	< 2.50	8.45	< 10.0	--	--	**1790**	< 250	< 500	8.45	5.61
MW-12	10/6/2009	1.9	< 1.00	1.0	9.3	< 1.00	--	--	**3600**	**2210**	**2040**	4.2	< 2.00
MW-12	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	**3700**	**5500**	**1100**	4.8	2.0
MW-12	5/25/2010	< 0.50	< 0.50	< 0.50	4.4	< 1.00	--	--	**2900**	**3800**	**2900**	2.6	< 2.00
MW-12	8/19/2010	0.89	0.59	0.51	3.4	< 1.00	--	--	**1800**	**2000**	380	3.5	< 2.00
MW-12	12/7/2010	1.9	0.66	0.51	3.6	< 1.0	--	--	**2300**	**1700**	**1300**	2.3	< 2.0
MW-12	1/26/2011	< 0.50	< 0.50	< 0.50	1.2	< 1.0	--	--	610	**1100**	**2900**	< 2.0	< 2.0
MW-12	6/16/2011	< 0.50	< 0.50	< 0.50	1.7	< 1.0	--	--	**860**	**2600**	**1900**	< 2.0	< 2.0
MW-12	9/22/2011	1.5	< 0.50	0.69	7.0	< 1.0	--	--	**1800**	**8770**	**15200**	**21**	< 2.0
MW-12	12/6/2011	2.5	< 1.0	1.3	< 3.0	< 1.0	--	--	**9590**	**14500**	**38600**	< 10.0	< 10.0
MW-12	3/8/2012	1.7	< 1.0	< 1.0	< 3.0	< 1.0	--	--	**1460**	298	< 400	< 10.0	< 10.0
MW-12	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	266	< 800	< 10.0	< 10.0
MW-12	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	**968**	**1030**	**2860**	< 10.0	< 10.0
MW-12	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	**542**	**1890**	< 3.0	< 3.0
MW-12	6/27/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	170	120	380	< 10	< 10
MW-12	9/26/2013	0.63	1.3	< 0.50	< 1.0	< 0.50	--	--	210	< 260	**830**	< 10.0	< 10.0
MW-12	11/15/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	86 Y	400 H	**1200 O**	< 10.0	< 10.0
MW-12	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	170	**940 BY**	**1400 BY**	0.57 J	< 2.0
MW-12	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	15 J	190 BY	320 BY	0.36 J	< 0.17
MW-12	7/11/2014	0.35 J	< 0.16	< 0.13	< 0.12	< 0.17	--	--	100 B	460 BY	300 Y	0.54 J	< 0.17
MW-12	10/22/2014	3.9	0.46 J	0.91 J	1.4 JB	< 1.0	--	--	770 B	**830 Y**	**790 Y**	4.0 B	< 2.0
MW-12	1/21/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	100	250 H1BY^	250 H1Y^	0.60 J	< 0.17
MW-12	12/16/2015	0.64 J*	< 0 *	< 0 *	< 0.50	< 0.17	--	--	170	**1300**	**1900**	--	--
MW-12	3/11/2016	0.086 J	< 0.025	< 0.030	< 0.060	< 0.025	--	--	53	240	320	0.32 J	< 0.17
MW-12	6/1/2016	< 0.42	< 0.18	< 0.21	< 0.49	< 0.11	--	--	85	390	310	**390 J**	< 0.17
MW-12	8/29/2016	1.5 J	0.46 J	< 3.0	< 3.0	< 1.0*	--	--	120	470 B	170 JB	0.33 J	0.24 J
MW-12	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	91	**1000**	**1400**	< 2.0	< 2.0

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
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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[1]**	**500**	**500**	**15**	
MW-12	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	52	240	300	< 2.0	< 2.0
MW-12	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	150	< 260	< 4.0	< 4.0
MW-12	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**530**	**510**	< 4.0	< 4.0
MW-12	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	170	< 390	< 4.0	< 4.0
MW-12	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	420	400	< 4.0	< 4.0
MW-12	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**630**	**570**	< 4.0	< 4.0
MW-12	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**790**	**1200**	< 4.0	< 4.0
MW-12	9/26/2019	< 3.0	2.1	< 3.0	< 3.0	< 2.0	--	--	< 250	**680**	**510**	< 4.0	< 4.0
MW-13	9/26/2019	**140**	3.2 F1	19 F1	140	< 2.0F1F2	--	--	**2900**	**6900**	**3500 F1**	< 4.0	< 4.0
MW-14	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-15	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**1100**	**710**	< 4.0	< 4.0
MW-16	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**540**	350	< 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	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-1	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-1	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-1	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-1	11/10/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 80.0	< 250	< 750	--	--
VP-1	3/19/2001	< 0.500	< 0.500	< 0.500	< 1.00	6.23	--	--	< 50.0	< 250	< 750	--	--
VP-1	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**155**	--	--	< 50.0	< 250	< 500	--	--
VP-1	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	3.57	< 0.01	< 1.00	< 50.0	< 250	< 500	**17.9**	< 1.00
VP-1	6/26/2003	0.521	< 0.500	1.05	5.25	5.55	--	--	137	< 250	< 500	6.48	< 1.00
VP-1	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**34.1**	--	--	< 50.0	< 250	< 500	1.44	< 1.00
VP-1	4/7/2004	< 0.500	< 0.500	< 0.500	< 1.00	1.19	--	--	< 50.0	< 250	< 500	3.21	< 1.00
VP-1	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	**34.2**	< 1.00
VP-1	3/29/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	< 0.010	< 0.500	< 80.0	< 250	< 500	< 1	--
VP-1	6/22/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	1.21	< 1.00
VP-1	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 50.0	< 287	< 575	< 1.00	< 1.00
VP-1	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	6.63	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
VP-1	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	2.72	< 1.00
VP-1	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
VP-1	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	1.09	--
VP-1	4/2/2008	< 0.500	1.1	< 0.500	< 3.00	1.56	--	--	< 50.0	< 236	< 472	--	--
VP-1	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	12	< 1.00
VP-1	7/8/2009	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 245	< 490	7.86	< 1.00
VP-1	10/6/2009	< 1.00	4.1	6.7	41	< 1.00	--	--	650	< 238	< 476	< 2.00	< 2.00

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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[1]**	**500**	**500**	**15**	
VP-1	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
VP-1	5/25/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
VP-1	8/19/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	< 120	< 240	2.3	< 2.00
VP-1	12/7/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	< 2.0
VP-1	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	< 2.0
VP-1	6/16/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	140	250	2.2	< 2.0
VP-1	9/22/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 95.2	< 476	< 2.0	< 2.0
VP-1	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 75.5	< 377	< 10.0	< 10.0
VP-1	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 82.5	< 412	< 10.0	< 10.0
VP-1	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0
VP-1	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 80.8	< 404	10.9	< 10.0
VP-1	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 189	< 189	< 3.0	< 3.0
VP-2	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	8.2	--
VP-2	2/15/1995	--	--	--	--	--	--	--	--	< 250	--	--	--
VP-2	7/20/1995	--	--	--	--	--	--	--	--	< 250	--	--	--
VP-2	10/10/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-2	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-2	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-2	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-2	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	--	--
VP-2	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	< 2.00	< 0.01	< 1.00	< 50.0	< 250	< 500	5.21	< 1.00
VP-2	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	**22.9**	--	--	< 50.0	< 250	< 500	9.19	< 1.00
VP-2	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
VP-2	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	1.35	< 1.00
VP-2	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
VP-2	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
VP-2	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	8.74	--	--	< 50.0	< 243	< 485	--	--
VP-2	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	7.59	--	--	< 50.0	< 236	< 472	--	--
VP-2	4/2/2008	< 0.500	0.79	< 0.500	< 3.00	3.89	--	--	< 50.0	< 236	< 472	--	--
VP-2	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 240	< 481	**20.5**	< 1.00
BV-1	4/11/1995	1.4	< 0.5	< 0.5	3.8	--	--	--	57	--	--	--	--
BV-1	7/20/1995	2.7	< 0.5	1	9.5	--	--	--	96	320	--	--	--
BV-1	10/26/1995	**94**	30	26	160	--	--	--	**2500**	--	--	--	--
BV-1	1/23/1996	4.5	0.65	1.6	17	--	--	--	200	< 250	< 750	--	--
BV-1	10/10/1996	1.20	< 0.5	0.614	4.72	--	--	--	94.3	< 250	< 750	--	--
BV-1	3/11/1997	2.77	0.509	1.16	10.4	--	--	--	86.5	--	--	--	--
BV-1	5/29/1997	3.81	0.656	1.95	19.1	--	--	--	204	< 250	< 750	--	--
BV-1	8/5/1997	1.24	< 0.5	0.588	4.42	--	--	--	85.1	< 250	< 750	--	--
BV-1	10/23/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-1	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
BV-1	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-3	3/3/1995	--	--	--	--	--	--	--	--	**14000**	--	--	--
BV-3	4/10/1995	**5000**	**4500**	690	**3300**	--	--	--	**36000**	--	--	--	--
BV-3	7/20/1995	**6000**	**8100**	**1400**	**8500**	--	--	--	**62000**	**9800**	--	--	--
BV-3	10/26/1995	**6600**	**8800**	**1700**	**13000**	--	--	--	**82000**	**5100**	**2600**	--	--

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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[1]**	**500**	**500**	**15**	
BV-3	10/10/1996	**684**	574	84.7	**1940**	--	--	--	**13700**	**3730**	< 750	--	--
BV-3	3/11/1997	**2140**	**6610**	**989**	**7370**	--	--	--	**40700**	**5810**	< 750	--	--
BV-3	5/29/1997	0.638	< 0.5	< 0.5	< 1.0	--	--	--	< 50	414	< 750	--	--
BV-3	8/5/1997	**8.75**	3.14	3.01	53.1	--	--	--	556	**1440**	< 750	--	--
BV-3	10/23/1997	< 0.5	< 0.5	< 0.5	1.63	--	--	--	< 50	**661**	< 750	--	--
BV-3	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
BV-3	9/25/1998	**644**	**1180**	638	**4210**	--	--	--	**18300**	**524**	< 750	--	--
BV-3	12/29/1998	0.997	< 0.5	< 0.5	10.2	--	--	--	181	< 250	< 750	--	--
BV-3	3/9/1999	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
BV-3	6/2/1999	**206**	178	235	926	--	--	--	**5380**	< 250	< 750	--	--
BV-3	9/27/1999	< 0.500	< 0.500	< 0.500	4.93	--	--	--	94.2	< 250	--	--	--
BV-3	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 282	--	--	--
BV-3	6/30/2000	**77.6**	5.21	10.9	148	--	--	--	**1110**	**507**	< 750	--	--
BV-3	9/27/2000	**62.3**	4.47	119	333	--	--	--	**3170**	**863**	< 750	--	--
BV-4	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-4	12/29/1998	**7.59**	< 1.0	< 1.0	< 2.0	--	--	--	< 100	< 250	< 750	--	--
BV-4	9/27/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	--	--	--
BV-5	7/20/1995	**3700**	110	540	**2200**	--	--	--	**26000**	**18000**	**30000**	--	--
BV-5	10/26/1995	**4000**	520	440	**2100**	--	--	--	**42000**	**8200**	**12000**	--	--
BV-5	1/23/1996	**4400**	970	**760**	**4400**	--	--	--	**1300000**	**7100**	**8500**	--	--
BV-5	10/23/1997	1.57	< 0.5	3.31	3.34	--	--	--	771	**1150**	**4130**	--	--
BV-5	12/29/1998	**79.1**	< 1.25	41.8	8.45	--	--	--	**848**	< 250	< 750	--	--
BV-5	9/27/1999	**68.7**	< 1.00	25.1	< 2.00	--	--	--	**809**	**3500**	--	--	--
BV-5	12/20/1999	**53.7**	2.05	3.47	9.94	--	--	--	416	**506**	--	--	--
BV-5	3/16/2000	**145**	< 0.500	101	43.3	--	--	--	**3900**	**13000**	< 8250	--	--
BV-5	11/10/2000	**242**	993	242	876	--	--	--	**9340**	< 250	< 750	--	--
BV-5	3/19/2001	**84.4**	100	99.5	289	< 5.00	--	--	**4540**	**781**	< 750	--	--
BV-6	4/10/1995	**160**	4.4	0.61	8.9	--	--	--	120	--	--	--	--
BV-6	10/26/1995	**98**	2.4	< 0.5	3.3	--	--	--	< 50	--	--	--	--
BV-7	5/29/1997	**289**	281	4.7	907	--	--	--	**28300**	**28500**	**62700**	--	--
BV-7	8/5/1997	**686**	441	< 12.5	751	--	--	--	**12500**	**32700**	**75900**	--	--
BV-7	10/23/1997	**769**	**1350**	15.2	**1440**	--	--	--	**16200**	**42400**	**134000**	--	--
BV-7	9/25/1998	**6460**	**7020**	**750**	**11300**	--	--	--	**209000**	**53300**	**148000**	--	--
BV-7	12/29/1998	**7.33**	14.9	< 4.0	< 160	--	--	--	**14700**	**35700**	**78800**	--	--
BV-7	3/9/1999	**16.8**	30.8	4.32	54.5	--	--	--	**1490**	**53700**	**133000**	--	--
BV-7	6/2/1999	**4790**	**3510**	91.8	**1410**	--	--	--	**18100**	**57900**	**122000**	--	--
BV-7	12/20/1999	**29.3**	2.01	1.34	78.8	--	--	--	580	< 250	--	--	--
BV-7	6/30/2000	**1290**	249	< 25.0	826	--	--	--	**6130**	**122000**	**271000**	--	--
BV-7	11/10/2000	**1910**	385	91.1	**1220**	--	--	--	**24400**	**335000**	**377000**	--	--
BV-7	3/19/2001	**1880**	524	103	**2110**	**57.2**	--	--	**13100**	**3060**	< 938	--	--
BV-7	6/27/2001	**1250**	515	89.1	**2070**	**52.9**	--	--	**11900**	**2940**	< 750	--	--
BV-7	9/26/2001	**645**	113	49.5	739	< 50.0	--	--	**9090**	**23100**	**49000**	--	--
SVE-1	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	**61**	--
SVE-1	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	380	< 750	--	--
SVE-1	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
SVE-1	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	
SVE-1	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	309	< 847	--	--
SVE-1	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	6.02	--	--	< 50.0	< 250	< 750	--	--
SVE-1	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	14.7	--	--	< 50.0	< 250	< 750	--	--
SVE-1	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**25.5**	--	--	< 50.0	< 250	< 500	--	--
SVE-1	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	2.63	< 0.01	< 1.00	< 50.0	< 250	< 500	< 1.00	< 1.00
SVE-1	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	< 1.00	< 50.0	< 287	< 575	3.55	< 1.00
SVE-1	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**21.2**	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
SVE-1	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	17.7	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
SVE-1	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	6.1	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
SVE-1	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	< 538	< 1.00	< 1.00
SVE-1	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
SVE-1	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
SVE-1	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	1.61	--
SVE-1	4/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
SVE-1	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	< 1.00	--
SVE-1	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	2.68	--
SVE-1	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	< 1.00	--
SVE-1	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	12	< 1.00
SVE-2	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	**47**	--
SVE-2	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**610**	< 1000	--	--
SVE-2	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	360	< 750	--	--
SVE-2	10/25/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	420	< 750	--	--
SVE-2	1/23/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	310	< 750	--	--
SVE-2	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
SVE-2	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	356	< 750	--	--
SVE-2	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
SVE-2	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
SVE-3	11/10/2000	**733**	**2850**	456	**1960**	--	--	--	**20300**	**1950**	**6950**	--	--
SVE-3	6/27/2001	**184**	**1120**	180	995	< 10.0	--	--	**10600**	**1560**	**1980**	--	--
SVE-3	9/26/2001	**82.6**	492	99.4	961	< 20.0	--	--	**6540**	< 250	< 750	--	--
SVE-3	12/3/2001	**72.3**	549	67.6	600	< 50.0	--	--	**3360**	**2410**	**10800**	--	--
SVE-3	6/6/2002	**50.7**	31.0	86.8	168	< 2.00	--	< 1.00	**1910**	--	--	--	--
SVE-3	6/26/2003	**90.6**	169	238	981	< 2.50	--	--	**7030**	--	--	--	--
SVE-3	12/9/2003	**34.4**	44.8	82.9	220	< 2.50	--	--	**3190**	**14000**	**59900**	**24.2**	< 1.00
SVE-3	4/7/2004	**11.60**	12.5	37.3	70.9	< 1.00	--	--	**3610**	**2180**	**8300**	4.30	< 1.00
SVE-3	11/16/2004	4.35	0.650	9.44	17.5	< 2.00	--	--	614	**6080**	**23200**	3.36	< 1.00
SVE-3	3/29/2005	0.780	< 0.500	0.700	1.28	< 2.00	< 0.010	< 0.500	141	367	**1610**	**26**	--
SVE-3	6/22/2005	1.59	< 0.500	9.01	15.8	< 2.00	--	--	730	**4210**	**16900**	**37**	< 1.00
SVE-3	9/12/2005	**31.6**	724	344	**1480**	< 2.00	--	--	**7190**	**13200**	**61000**	**40.9**	< 1.00
SVE-3	12/6/2005	1.41	0.83	11.5	23.2	< 1.00	--	--	**845**	**617**	**788**	< 1.00	< 1.00
SVE-3	6/5/2006	< 0.500	< 0.500	5.66	20.6	< 1.00	--	--	**9870**	**12300**	**45300**	1.36	< 1.00
SVE-3	12/19/2006	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
SVE-3	9/24/2007	2.42	0.81	91.1	134	< 1.00	--	--	**4830**	**1600**	**9260**	--	--
SVE-3	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	175	< 238	< 476	--	--
SVE-3	5/25/2010	1.4	130	24	110	< 1.00	--	--	**1700**	**1800**	**4300**	3.8	< 2.00
SVE-3	12/7/2010	< 0.50	< 0.50	11	13	< 1.0	--	--	590	**2700**	**20000**	4.0	< 2.0
SVE-3	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	**1100**	**8500**	4.3	< 2.0
SVE-3	6/16/2011	< 0.50	< 0.50	9.3	6.9	< 1.0	--	--	320	**2100**	**5400**	7.7	< 2.0
SVE-3	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0

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ARCO Facility No. 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	
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
B1 (JPHC)	12/19/2006	**17.8**	< 0.500	< 0.500	34.2	--	--	--	**4140**	--	--	--	--
B1 (JPHC)	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	4.44	--	--	486	252	**671**	4.39	--
B1 (JPHC)	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	2.82	--	--	**5870**	**4260**	**10400**	**18.4**	--
B1 (JPHC)	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	163	**2270**	**7700**	8.21	--
B1 (JPHC)	4/8/2009	< 0.500	< 0.500	< 0.500	1.13	1.12	--	--	185	< 245	< 490	5.36	5.19
B1 (JPHC)	7/8/2009	**24.6**	< 0.500	< 0.500	< 1.00	< 2.00	--	--	152	< 240	< 481	6.81	5.74
B1 (JPHC)	10/6/2009	**54**	1.2	3.6	< 2.00	< 1.00	--	--	**950**	315	**534**	**31**	5.6
B1 (JPHC)	1/6/2010	**110**	2.2	9.5	10	< 1.00	--	--	**1000**	**810**	< 240	7.7	6.9
B1 (JPHC)	5/25/2010	**250**	11	26	64	< 1.00	--	--	**1400**	**13000**	**720**	13	6.5
B1 (JPHC)	8/19/2010	**280**	26	32	120	< 1.00	--	--	**2000**	**11000**	**780**	11	5.0
B1 (JPHC)	12/7/2010	**150**	42	39	160	< 1.0	--	--	**2900**	**4700**	**650**	6.6	4.8
B1 (JPHC)	1/26/2011	**41**	16	21	100	< 1.0	--	--	**1200**	**3000**	370	4.9	4.1
B1 (JPHC)	6/16/2011	**140**	8.2	52	340	< 1.0	--	--	**4600**	**7700**	**1600**	8.0	4.2
B1 (JPHC)	9/22/2011	3.3	< 0.50	2.7	9.2	1.5	--	--	520	304	< 476	3.3	< 2.0
B1 (JPHC)	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	1.6	--	--	337	129	< 381	< 10.0	< 10.0

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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[1]**	**500**	**500**	**15**	
B1 (JPHC)	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	83.0	86.6	< 400	< 10.0	< 10.0
B1 (JPHC)	6/19/2012	**16.9**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	**697**	< 800	< 10.0	< 10.0
B1 (JPHC)	9/21/2012	**37.5**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	448	232	**546**	< 10.0	< 10.0
B1 (JPHC)	12/11/2012	**9.4**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	359	**989**	464	< 3.0	< 3.0
B1 (JPHC)	6/26/2013	**150**	2.2	23	41	< 0.50	--	--	**1000**	140	250	11	11
B1 (JPHC)	9/26/2013	**150**	3.6	29	75	< 0.50	--	--	**990**	< 260	< 260	< 10.0	< 10.0
B1 (JPHC)	11/15/2013	**200 D**	4.4	31	89	< 0.50	--	--	**1000 Y**	< 260	< 260	< 10.0	< 10.0
B1 (JPHC)	2/13/2014	**150**	3.9	29	86	< 1.0	--	--	**2100**	**4800 BY**	**670 BY**	2.0	1.3 J
B1 (JPHC)	4/2/2014	**110**	3.4 J	23	70	< 0.74	--	--	**1800**	**4500 BY**	410 BY	1.4 J	0.93 J
B1 (JPHC)	7/11/2014	**140**	3.9	32	100	< 0.17	--	--	**1600 B**	**5400 BY**	**600 Y**	1.4 J	1.0 J
B1 (JPHC)	10/22/2014	**160**	4.9	39	180 B	0.20 J	--	--	**2500 B**	**2300 Y**	30 J	1.4 JB	0.60 J
B1 (JPHC)	1/21/2015	**130**	2.4	21	88	< 0.17	--	--	**1700**	**4600 H1BY^**	300 H1Y^	0.51 J	0.39 J
B1 (JPHC)	12/16/2015	**89**	2	15	36	< 0.17	--	--	**1600**	**2600**	330	--	--
B1 (JPHC)	3/11/2016	**80**	0.99 J	7.9	22	0.27 J	--	--	**950**	**4300**	**1000**	0.27 J	< 0.17
B1 (JPHC)	6/1/2016	**93**	2.1	10	34	< 0.11	--	--	**1400**	**4400**	**1000**	1.6 J	0.32 J
B1 (JPHC)	8/29/2016	**140**	3.3	15	79	< 1.0*	--	--	**1900**	**3300 B**	410 B	0.39 J	0.39 J
B1 (JPHC)	11/21/2016	**120**	3.0	15	78	< 1.0	--	--	**2100**	**4400**	**1300**	< 2.0	< 2.0
B1 (JPHC)	2/15/2017	**86**	< 2.0	10	40	< 1.0	--	--	**1600**	**3800**	**880**	< 2.0	< 2.0
B1 (JPHC)	5/26/2017	**67**	< 2.0	6.3	24 F1	< 2.0	--	--	**1100 F1**	**4200**	**1200**	< 4.0	< 4.0
B1 (JPHC)	10/17/2017	**97**	2.0	7.7	48	< 2.0	--	--	**1700**	**4600**	**1300**	< 4.0	< 4.0
B1 (JPHC)	2/8/2018	**88**	< 2.0	6.6	39	< 2.0	--	--	**1400**	**3700**	**1500**	< 4.0	< 4.0
B1 (JPHC)	9/11/2018	**130**	< 2.0	6.0	38	< 1.0	--	--	**1600**	**5100**	**2000**	< 4.0	< 4.0
B1 (JPHC)	11/15/2018	**130**	2.4	6.3	51	< 1.0	--	--	**2500**	**5300**	**3000**	< 4.0	< 4.0
B1 (JPHC)	1/29/2019	**57**	< 2.0	3.7	34	< 1.0	--	--	**1800**	**3600**	**2100**	< 4.0	< 4.0
B1 (JPHC)	9/26/2019	**80**	3.2	3.1	39	< 2.0	--	--	**1700**	**3900**	**2200**	< 4.0	< 4.0
B3 (JPHC)	2/15/1995	1.0	< 0.5	< 0.5	< 1.0	--	--	--	< 50	340	**1200**	10	--
B3 (JPHC)	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
B3 (JPHC)	7/20/1995	< 0.5	0.90	< 0.5	2.6	--	--	--	91	370	< 750	--	--
B3 (JPHC)	10/25/1995	0.57	2.6	0.84	9.0	--	--	--	750	**810**	**1600**	--	--
B3 (JPHC)	1/23/1996	0.64	11	3.6	35.0	--	--	--	**5400**	**810**	**1900**	--	--
B3 (JPHC)	4/17/1996	< 0.5	1.0	< 0.5	< 1.0	--	--	--	80	330	< 750	--	--
B3 (JPHC)	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	415	< 750	--	--
B3 (JPHC)	10/10/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
B3 (JPHC)	3/11/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	407	< 750	--	--
B3 (JPHC)	5/29/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	402	**1180**	--	--
B3 (JPHC)	8/5/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	269	< 750	--	--
B3 (JPHC)	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
B3 (JPHC)	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	76.6	< 250	--	--	--
B3 (JPHC)	9/25/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
B3 (JPHC)	12/29/1998	< 2.5	< 2.5	< 2.5	< 5.0	--	--	--	< 250	< 250	< 750	--	--
B3 (JPHC)	3/9/1999	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
B3 (JPHC)	6/2/1999	< 0.500	5.43	< 0.500	4.39	--	--	--	51.9	< 250	< 750	--	--
B3 (JPHC)	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	98.2	< 250	--	--	--
B3 (JPHC)	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
B3 (JPHC)	11/10/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 80.0	< 250	< 750	--	--
B3 (JPHC)	3/19/2001	< 0.500	< 0.500	< 0.500	< 1.00	**204**	--	--	< 50.0	**1180**	**2750**	--	--
B3 (JPHC)	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	9.44	--	--	< 50.0	< 250	< 750	--	--
B3 (JPHC)	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	8.06	--	--	< 50.0	< 250	< 750	--	--
B3 (JPHC)	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**49.3**	--	--	< 50.0	< 250	< 500	--	--
B3 (JPHC)	6/6/2002	< 0.500	1.05	< 0.500	< 1.00	5.03	< 0.01	< 1.00	< 50.0	< 250	< 500	**23.5**	< 1.00

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
10822 Rosevelt Way NE
Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	
B3 (JPHC)	6/26/2003	< 0.500	< 0.500	1.30	7.36	< 1.00	--	--	296	289	< 500	11.3	< 1.00
B3 (JPHC)	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	1.61	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
B3 (JPHC)	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	3.76	--	--	< 80.0	< 250	< 500	2.28	< 1.00
B3 (JPHC)	3/29/2005	< 0.200	< 0.500	< 0.500	< 1.00	2.58	< 0.010	< 0.500	< 80.0	< 250	< 500	2.09	--
B3 (JPHC)	6/22/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	291	< 500	**18.9**	< 1.00
B3 (JPHC)	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	3.82	--	--	< 50.0	< 250	< 500	4.12	< 1.00
B3 (JPHC)	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	4.49	--	--	74.3	253	< 485	3.25	< 1.00
B3 (JPHC)	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	1.17	--	--	< 50.0	< 278	< 556	1.95	< 1.00
B3 (JPHC)	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 245	< 490	--	--
B3 (JPHC)	1/29/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	1.59	--
B3 (JPHC)	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	15.6	--	--	< 50.0	< 236	< 472	< 1.00	--
B3 (JPHC)	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	**23.5**	--	--	< 50.0	< 236	< 472	**16.9**	--
B3 (JPHC)	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	**24.1**	--	--	< 50.0	< 236	< 472	7.6	--
B3 (JPHC)	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	5.94	--	--	< 50.0	< 240	< 481	1.62	< 1.00
B3 (JPHC)	7/8/2009	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	**842**	< 472	< 1.00	< 1.00
B3 (JPHC)	10/6/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	130	< 236	< 472	7.6	< 2.00
B3 (JPHC)	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
B3 (JPHC)	5/25/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
B3 (JPHC)	8/19/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	340	420	6.1	< 2.00
B3 (JPHC)	12/7/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	6.1	< 2.0
B3 (JPHC)	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	< 2.0
B3 (JPHC)	6/16/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	260	450	2.3	< 2.0
B3 (JPHC)	9/22/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 95.2	< 476	< 2.0	< 2.0
B3 (JPHC)	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	2.2	--	--	< 50.0	< 80.0	< 400	< 10.0	< 10.0
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	46	< 2.0	< 2.0
B3 (JPHC)	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	14 J	76 JB	80 JB	< 0.17	< 0.17
B3 (JPHC)	7/11/2014	< 0.14	< 0.16	< 0.13	0.13 J	< 0.17	--	--	15 JB	140 BY	130 J	0.22 J	0.77 J
B3 (JPHC)	10/22/2014	< 1.0	< 1.0	< 1.0	0.18 JB	0.72 J	--	--	< 50	210 Y	67 J	< 2.0	< 2.0
B3 (JPHC)	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	31 J	210 H1BY^	170 J^H1	< 0.17	< 0.17
B3 (JPHC)	12/14/2015	< 0.42	< 0 *	< 0.51	< 0.50	0.19 J	--	--	< 27	57	< 30	--	--
B3 (JPHC)	3/11/2016	< 0.025	< 0.025	< 0.030	< 0.060	0.058 J	--	--	44 J	130	200 J	< 0.17	< 0.17
B3 (JPHC)	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0*	--	--	< 50	51 JB	34 JB	< 2.0	< 2.0
B3 (JPHC)	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	110	< 250	< 2.0	< 2.0
B3 (JPHC)	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	140	< 250	< 2.0	< 2.0
B3 (JPHC)	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	150	< 260	< 4.0	< 4.0
B3 (JPHC)	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	230	< 250	< 4.0	< 4.0
B3 (JPHC)	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	160	< 430	< 4.0	< 4.0
B3 (JPHC)	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**5000**	**1900**	< 4.0	< 4.0
B3 (JPHC)	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	180	< 350	< 4.0	< 4.0
IW-1	11/17/2017	--	--	--	--	--	--	--	--	--	--	3.1	--
IW-1	12/7/2017	**11**	2.5	25	310	--	--	--	**9800**	--	--	--	--

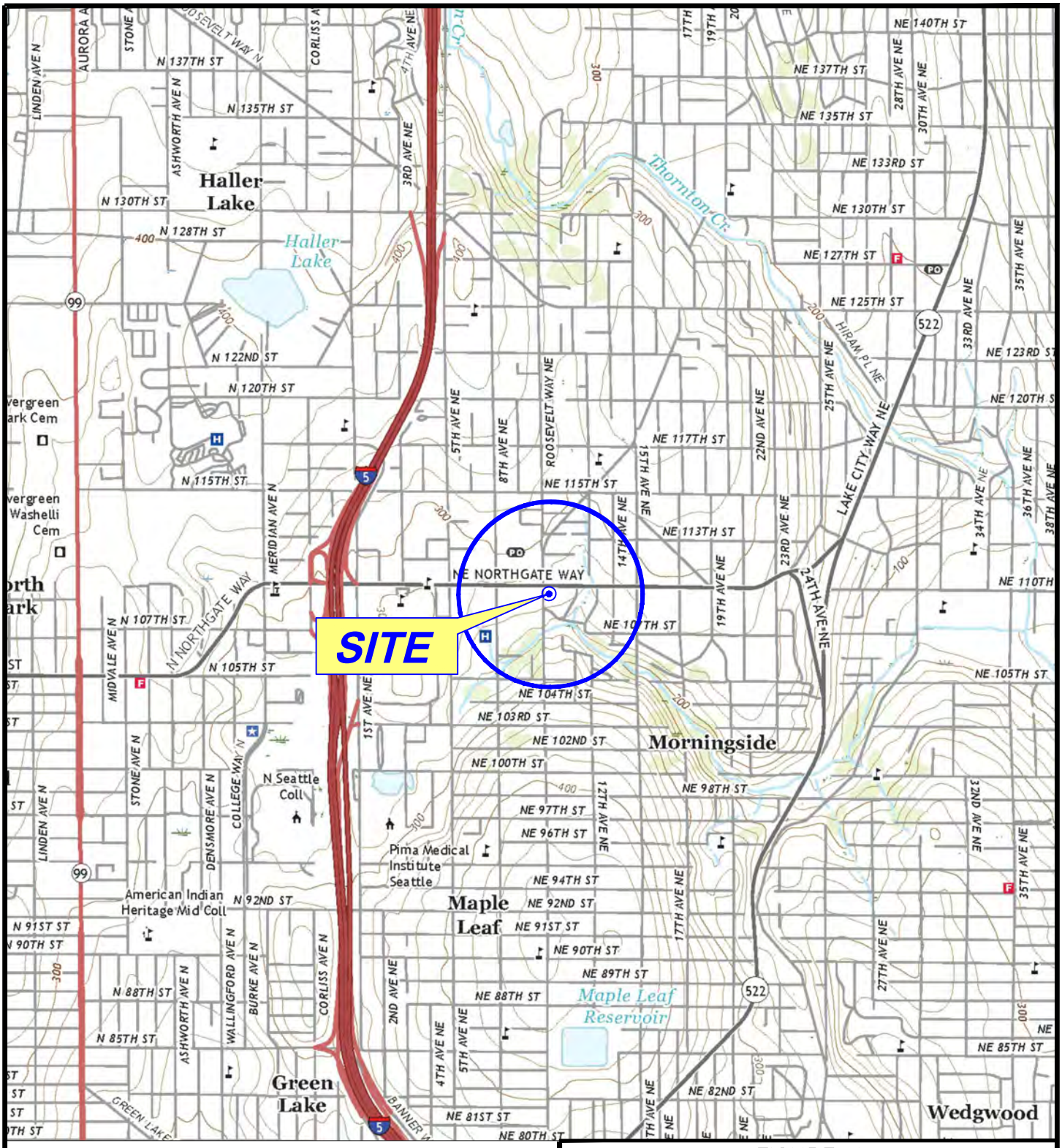
Notes:
B = Benzene

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
10822 Rosevelt Way NE
Seattle, WA 98125

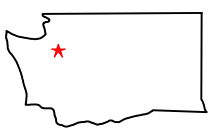
CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS	**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1000/800[1]**	**500**	**500**	**15**	

T = Toluene
E = Ethylbenzene
X = Xylenes, Total
MTBE = Methyl-tertiary-butyl ether
EDB = 1,2-Dibromo-ethane
EDC = 1,2-Dichloro-ethane
TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx
TPH-D = Total petroleum hydrocarbons as diesel by Northwest Method NWTPH-Dx
TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Dx
1,000/800[1] ug/L if no detectable levels of Benzene in the sample - otherwise 800 ug/L
NE = Not evaluated
<1.0 = Concentrations were not detected above the laboratory method reporting limit.
ug/L = Micrograms per liter (ppb)
ND = Not detected
-- = No value given/Not analyzed/Not applicable
MTCA = Model Toxics Control Act
Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels
* = LCS or LCSD is outside acceptance limits
Y = The chromatographic response resembles a typical fuel pattern.
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 & H1 = Sample was prepped or analyzed beyond the specific holding time
F1 = MS and/or MSD Recovery is outside acceptance limits.
F2 = MS/MSD RPD exceeds control limits.
^ = Re-extraction and re-analysis of samples was performed beyond the specified holding time as the LCS or LCSD exceeded control limits and the compound was found in the blank and sample.
D = The reported result is from a dilution.

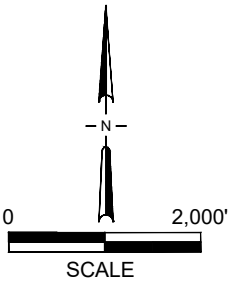
Figures



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



QUADRANGLE LOCATION



SCALE

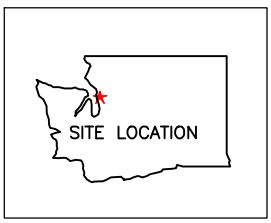
FIGURE 1
SITE LOCATION MAP

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

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

antea group

GENERAL NOTES:
BASE MAP FROM GOOGLE EARTH 2018



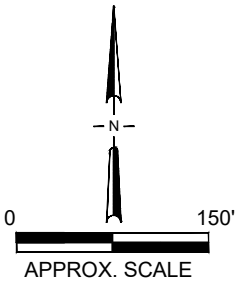
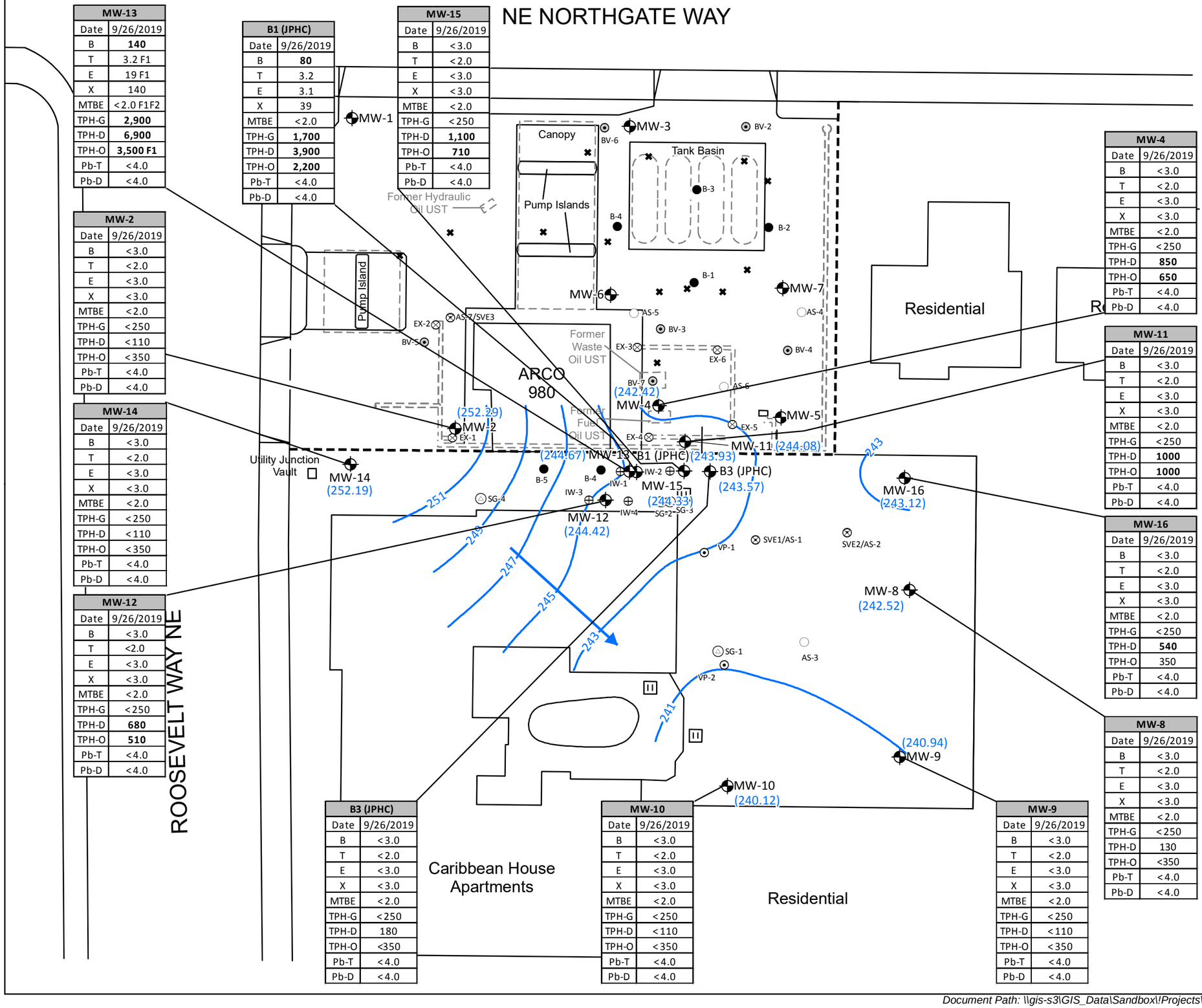


FIGURE 2
SITE AERIAL MAP

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

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

antea group



MW-13	
Date	9/26/2019
B	**140**
T	3.2 F1
E	19 F1
X	140
MTBE	<2.0 F1F2
TPH-G	**2,900**
TPH-D	**6,900**
TPH-O	**3,500 F1**
Pb-T	<4.0
Pb-D	<4.0

B1 (JPHC)	
Date	9/26/2019
B	**80**
T	3.2
E	3.1
X	39
MTBE	<2.0
TPH-G	**1,700**
TPH-D	**3,900**
TPH-O	**2,200**
Pb-T	<4.0
Pb-D	<4.0

MW-15	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	**1,100**
TPH-O	**710**
Pb-T	<4.0
Pb-D	<4.0

MW-4	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	**850**
TPH-O	**650**
Pb-T	<4.0
Pb-D	<4.0

MW-2	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110
TPH-O	<350
Pb-T	<4.0
Pb-D	<4.0

MW-11	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	**1000**
TPH-O	**1000**
Pb-T	<4.0
Pb-D	<4.0

MW-14	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110
TPH-O	<350
Pb-T	<4.0
Pb-D	<4.0

MW-16	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	**540**
TPH-O	350
Pb-T	<4.0
Pb-D	<4.0

MW-12	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	**680**
TPH-O	**510**
Pb-T	<4.0
Pb-D	<4.0

MW-8	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	130
TPH-O	<350
Pb-T	<4.0
Pb-D	<4.0

B3 (JPHC)	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	180
TPH-O	<350
Pb-T	<4.0
Pb-D	<4.0

MW-10	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110
TPH-O	<350
Pb-T	<4.0
Pb-D	<4.0

MW-9	
Date	9/26/2019
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110
TPH-O	<350
Pb-T	<4.0
Pb-D	<4.0

LEGEND

- GROUNDWATER MONITORING WELL
- AIR SPARGING WELL LOCATION
- EXTRACTION WELL LOCATION
- SOIL VAPOR EXTRACTION WELL
- INJECTION WELL LOCATION INSTALLED BY INNOVEX
- SOIL VAPOR EXTRACTION / VACUUM PRESSURE MONITORING POINT
- BIOVENTING WELL LOCATION
- SOIL GAS PROBE LOCATION
- SOIL BORING LOCATION
- SOIL SAMPLING LOCATION
- GROUNDWATER ELEVATION CONTOURS (FT)
- INFERRED GROUNDWATER FLOW DIRECTION SE (0.11 FT/LINEAR FT)
- PROPERTY BOUNDARY
- SITE FEATURES
- FORMER SITE FEATURES

CATCH BASIN

(243.12) Groundwater Elevation in Feet Referenced to the National Geodetic Vertical Datum (1929)

MW-13	Well ID
Date	Sample Date
B	Benzene
T	Toluene
E	Ethybenzene
X	Total Xylenes
MTBE	Methyl Tertiary Butyl Ether
TPH-G	Gasoline Range Organics
TPH-D	Diesel Range Organics
TPH-O	Oil Range Organics
Pb-T	Total Lead
Pb-D	Dissolved Lead

Results in bold exceed applicable action limits
All results given in micrograms per liter (ug/L)
< = Not detected at or above indicated laboratory reporting limit
F1 = MS and/or MSD Recovery is outside acceptance limits
F2 = MS/MSD RPD exceeds control limits

0 5 10 20 30 40 Feet

N

FIGURE 3

GROUNDWATER ANALYTICAL AND ELEVATION CONTOUR MAP
SEPTEMBER 26, 2019
ARCO FACILITY NO. 980
10822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

PROJECT NO.	PREPARED BY	REF SCALE
00980SA191	KY/MSS	1:360
DATE	REVIEWED BY	MAP SCALE
12/23/2019	MR	1 inch = 30 feet

antea group

Document Path: \\gis-s3\GIS_Data\Sandbox\!Projects\A-E\BP_WA\980 Seattle- CROSS CHECK CAD FILE\Layout\GWAnalytical3Q19.mxd

Appendix A

Analytical Lab Reports and Chain-of-Custody Documentation

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 580-89609-1
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:
10/15/2019 3:47:51 PM

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

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 Eurofins TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The signature on the cover page extends to the case narrative and all the data and forms in the package. The Chain of Custody is included and is an integral part of this report.

Elaine Walker
Project Manager II
10/15/2019 3:47:52 PM

Table of Contents

Definitions/Glossary

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

Job ID: 580-89609-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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)

Case Narrative

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

Job ID: 580-89609-1

Job ID: 580-89609-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative
580-89609-1

Receipt
Fifteen samples were received on 9/27/2019 11:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.9º C and 5.3º C.

GC/MS VOA
Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 580-313375 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recoveries and precision were within acceptance limits.

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

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

GC Semi VOA
Method 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_18.74_20190926 (580-89609-2), MW-8_17.06_20190926 (580-89609-3), MW-11_17.77_20190926 (580-89609-6), MW-12_13.42_20190926 (580-89609-7), MW-15_13.92_20190926 (580-89609-10) and MW-16_16.41_20190926 (580-89609-11).

Method NWTPH-Dx: Surrogate recovery for the following samples were outside control limits: MW-4_18.74_20190926 (580-89609-2), MW-13_13.34_20190926 (580-89609-8), MW-16_16.41_20190926 (580-89609-11) and B1 (JPHC)_13.78_20190926 (580-89609-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH-Dx: The matrix spike duplicate (MSD) recoveries for prep batch 580-313397 analytical batch 580-313418 were outside control limits for Motor Oil. Sample matrix interference and/or non-homogeneity are suspected because the MSD and associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recoveries and precision were within acceptance limits.

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.

Detection Summary

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

Job ID: 580-89609-1

Client Sample ID: MW-2_9.23_20190926 — Lab Sample ID: 580-89609-1

No Detections.

Client Sample ID: MW-4_18.74_20190926 — Lab Sample ID: 580-89609-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	850		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	650		350		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-8_17.06_20190926 — Lab Sample ID: 580-89609-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	130		110		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-9_18.02_20190926 — Lab Sample ID: 580-89609-4

No Detections.

Client Sample ID: MW-10_16.44_20190926 — Lab Sample ID: 580-89609-5

No Detections.

Client Sample ID: MW-11_17.77_20190926 — Lab Sample ID: 580-89609-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	1000		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	1000		350		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-12_13.42_20190926 — Lab Sample ID: 580-89609-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	2.1		2.0		ug/L	1		8260C	Total/NA
#2 Diesel (C10-C24)	680		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	510		350		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-13_13.34_20190926 — Lab Sample ID: 580-89609-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		3.0		ug/L	1		8260C	Total/NA
Toluene	3.2	F1	2.0		ug/L	1		8260C	Total/NA
Ethylbenzene	19	F1	3.0		ug/L	1		8260C	Total/NA
Xylenes, Total	140		3.0		ug/L	1		8260C	Total/NA
Gasoline	2900		250		ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	6900		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	3500	F1	350		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-14_6.08_20190926 — Lab Sample ID: 580-89609-9

No Detections.

Client Sample ID: MW-15_13.92_20190926 — Lab Sample ID: 580-89609-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	1100		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	710		360		ug/L	1		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 580-89609-1

Client Sample ID: MW-16_16.41_20190926 — Lab Sample ID: 580-89609-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	540		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	350		350		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: B1 (JPHC)_13.78_20190926 — Lab Sample ID: 580-89609-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	80		3.0		ug/L	1		8260C	Total/NA
Toluene	3.2		2.0		ug/L	1		8260C	Total/NA
Ethylbenzene	3.1		3.0		ug/L	1		8260C	Total/NA
Xylenes, Total	39		3.0		ug/L	1		8260C	Total/NA
Gasoline	1700		250		ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	3900		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	2200		350		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: B3 (JPHC)_14.84_20190926 — Lab Sample ID: 580-89609-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	180		110		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: Dup-1_20190926 — Lab Sample ID: 580-89609-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	67		3.0		ug/L	1		8260C	Total/NA
Toluene	2.8		2.0		ug/L	1		8260C	Total/NA
Xylenes, Total	36		3.0		ug/L	1		8260C	Total/NA
Gasoline	1500		250		ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	3900		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	1900		360		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: Tripblank-1_20190926 — Lab Sample ID: 580-89609-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2_9.23_20190926

Lab Sample ID: 580-89609-1
Date Collected: 09/26/19 17:15
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 03:59	1
Benzene	ND		3.0		ug/L			10/05/19 03:59	1
Toluene	ND		2.0		ug/L			10/05/19 03:59	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 03:59	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*105*		*80 - 120*		*10/05/19 03:59*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/05/19 03:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 126*		*10/05/19 03:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/05/19 03:59*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/05/19 03:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			10/08/19 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*50 - 150*		*10/08/19 23:52*	*1*
Trifluorotoluene (Surr)	*102*		*50 - 150*		*10/08/19 23:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/05/19 12:24	10/06/19 13:04	1
Motor Oil (>C24-C36)	ND		350		ug/L		10/05/19 12:24	10/06/19 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*10/05/19 12:24*	*10/06/19 13:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:06	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:08	5

Client Sample ID: MW-4_18.74_20190926

Lab Sample ID: 580-89609-2
Date Collected: 09/26/19 17:50
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 04:24	1
Benzene	ND		3.0		ug/L			10/05/19 04:24	1
Toluene	ND		2.0		ug/L			10/05/19 04:24	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 04:24	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*10/05/19 04:24*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/05/19 04:24*	*1*

Client Sample ID: MW-4_18.74_20190926

Lab Sample ID: 580-89609-2
Matrix: Water
Date Collected: 09/26/19 17:50
Date Received: 09/27/19 11:20

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 126*		*10/05/19 04:24*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/05/19 04:24*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*10/05/19 04:24*	*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			10/09/19 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*50 - 150*		*10/09/19 00:22*	*1*
Trifluorotoluene (Surr)	*103*		*50 - 150*		*10/09/19 00:22*	*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)	**850**		110		ug/L		10/05/19 12:24	10/06/19 13:24	1
Motor Oil (>C24-C36)	**650**		350		ug/L		10/05/19 12:24	10/06/19 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*42*	*X*	*50 - 150*	*10/05/19 12:24*	*10/06/19 13:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:09	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:12	5

Client Sample ID: MW-8_17.06_20190926

Lab Sample ID: 580-89609-3
Matrix: Water
Date Collected: 09/26/19 11:50
Date Received: 09/27/19 11:20

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			10/05/19 04:49	1
Benzene	ND		3.0		ug/L			10/05/19 04:49	1
Toluene	ND		2.0		ug/L			10/05/19 04:49	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 04:49	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*105*		*80 - 120*		*10/05/19 04:49*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/05/19 04:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 126*		*10/05/19 04:49*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/05/19 04:49*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*10/05/19 04:49*	*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			10/09/19 00:53	1

Client Sample ID: MW-8_17.06_20190926

Lab Sample ID: 580-89609-3

Date Collected: 09/26/19 11:50
Matrix: Water
Date Received: 09/27/19 11:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		10/09/19 00:53	1
Trifluorotoluene (Surr)	104		50 - 150		10/09/19 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**130**		110		ug/L		10/05/19 12:24	10/06/19 13:44	1
Motor Oil (>C24-C36)	ND		350		ug/L		10/05/19 12:24	10/06/19 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	10/05/19 12:24	10/06/19 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:12	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:16	5

Client Sample ID: MW-9_18.02_20190926

Lab Sample ID: 580-89609-4

Date Collected: 09/26/19 11:20
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 05:13	1
Benzene	ND		3.0		ug/L			10/05/19 05:13	1
Toluene	ND		2.0		ug/L			10/05/19 05:13	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 05:13	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		80 - 120		10/05/19 05:13	1
Toluene-d8 (Surr)	104		80 - 120		10/05/19 05:13	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		10/05/19 05:13	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/05/19 05:13	1
Dibromofluoromethane (Surr)	97		80 - 120		10/05/19 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			10/09/19 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150		10/09/19 01:54	1
Trifluorotoluene (Surr)	97		50 - 150		10/09/19 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/05/19 12:24	10/06/19 14:04	1
Motor Oil (>C24-C36)	ND		350		ug/L		10/05/19 12:24	10/06/19 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	35	X	50 - 150	10/05/19 12:24	10/06/19 14:04	1

Client Sample ID: MW-9_18.02_20190926

Lab Sample ID: 580-89609-4
Matrix: Water
Date Collected: 09/26/19 11:20
Date Received: 09/27/19 11:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:15	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:21	5

Client Sample ID: MW-10_16.44_20190926

Lab Sample ID: 580-89609-5
Matrix: Water
Date Collected: 09/26/19 10:45
Date Received: 09/27/19 11:20

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			10/05/19 05:38	1
Benzene	ND		3.0		ug/L			10/05/19 05:38	1
Toluene	ND		2.0		ug/L			10/05/19 05:38	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 05:38	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*104*		*80 - 120*		*10/05/19 05:38*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/05/19 05:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 126*		*10/05/19 05:38*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/05/19 05:38*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*10/05/19 05:38*	*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			10/09/19 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*50 - 150*		*10/09/19 02:25*	*1*
Trifluorotoluene (Surr)	*104*		*50 - 150*		*10/09/19 02:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/05/19 12:24	10/06/19 14:24	1
Motor Oil (>C24-C36)	ND		350		ug/L		10/05/19 12:24	10/06/19 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*53*		*50 - 150*	*10/05/19 12:24*	*10/06/19 14:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:19	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:25	5

Client Sample ID: MW-11_17.77_20190926

Lab Sample ID: 580-89609-6

Date Collected: 09/26/19 18:13
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 06:03	1
Benzene	ND		3.0		ug/L			10/05/19 06:03	1
Toluene	ND		2.0		ug/L			10/05/19 06:03	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 06:03	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*105*		*80 - 120*		*10/05/19 06:03*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/05/19 06:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 126*		*10/05/19 06:03*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/05/19 06:03*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*10/05/19 06:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			10/08/19 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*50 - 150*		*10/08/19 14:20*	*1*
Trifluorotoluene (Surr)	*52*		*50 - 150*		*10/08/19 14:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**1000**		110		ug/L		10/05/19 12:24	10/06/19 14:44	1
Motor Oil (>C24-C36)	**1000**		350		ug/L		10/05/19 12:24	10/06/19 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*50 - 150*	*10/05/19 12:24*	*10/06/19 14:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:22	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:29	5

Client Sample ID: MW-12_13.42_20190926

Lab Sample ID: 580-89609-7

Date Collected: 09/26/19 16:20
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 06:28	1
Benzene	ND		3.0		ug/L			10/05/19 06:28	1
Toluene	**2.1**		2.0		ug/L			10/05/19 06:28	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 06:28	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*10/05/19 06:28*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/05/19 06:28*	*1*

Client Sample ID: MW-12_13.42_20190926

Lab Sample ID: 580-89609-7

Date Collected: 09/26/19 16:20
Matrix: Water
Date Received: 09/27/19 11:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 126*		*10/05/19 06:28*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/05/19 06:28*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*10/05/19 06:28*	*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			10/08/19 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*101*		*50 - 150*		*10/08/19 14:44*	*1*
Trifluorotoluene (Surr)	*69*		*50 - 150*		*10/08/19 14:44*	*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)	**680**		110		ug/L		10/05/19 12:24	10/06/19 15:05	1
Motor Oil (>C24-C36)	**510**		350		ug/L		10/05/19 12:24	10/06/19 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*95*		*50 - 150*	*10/05/19 12:24*	*10/06/19 15:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:25	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:34	5

Client Sample ID: MW-13_13.34_20190926

Lab Sample ID: 580-89609-8

Date Collected: 09/26/19 14:55
Matrix: Water
Date Received: 09/27/19 11:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	F1 F2	2.0		ug/L			10/05/19 02:45	1
Benzene	**140**		3.0		ug/L			10/05/19 02:45	1
Toluene	**3.2**	**F1**	2.0		ug/L			10/05/19 02:45	1
Ethylbenzene	**19**	**F1**	3.0		ug/L			10/05/19 02:45	1
Xylenes, Total	**140**		3.0		ug/L			10/05/19 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	*101*		*80 - 120*		*10/05/19 02:45*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/05/19 02:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 126*		*10/05/19 02:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/05/19 02:45*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*10/05/19 02:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**2900**		250		ug/L			10/09/19 16:41	1

Client Sample ID: MW-13_13.34_20190926

Lab Sample ID: 580-89609-8

Date Collected: 09/26/19 14:55
Matrix: Water
Date Received: 09/27/19 11:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		50 - 150		10/09/19 16:41	1
Trifluorotoluene (Surr)	104		50 - 150		10/09/19 16:41	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)	6900		110		ug/L		10/05/19 12:24	10/06/19 15:45	1
Motor Oil (>C24-C36)	3500	F1	350		ug/L		10/05/19 12:24	10/06/19 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	46	X	50 - 150	10/05/19 12:24	10/06/19 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 14:31	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 21:20	5

Client Sample ID: MW-14_6.08_20190926

Lab Sample ID: 580-89609-9

Date Collected: 09/26/19 16:50
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 06:52	1
Benzene	ND		3.0		ug/L			10/05/19 06:52	1
Toluene	ND		2.0		ug/L			10/05/19 06:52	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 06:52	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 06:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		10/05/19 06:52	1
Toluene-d8 (Surr)	103		80 - 120		10/05/19 06:52	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		10/05/19 06:52	1
4-Bromofluorobenzene (Surr)	102		80 - 120		10/05/19 06:52	1
Dibromofluoromethane (Surr)	97		80 - 120		10/05/19 06:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			10/08/19 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150		10/08/19 15:09	1
Trifluorotoluene (Surr)	54		50 - 150		10/08/19 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/05/19 12:24	10/06/19 16:45	1
Motor Oil (>C24-C36)	ND		350		ug/L		10/05/19 12:24	10/06/19 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	10/05/19 12:24	10/06/19 16:45	1

Client Sample ID: MW-14_6.08_20190926

Lab Sample ID: 580-89609-9

Date Collected: 09/26/19 16:50
Matrix: Water
Date Received: 09/27/19 11:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:28	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:38	5

Client Sample ID: MW-15_13.92_20190926

Lab Sample ID: 580-89609-10

Date Collected: 09/26/19 13:50
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 07:17	1
Benzene	ND		3.0		ug/L			10/05/19 07:17	1
Toluene	ND		2.0		ug/L			10/05/19 07:17	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 07:17	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*102*		*80 - 120*		*10/05/19 07:17*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/05/19 07:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 126*		*10/05/19 07:17*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/05/19 07:17*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*10/05/19 07:17*	*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			10/08/19 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*50 - 150*		*10/08/19 17:10*	*1*
Trifluorotoluene (Surr)	*64*		*50 - 150*		*10/08/19 17:10*	*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)	**1100**		110		ug/L		10/05/19 12:24	10/06/19 17:06	1
Motor Oil (>C24-C36)	**710**		360		ug/L		10/05/19 12:24	10/06/19 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*10/05/19 12:24*	*10/06/19 17:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:31	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 22:42	5

Client Sample ID: MW-16_16.41_20190926

Lab Sample ID: 580-89609-11
Date Collected: 09/26/19 12:20
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 07:41	1
Benzene	ND		3.0		ug/L			10/05/19 07:41	1
Toluene	ND		2.0		ug/L			10/05/19 07:41	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 07:41	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*10/05/19 07:41*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/05/19 07:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 126*		*10/05/19 07:41*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/05/19 07:41*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*10/05/19 07:41*	*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			10/08/19 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*50 - 150*		*10/08/19 17:34*	*1*
Trifluorotoluene (Surr)	*77*		*50 - 150*		*10/08/19 17:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**540**		110		ug/L		10/05/19 12:24	10/06/19 17:26	1
Motor Oil (>C24-C36)	**350**		350		ug/L		10/05/19 12:24	10/06/19 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*46*	*X*	*50 - 150*	*10/05/19 12:24*	*10/06/19 17:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:35	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 23:04	5

Client Sample ID: B1 (JPHC)_13.78_20190926

Lab Sample ID: 580-89609-12
Date Collected: 09/26/19 14:20
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 08:06	1
Benzene	**80**		3.0		ug/L			10/05/19 08:06	1
Toluene	**3.2**		2.0		ug/L			10/05/19 08:06	1
Ethylbenzene	**3.1**		3.0		ug/L			10/05/19 08:06	1
Xylenes, Total	**39**		3.0		ug/L			10/05/19 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*100*		*80 - 120*		*10/05/19 08:06*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/05/19 08:06*	*1*

Client Sample ID: B1 (JPHC)_13.78_20190926

Lab Sample ID: 580-89609-12

Date Collected: 09/26/19 14:20
Matrix: Water
Date Received: 09/27/19 11:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 126*		*10/05/19 08:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/05/19 08:06*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*10/05/19 08:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**1700**		250		ug/L			10/08/19 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*112*		*50 - 150*		*10/08/19 17:58*	*1*
Trifluorotoluene (Surr)	*106*		*50 - 150*		*10/08/19 17:58*	*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)	**3900**		110		ug/L		10/05/19 12:24	10/06/19 17:46	1
Motor Oil (>C24-C36)	**2200**		350		ug/L		10/05/19 12:24	10/06/19 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*42*	*X*	*50 - 150*	*10/05/19 12:24*	*10/06/19 17:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:47	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 23:09	5

Client Sample ID: B3 (JPHC)_14.84_20190926

Lab Sample ID: 580-89609-13

Date Collected: 09/26/19 13:25
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 08:31	1
Benzene	ND		3.0		ug/L			10/05/19 08:31	1
Toluene	ND		2.0		ug/L			10/05/19 08:31	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 08:31	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 08:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	*103*		*80 - 120*		*10/05/19 08:31*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/05/19 08:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 126*		*10/05/19 08:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/05/19 08:31*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*10/05/19 08:31*	*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			10/08/19 18:22	1

Client Sample ID: B3 (JPHC)_14.84_20190926

Lab Sample ID: 580-89609-13

Date Collected: 09/26/19 13:25
Matrix: Water
Date Received: 09/27/19 11:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		10/08/19 18:22	1
Trifluorotoluene (Surr)	72		50 - 150		10/08/19 18:22	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)	**180**		110		ug/L		10/05/19 12:24	10/06/19 18:06	1
Motor Oil (>C24-C36)	ND		350		ug/L		10/05/19 12:24	10/06/19 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150	10/05/19 12:24	10/06/19 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:51	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 23:13	5

Client Sample ID: Dup-1_20190926

Lab Sample ID: 580-89609-14

Date Collected: 09/26/19 06:00
Matrix: Water
Date Received: 09/27/19 11:20

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			10/05/19 08:55	1
Benzene	**67**		3.0		ug/L			10/05/19 08:55	1
Toluene	**2.8**		2.0		ug/L			10/05/19 08:55	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 08:55	1
Xylenes, Total	**36**		3.0		ug/L			10/05/19 08:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	103		80 - 120		10/05/19 08:55	1
Toluene-d8 (Surr)	102		80 - 120		10/05/19 08:55	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		10/05/19 08:55	1
4-Bromofluorobenzene (Surr)	102		80 - 120		10/05/19 08:55	1
Dibromofluoromethane (Surr)	95		80 - 120		10/05/19 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**1500**		250		ug/L			10/09/19 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		50 - 150		10/09/19 16:17	1
Trifluorotoluene (Surr)	99		50 - 150		10/09/19 16:17	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)	**3900**		110		ug/L		10/05/19 12:24	10/06/19 18:26	1
Motor Oil (>C24-C36)	**1900**		360		ug/L		10/05/19 12:24	10/06/19 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	10/05/19 12:24	10/06/19 18:26	1

Client Sample ID: Dup-1_20190926

Lab Sample ID: 580-89609-14

Date Collected: 09/26/19 06:00

Matrix: Water

Date Received: 09/27/19 11:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 15:54	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 23:17	5

Client Sample ID: Tripblank-1_20190926

Lab Sample ID: 580-89609-15

Date Collected: 09/26/19 00:00

Matrix: Water

Date Received: 09/27/19 11:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			10/05/19 01:06	1
Toluene	ND		2.0		ug/L			10/05/19 01:06	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 01:06	1
m-Xylene & p-Xylene	ND		3.0		ug/L			10/05/19 01:06	1
o-Xylene	ND		2.0		ug/L			10/05/19 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/05/19 01:06*	*1*
Trifluorotoluene (Surr)	*101*		*80 - 120*		*10/05/19 01:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/05/19 01:06*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*10/05/19 01:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 126*		*10/05/19 01:06*	*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			10/08/19 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*50 - 150*		*10/08/19 12:43*	*1*
Trifluorotoluene (Surr)	*64*		*50 - 150*		*10/08/19 12:43*	*1*

Surrogate Summary

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

Job ID: 580-89609-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)				
		TFT	TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-126)	(80-120)	(80-120)
580-89609-1	MW-2_9.23_20190926	105	102	101	101	99
580-89609-2	MW-4_18.74_20190926	103	103	102	101	98
580-89609-3	MW-8_17.06_20190926	105	103	100	102	98
580-89609-4	MW-9_18.02_20190926	103	104	102	101	97
580-89609-5	MW-10_16.44_20190926	104	104	103	102	98
580-89609-6	MW-11_17.77_20190926	105	100	104	101	99
580-89609-7	MW-12_13.42_20190926	103	103	104	102	97
580-89609-8	MW-13_13.34_20190926	101	105	103	99	95
580-89609-8 MS	MW-13_13.34_20190926	106	105	104	103	100
580-89609-8 MSD	MW-13_13.34_20190926	103	103	99	102	97
580-89609-9	MW-14_6.08_20190926	102	103	102	102	97
580-89609-10	MW-15_13.92_20190926	102	102	102	94	97
580-89609-11	MW-16_16.41_20190926	103	102	100	100	97
580-89609-12	B1 (JPHC)_13.78_20190926	100	102	99	101	96
580-89609-13	B3 (JPHC)_14.84_20190926	103	101	101	101	96
580-89609-14	Dup-1_20190926	103	102	103	102	95
580-89609-15	Tripblank-1_20190926	101	102	101	101	95
LCS 580-313375/3	Lab Control Sample	101	102	103	101	98
LCSD 580-313375/4	Lab Control Sample Dup	101	101	103	102	98
MB 580-313375/6	Method Blank	103	103	102	102	96

Surrogate Legend

TFT = Trifluorotoluene (Surr)
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	TFT1
Lab Sample ID	Client Sample ID	(50-150)	(50-150)
580-89609-1	MW-2_9.23_20190926	96	102
580-89609-2	MW-4_18.74_20190926	93	103
580-89609-3	MW-8_17.06_20190926	92	104
580-89609-4	MW-9_18.02_20190926	98	97
580-89609-5	MW-10_16.44_20190926	98	104
580-89609-6	MW-11_17.77_20190926	102	52
580-89609-7	MW-12_13.42_20190926	101	69
580-89609-8	MW-13_13.34_20190926	101	104
580-89609-8 MS	MW-13_13.34_20190926	110	100
580-89609-8 MSD	MW-13_13.34_20190926	113	109
580-89609-9	MW-14_6.08_20190926	98	54
580-89609-10	MW-15_13.92_20190926	96	64
580-89609-11	MW-16_16.41_20190926	95	77
580-89609-12	B1 (JPHC)_13.78_20190926	112	106
580-89609-13	B3 (JPHC)_14.84_20190926	92	72
580-89609-14	Dup-1_20190926	102	99

Surrogate Summary

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

Job ID: 580-89609-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (50-150)	TFT1 (50-150)
580-89609-15	Tripblank-1_20190926	100	64
LCS 580-313622/10	Lab Control Sample	101	105
LCS 580-313628/6	Lab Control Sample	98	102
LCS 580-313719/8	Lab Control Sample	95	96
LCSD 580-313622/11	Lab Control Sample Dup	97	104
LCSD 580-313628/7	Lab Control Sample Dup	100	109
LCSD 580-313719/9	Lab Control Sample Dup	93	106
MB 580-313622/9	Method Blank	99	117
MB 580-313628/5	Method Blank	95	113
MB 580-313719/7	Method Blank	83	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
TFT = Trifluorotoluene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) OTPH (50-150)
580-89609-1	MW-2_9.23_20190926	58
580-89609-2	MW-4_18.74_20190926	42 X
580-89609-3	MW-8_17.06_20190926	87
580-89609-4	MW-9_18.02_20190926	35 X
580-89609-5	MW-10_16.44_20190926	53
580-89609-6	MW-11_17.77_20190926	88
580-89609-7	MW-12_13.42_20190926	95
580-89609-8	MW-13_13.34_20190926	46 X
580-89609-8 MS	MW-13_13.34_20190926	71
580-89609-8 MSD	MW-13_13.34_20190926	65
580-89609-9	MW-14_6.08_20190926	85
580-89609-10	MW-15_13.92_20190926	79
580-89609-11	MW-16_16.41_20190926	46 X
580-89609-12	B1 (JPHC)_13.78_20190926	42 X
580-89609-13	B3 (JPHC)_14.84_20190926	88
580-89609-14	Dup-1_20190926	82
LCS 580-313397/2-A	Lab Control Sample	83
LCSD 580-313397/3-A	Lab Control Sample Dup	80
MB 580-313397/1-A	Method Blank	91

Surrogate Legend

OTPH = o-Terphenyl

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

Lab Sample ID: MB 580-313375/6
Matrix: Water
Analysis Batch: 313375

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			10/05/19 00:42	1
Benzene	ND		3.0		ug/L			10/05/19 00:42	1
Toluene	ND		2.0		ug/L			10/05/19 00:42	1
Ethylbenzene	ND		3.0		ug/L			10/05/19 00:42	1
m-Xylene & p-Xylene	ND		3.0		ug/L			10/05/19 00:42	1
o-Xylene	ND		2.0		ug/L			10/05/19 00:42	1
Xylenes, Total	ND		3.0		ug/L			10/05/19 00:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/05/19 00:42*	*1*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*10/05/19 00:42*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/05/19 00:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 126*		*10/05/19 00:42*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*10/05/19 00:42*	*1*

Lab Sample ID: LCS 580-313375/3
Matrix: Water
Analysis Batch: 313375

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	9.34		ug/L		93	72 - 130
Benzene	10.0	9.73		ug/L		97	75 - 121
Toluene	10.0	9.96		ug/L		100	80 - 120
Ethylbenzene	10.0	10.1		ug/L		101	80 - 120
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	80 - 120
o-Xylene	10.0	10.3		ug/L		103	80 - 120
Xylenes, Total	20.0	20.5		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
Trifluorotoluene (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 126*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-313375/4
Matrix: Water
Analysis Batch: 313375

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	9.84		ug/L		98	72 - 130	5	18
Benzene	10.0	9.77		ug/L		98	75 - 121	0	14
Toluene	10.0	9.75		ug/L		97	80 - 120	2	19
Ethylbenzene	10.0	9.88		ug/L		99	80 - 120	2	14
m-Xylene & p-Xylene	10.0	10.0		ug/L		100	80 - 120	2	14
o-Xylene	10.0	10.2		ug/L		102	80 - 120	1	16
Xylenes, Total	20.0	20.2		ug/L		101	80 - 120	1	16

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

Lab Sample ID: LCSD 580-313375/4
Matrix: Water
Analysis Batch: 313375

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*101*		*80 - 120*
Trifluorotoluene (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 126*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: 580-89609-8 MS
Matrix: Water
Analysis Batch: 313375

Client Sample ID: MW-13_13.34_20190926
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND	F1 F2	10.0	4.69	F1	ug/L		47	72 - 130
Benzene	140		10.0	148	4	ug/L		61	75 - 121
Toluene	3.2	F1	10.0	8.67	F1	ug/L		55	80 - 120
Ethylbenzene	19	F1	10.0	21.4	F1	ug/L		26	80 - 120
m-Xylene & p-Xylene	57		10.0	54.5	4	ug/L		-27	80 - 120
o-Xylene	84		10.0	84.1	4	ug/L		4	80 - 120
Xylenes, Total	140		20.0	139	4	ug/L		-12	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 126*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*

Lab Sample ID: 580-89609-8 MSD
Matrix: Water
Analysis Batch: 313375

Client Sample ID: MW-13_13.34_20190926
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND	F1 F2	10.0	3.66	F1 F2	ug/L		37	72 - 130	25	18
Benzene	140		10.0	141	4	ug/L		-13	75 - 121	5	14
Toluene	3.2	F1	10.0	7.19	F1	ug/L		40	80 - 120	19	19
Ethylbenzene	19	F1	10.0	20.1	F1	ug/L		13	80 - 120	6	14
m-Xylene & p-Xylene	57		10.0	52.1	4	ug/L		-51	80 - 120	4	14
o-Xylene	84		10.0	84.4	4	ug/L		6	80 - 120	0	16
Xylenes, Total	140		20.0	137	4	ug/L		-23	80 - 120	2	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 126*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 580-313622/9
Matrix: Water
Analysis Batch: 313622

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			10/08/19 14:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*50 - 150*		*10/08/19 14:33*	*1*
Trifluorotoluene (Surr)	*117*		*50 - 150*		*10/08/19 14:33*	*1*

Lab Sample ID: LCS 580-313622/10
Matrix: Water
Analysis Batch: 313622

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	915		ug/L		92	79 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*50 - 150*
Trifluorotoluene (Surr)	*105*		*50 - 150*

Lab Sample ID: LCSD 580-313622/11
Matrix: Water
Analysis Batch: 313622

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	923		ug/L		92	79 - 120	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*
Trifluorotoluene (Surr)	*104*		*50 - 150*

Lab Sample ID: MB 580-313628/5
Matrix: Water
Analysis Batch: 313628

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			10/08/19 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*50 - 150*		*10/08/19 11:30*	*1*
Trifluorotoluene (Surr)	*113*		*50 - 150*		*10/08/19 11:30*	*1*

Lab Sample ID: LCS 580-313628/6
Matrix: Water
Analysis Batch: 313628

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	932		ug/L		93	79 - 120		

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

Lab Sample ID: LCS 580-313628/6
Matrix: Water
Analysis Batch: 313628

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		50 - 150
Trifluorotoluene (Surr)	102		50 - 150

Lab Sample ID: LCSD 580-313628/7
Matrix: Water
Analysis Batch: 313628

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	937		ug/L		94	79 - 120	1	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		50 - 150
Trifluorotoluene (Surr)	109		50 - 150

Lab Sample ID: MB 580-313719/7
Matrix: Water
Analysis Batch: 313719

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			10/09/19 11:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		50 - 150		10/09/19 11:27	1
Trifluorotoluene (Surr)	93		50 - 150		10/09/19 11:27	1

Lab Sample ID: LCS 580-313719/8
Matrix: Water
Analysis Batch: 313719

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline			1000	868		ug/L		87	79 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		50 - 150
Trifluorotoluene (Surr)	96		50 - 150

Lab Sample ID: LCSD 580-313719/9
Matrix: Water
Analysis Batch: 313719

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	881		ug/L		88	79 - 120	1	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		50 - 150
Trifluorotoluene (Surr)	106		50 - 150

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

Lab Sample ID: 580-89609-8 MS — **Client Sample ID: MW-13_13.34_20190926**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 313719

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	2900		1000	3720		ug/L		85	79 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*50 - 150*
Trifluorotoluene (Surr)	*100*		*50 - 150*

Lab Sample ID: 580-89609-8 MSD — **Client Sample ID: MW-13_13.34_20190926**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 313719

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	2900		1000	4000		ug/L		112	79 - 120	7	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*50 - 150*
Trifluorotoluene (Surr)	*109*		*50 - 150*

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

Lab Sample ID: MB 580-313397/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 313418 — **Prep Batch: 313397**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		10/05/19 12:24	10/06/19 12:03	1
Motor Oil (>C24-C36)	ND		350		ug/L		10/05/19 12:24	10/06/19 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*10/05/19 12:24*	*10/06/19 12:03*	*1*

Lab Sample ID: LCS 580-313397/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 313418 — **Prep Batch: 313397**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)			2000	1750		ug/L		88	50 - 120		
Motor Oil (>C24-C36)			2000	2190		ug/L		109	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*83*		*50 - 150*

Lab Sample ID: LCSD 580-313397/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 313418 — **Prep Batch: 313397**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			2000	1860		ug/L		93	50 - 120	6	26
Motor Oil (>C24-C36)			2000	2170		ug/L		109	64 - 120	1	24

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	80		50 - 150

Lab Sample ID: 580-89609-8 MS — **Client Sample ID: MW-13_13.34_20190926**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 313418 — **Prep Batch: 313397**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	6900		2020	9300		ug/L		120	50 - 120
Motor Oil (>C24-C36)	3500	F1	2020	6190	F1	ug/L		135	64 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	71		50 - 150

Lab Sample ID: 580-89609-8 MSD — **Client Sample ID: MW-13_13.34_20190926**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 313418 — **Prep Batch: 313397**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	6900		2010	8020		ug/L		57	50 - 120	15	26
Motor Oil (>C24-C36)	3500	F1	2010	5140		ug/L		84	64 - 120	19	24

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	65		50 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-313919/23-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 314244 — **Prep Batch: 313919**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/10/19 13:05	10/11/19 14:27	5

Lab Sample ID: LCS 580-313919/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 314244 — **Prep Batch: 313919**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	973		ug/L		97	80 - 120

Lab Sample ID: LCSD 580-313919/25-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 314244 — **Prep Batch: 313919**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	969		ug/L		97	80 - 120	0	20

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

Lab Sample ID: 580-89609-8 MS
Matrix: Water
Analysis Batch: 314244

Client Sample ID: MW-13_13.34_20190926
Prep Type: Total Recoverable
Prep Batch: 313919

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		1000	981		ug/L		98	80 - 120

Lab Sample ID: 580-89609-8 MSD
Matrix: Water
Analysis Batch: 314244

Client Sample ID: MW-13_13.34_20190926
Prep Type: Total Recoverable
Prep Batch: 313919

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	953		ug/L		95	80 - 120	3	20

Lab Sample ID: 580-89609-8 DU
Matrix: Water
Analysis Batch: 314244

Client Sample ID: MW-13_13.34_20190926
Prep Type: Total Recoverable
Prep Batch: 313919

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 580-313667/19-B
Matrix: Water
Analysis Batch: 314274

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 314067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		10/11/19 14:46	10/14/19 21:15	5

Lab Sample ID: LCS 580-313667/20-B
Matrix: Water
Analysis Batch: 314274

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 314067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	954		ug/L		95	80 - 120

Lab Sample ID: LCSD 580-313667/21-B
Matrix: Water
Analysis Batch: 314274

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 314067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	957		ug/L		96	80 - 120	0	20

Lab Sample ID: 580-89609-8 MS
Matrix: Water
Analysis Batch: 314274

Client Sample ID: MW-13_13.34_20190926
Prep Type: Dissolved
Prep Batch: 314067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND		1000	1040		ug/L		103	80 - 120

Lab Sample ID: 580-89609-8 MSD
Matrix: Water
Analysis Batch: 314274

Client Sample ID: MW-13_13.34_20190926
Prep Type: Dissolved
Prep Batch: 314067

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	1170		ug/L		117	80 - 120	12	20

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

Job ID: 580-89609-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 580-89609-8 DU
Matrix: Water
Analysis Batch: 314274

Client Sample ID: MW-13_13.34_20190926
Prep Type: Dissolved
Prep Batch: 314067

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

QC Association Summary

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

Job ID: 580-89609-1

GC/MS VOA

Analysis Batch: 313375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Total/NA	Water	8260C	
580-89609-2	MW-4_18.74_20190926	Total/NA	Water	8260C	
580-89609-3	MW-8_17.06_20190926	Total/NA	Water	8260C	
580-89609-4	MW-9_18.02_20190926	Total/NA	Water	8260C	
580-89609-5	MW-10_16.44_20190926	Total/NA	Water	8260C	
580-89609-6	MW-11_17.77_20190926	Total/NA	Water	8260C	
580-89609-7	MW-12_13.42_20190926	Total/NA	Water	8260C	
580-89609-8	MW-13_13.34_20190926	Total/NA	Water	8260C	
580-89609-9	MW-14_6.08_20190926	Total/NA	Water	8260C	
580-89609-10	MW-15_13.92_20190926	Total/NA	Water	8260C	
580-89609-11	MW-16_16.41_20190926	Total/NA	Water	8260C	
580-89609-12	B1 (JPHC)_13.78_20190926	Total/NA	Water	8260C	
580-89609-13	B3 (JPHC)_14.84_20190926	Total/NA	Water	8260C	
580-89609-14	Dup-1_20190926	Total/NA	Water	8260C	
580-89609-15	Tripblank-1_20190926	Total/NA	Water	8260C	
MB 580-313375/6	Method Blank	Total/NA	Water	8260C	
LCS 580-313375/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 580-313375/4	Lab Control Sample Dup	Total/NA	Water	8260C	
580-89609-8 MS	MW-13_13.34_20190926	Total/NA	Water	8260C	
580-89609-8 MSD	MW-13_13.34_20190926	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 313622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-2	MW-4_18.74_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-3	MW-8_17.06_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-4	MW-9_18.02_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-5	MW-10_16.44_20190926	Total/NA	Water	NWTPH-Gx	
MB 580-313622/9	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-313622/10	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-313622/11	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 313628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-6	MW-11_17.77_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-7	MW-12_13.42_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-9	MW-14_6.08_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-10	MW-15_13.92_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-11	MW-16_16.41_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-12	B1 (JPHC)_13.78_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-13	B3 (JPHC)_14.84_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-15	Tripblank-1_20190926	Total/NA	Water	NWTPH-Gx	
MB 580-313628/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-313628/6	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-313628/7	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 313719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-8	MW-13_13.34_20190926	Total/NA	Water	NWTPH-Gx	

GC VOA (Continued)

Analysis Batch: 313719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-14	Dup-1_20190926	Total/NA	Water	NWTPH-Gx	
MB 580-313719/7	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-313719/8	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-313719/9	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
580-89609-8 MS	MW-13_13.34_20190926	Total/NA	Water	NWTPH-Gx	
580-89609-8 MSD	MW-13_13.34_20190926	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 313397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Total/NA	Water	3510C	
580-89609-2	MW-4_18.74_20190926	Total/NA	Water	3510C	
580-89609-3	MW-8_17.06_20190926	Total/NA	Water	3510C	
580-89609-4	MW-9_18.02_20190926	Total/NA	Water	3510C	
580-89609-5	MW-10_16.44_20190926	Total/NA	Water	3510C	
580-89609-6	MW-11_17.77_20190926	Total/NA	Water	3510C	
580-89609-7	MW-12_13.42_20190926	Total/NA	Water	3510C	
580-89609-8	MW-13_13.34_20190926	Total/NA	Water	3510C	
580-89609-9	MW-14_6.08_20190926	Total/NA	Water	3510C	
580-89609-10	MW-15_13.92_20190926	Total/NA	Water	3510C	
580-89609-11	MW-16_16.41_20190926	Total/NA	Water	3510C	
580-89609-12	B1 (JPHC)_13.78_20190926	Total/NA	Water	3510C	
580-89609-13	B3 (JPHC)_14.84_20190926	Total/NA	Water	3510C	
580-89609-14	Dup-1_20190926	Total/NA	Water	3510C	
MB 580-313397/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-313397/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-313397/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
580-89609-8 MS	MW-13_13.34_20190926	Total/NA	Water	3510C	
580-89609-8 MSD	MW-13_13.34_20190926	Total/NA	Water	3510C	

Analysis Batch: 313418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-2	MW-4_18.74_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-3	MW-8_17.06_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-4	MW-9_18.02_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-5	MW-10_16.44_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-6	MW-11_17.77_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-7	MW-12_13.42_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-8	MW-13_13.34_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-9	MW-14_6.08_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-10	MW-15_13.92_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-11	MW-16_16.41_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-12	B1 (JPHC)_13.78_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-13	B3 (JPHC)_14.84_20190926	Total/NA	Water	NWTPH-Dx	313397
580-89609-14	Dup-1_20190926	Total/NA	Water	NWTPH-Dx	313397
MB 580-313397/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	313397
LCS 580-313397/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	313397
LCSD 580-313397/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	313397
580-89609-8 MS	MW-13_13.34_20190926	Total/NA	Water	NWTPH-Dx	313397

GC Semi VOA (Continued)

Analysis Batch: 313418 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-8 MSD	MW-13_13.34_20190926	Total/NA	Water	NWTPH-Dx	313397

Metals

Filtration Batch: 313667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Dissolved	Water	FILTRATION	
580-89609-2	MW-4_18.74_20190926	Dissolved	Water	FILTRATION	
580-89609-3	MW-8_17.06_20190926	Dissolved	Water	FILTRATION	
580-89609-4	MW-9_18.02_20190926	Dissolved	Water	FILTRATION	
580-89609-5	MW-10_16.44_20190926	Dissolved	Water	FILTRATION	
580-89609-6	MW-11_17.77_20190926	Dissolved	Water	FILTRATION	
580-89609-7	MW-12_13.42_20190926	Dissolved	Water	FILTRATION	
580-89609-8	MW-13_13.34_20190926	Dissolved	Water	FILTRATION	
580-89609-9	MW-14_6.08_20190926	Dissolved	Water	FILTRATION	
580-89609-10	MW-15_13.92_20190926	Dissolved	Water	FILTRATION	
580-89609-11	MW-16_16.41_20190926	Dissolved	Water	FILTRATION	
580-89609-12	B1 (JPHC)_13.78_20190926	Dissolved	Water	FILTRATION	
580-89609-13	B3 (JPHC)_14.84_20190926	Dissolved	Water	FILTRATION	
580-89609-14	Dup-1_20190926	Dissolved	Water	FILTRATION	
MB 580-313667/19-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-313667/20-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-313667/21-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
580-89609-8 MS	MW-13_13.34_20190926	Dissolved	Water	FILTRATION	
580-89609-8 MSD	MW-13_13.34_20190926	Dissolved	Water	FILTRATION	
580-89609-8 DU	MW-13_13.34_20190926	Dissolved	Water	FILTRATION	

Prep Batch: 313919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Total Recoverable	Water	3005A	
580-89609-2	MW-4_18.74_20190926	Total Recoverable	Water	3005A	
580-89609-3	MW-8_17.06_20190926	Total Recoverable	Water	3005A	
580-89609-4	MW-9_18.02_20190926	Total Recoverable	Water	3005A	
580-89609-5	MW-10_16.44_20190926	Total Recoverable	Water	3005A	
580-89609-6	MW-11_17.77_20190926	Total Recoverable	Water	3005A	
580-89609-7	MW-12_13.42_20190926	Total Recoverable	Water	3005A	
580-89609-8	MW-13_13.34_20190926	Total Recoverable	Water	3005A	
580-89609-9	MW-14_6.08_20190926	Total Recoverable	Water	3005A	
580-89609-10	MW-15_13.92_20190926	Total Recoverable	Water	3005A	
580-89609-11	MW-16_16.41_20190926	Total Recoverable	Water	3005A	
580-89609-12	B1 (JPHC)_13.78_20190926	Total Recoverable	Water	3005A	
580-89609-13	B3 (JPHC)_14.84_20190926	Total Recoverable	Water	3005A	
580-89609-14	Dup-1_20190926	Total Recoverable	Water	3005A	
MB 580-313919/23-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-313919/24-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-313919/25-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
580-89609-8 MS	MW-13_13.34_20190926	Total Recoverable	Water	3005A	
580-89609-8 MSD	MW-13_13.34_20190926	Total Recoverable	Water	3005A	
580-89609-8 DU	MW-13_13.34_20190926	Total Recoverable	Water	3005A	

Metals

Prep Batch: 314067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Dissolved	Water	3005A	313667
580-89609-2	MW-4_18.74_20190926	Dissolved	Water	3005A	313667
580-89609-3	MW-8_17.06_20190926	Dissolved	Water	3005A	313667
580-89609-4	MW-9_18.02_20190926	Dissolved	Water	3005A	313667
580-89609-5	MW-10_16.44_20190926	Dissolved	Water	3005A	313667
580-89609-6	MW-11_17.77_20190926	Dissolved	Water	3005A	313667
580-89609-7	MW-12_13.42_20190926	Dissolved	Water	3005A	313667
580-89609-8	MW-13_13.34_20190926	Dissolved	Water	3005A	313667
580-89609-9	MW-14_6.08_20190926	Dissolved	Water	3005A	313667
580-89609-10	MW-15_13.92_20190926	Dissolved	Water	3005A	313667
580-89609-11	MW-16_16.41_20190926	Dissolved	Water	3005A	313667
580-89609-12	B1 (JPHC)_13.78_20190926	Dissolved	Water	3005A	313667
580-89609-13	B3 (JPHC)_14.84_20190926	Dissolved	Water	3005A	313667
580-89609-14	Dup-1_20190926	Dissolved	Water	3005A	313667
MB 580-313667/19-B	Method Blank	Dissolved	Water	3005A	313667
LCS 580-313667/20-B	Lab Control Sample	Dissolved	Water	3005A	313667
LCSD 580-313667/21-B	Lab Control Sample Dup	Dissolved	Water	3005A	313667
580-89609-8 MS	MW-13_13.34_20190926	Dissolved	Water	3005A	313667
580-89609-8 MSD	MW-13_13.34_20190926	Dissolved	Water	3005A	313667
580-89609-8 DU	MW-13_13.34_20190926	Dissolved	Water	3005A	313667

Analysis Batch: 314244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Total Recoverable	Water	6020B	313919
580-89609-2	MW-4_18.74_20190926	Total Recoverable	Water	6020B	313919
580-89609-3	MW-8_17.06_20190926	Total Recoverable	Water	6020B	313919
580-89609-4	MW-9_18.02_20190926	Total Recoverable	Water	6020B	313919
580-89609-5	MW-10_16.44_20190926	Total Recoverable	Water	6020B	313919
580-89609-6	MW-11_17.77_20190926	Total Recoverable	Water	6020B	313919
580-89609-7	MW-12_13.42_20190926	Total Recoverable	Water	6020B	313919
580-89609-8	MW-13_13.34_20190926	Total Recoverable	Water	6020B	313919
580-89609-9	MW-14_6.08_20190926	Total Recoverable	Water	6020B	313919
580-89609-10	MW-15_13.92_20190926	Total Recoverable	Water	6020B	313919
580-89609-11	MW-16_16.41_20190926	Total Recoverable	Water	6020B	313919
580-89609-12	B1 (JPHC)_13.78_20190926	Total Recoverable	Water	6020B	313919
580-89609-13	B3 (JPHC)_14.84_20190926	Total Recoverable	Water	6020B	313919
580-89609-14	Dup-1_20190926	Total Recoverable	Water	6020B	313919
MB 580-313919/23-A	Method Blank	Total Recoverable	Water	6020B	313919
LCS 580-313919/24-A	Lab Control Sample	Total Recoverable	Water	6020B	313919
LCSD 580-313919/25-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	313919
580-89609-8 MS	MW-13_13.34_20190926	Total Recoverable	Water	6020B	313919
580-89609-8 MSD	MW-13_13.34_20190926	Total Recoverable	Water	6020B	313919
580-89609-8 DU	MW-13_13.34_20190926	Total Recoverable	Water	6020B	313919

Analysis Batch: 314274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-1	MW-2_9.23_20190926	Dissolved	Water	6020B	314067
580-89609-2	MW-4_18.74_20190926	Dissolved	Water	6020B	314067
580-89609-3	MW-8_17.06_20190926	Dissolved	Water	6020B	314067
580-89609-4	MW-9_18.02_20190926	Dissolved	Water	6020B	314067
580-89609-5	MW-10_16.44_20190926	Dissolved	Water	6020B	314067

Metals (Continued)

Analysis Batch: 314274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-89609-6	MW-11_17.77_20190926	Dissolved	Water	6020B	314067
580-89609-7	MW-12_13.42_20190926	Dissolved	Water	6020B	314067
580-89609-8	MW-13_13.34_20190926	Dissolved	Water	6020B	314067
580-89609-9	MW-14_6.08_20190926	Dissolved	Water	6020B	314067
580-89609-10	MW-15_13.92_20190926	Dissolved	Water	6020B	314067
580-89609-11	MW-16_16.41_20190926	Dissolved	Water	6020B	314067
580-89609-12	B1 (JPHC)_13.78_20190926	Dissolved	Water	6020B	314067
580-89609-13	B3 (JPHC)_14.84_20190926	Dissolved	Water	6020B	314067
580-89609-14	Dup-1_20190926	Dissolved	Water	6020B	314067
MB 580-313667/19-B	Method Blank	Dissolved	Water	6020B	314067
LCS 580-313667/20-B	Lab Control Sample	Dissolved	Water	6020B	314067
LCSD 580-313667/21-B	Lab Control Sample Dup	Dissolved	Water	6020B	314067
580-89609-8 MS	MW-13_13.34_20190926	Dissolved	Water	6020B	314067
580-89609-8 MSD	MW-13_13.34_20190926	Dissolved	Water	6020B	314067
580-89609-8 DU	MW-13_13.34_20190926	Dissolved	Water	6020B	314067

Lab Chronicle

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

Job ID: 580-89609-1

Client Sample ID: MW-2_9.23_20190926

Lab Sample ID: 580-89609-1

Date Collected: 09/26/19 17:15

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 03:59	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313622	10/08/19 23:52	DCV	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 13:04	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:08	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:06	FCW	TAL SEA

Client Sample ID: MW-4_18.74_20190926

Lab Sample ID: 580-89609-2

Date Collected: 09/26/19 17:50

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 04:24	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313622	10/09/19 00:22	DCV	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 13:24	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:12	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:09	FCW	TAL SEA

Client Sample ID: MW-8_17.06_20190926

Lab Sample ID: 580-89609-3

Date Collected: 09/26/19 11:50

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 04:49	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313622	10/09/19 00:53	DCV	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 13:44	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:16	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:12	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-89609-1

Client Sample ID: MW-9_18.02_20190926

Lab Sample ID: 580-89609-4

Date Collected: 09/26/19 11:20

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 05:13	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313622	10/09/19 01:54	DCV	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 14:04	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:21	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:15	FCW	TAL SEA

Client Sample ID: MW-10_16.44_20190926

Lab Sample ID: 580-89609-5

Date Collected: 09/26/19 10:45

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 05:38	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313622	10/09/19 02:25	DCV	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 14:24	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:25	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:19	FCW	TAL SEA

Client Sample ID: MW-11_17.77_20190926

Lab Sample ID: 580-89609-6

Date Collected: 09/26/19 18:13

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 06:03	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313628	10/08/19 14:20	W1T	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 14:44	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:29	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:22	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-89609-1

Client Sample ID: MW-12_13.42_20190926

Lab Sample ID: 580-89609-7

Date Collected: 09/26/19 16:20

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 06:28	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313628	10/08/19 14:44	W1T	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 15:05	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:34	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:25	FCW	TAL SEA

Client Sample ID: MW-13_13.34_20190926

Lab Sample ID: 580-89609-8

Date Collected: 09/26/19 14:55

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 02:45	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313719	10/09/19 16:41	DCV	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 15:45	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 21:20	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 14:31	FCW	TAL SEA

Client Sample ID: MW-14_6.08_20190926

Lab Sample ID: 580-89609-9

Date Collected: 09/26/19 16:50

Matrix: Water

Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 06:52	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313628	10/08/19 15:09	W1T	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 16:45	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:38	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:28	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-89609-1

Client Sample ID: MW-15_13.92_20190926
Lab Sample ID: 580-89609-10
Date Collected: 09/26/19 13:50
Matrix: Water
Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 07:17	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313628	10/08/19 17:10	W1T	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 17:06	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 22:42	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:31	FCW	TAL SEA

Client Sample ID: MW-16_16.41_20190926
Lab Sample ID: 580-89609-11
Date Collected: 09/26/19 12:20
Matrix: Water
Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 07:41	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313628	10/08/19 17:34	W1T	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 17:26	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:13	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 23:04	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:35	FCW	TAL SEA

Client Sample ID: B1 (JPHC)_13.78_20190926
Lab Sample ID: 580-89609-12
Date Collected: 09/26/19 14:20
Matrix: Water
Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 08:06	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313628	10/08/19 17:58	W1T	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 17:46	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:14	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 23:09	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:47	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-89609-1

Client Sample ID: B3 (JPHC)_14.84_20190926

Lab Sample ID: 580-89609-13

Date Collected: 09/26/19 13:25
Matrix: Water
Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 08:31	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313628	10/08/19 18:22	W1T	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 18:06	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:14	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 23:13	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:51	FCW	TAL SEA

Client Sample ID: Dup-1_20190926

Lab Sample ID: 580-89609-14

Date Collected: 09/26/19 06:00
Matrix: Water
Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 08:55	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313719	10/09/19 16:17	DCV	TAL SEA
Total/NA	Prep	3510C			313397	10/05/19 12:24	N1C	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	313418	10/06/19 18:26	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			313667	10/08/19 14:14	A1B	TAL SEA
Dissolved	Prep	3005A			314067	10/11/19 14:46	A1B	TAL SEA
Dissolved	Analysis	6020B		5	314274	10/14/19 23:17	FCW	TAL SEA
Total Recoverable	Prep	3005A			313919	10/10/19 13:05	A1B	TAL SEA
Total Recoverable	Analysis	6020B		5	314244	10/11/19 15:54	FCW	TAL SEA

Client Sample ID: Tripblank-1_20190926

Lab Sample ID: 580-89609-15

Date Collected: 09/26/19 00:00
Matrix: Water
Date Received: 09/27/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	313375	10/05/19 01:06	W1T	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	313628	10/08/19 12:43	W1T	TAL SEA

Laboratory References:

TAL SEA = Eurofins 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

Job ID: 580-89609-1

Laboratory: Eurofins TestAmerica, Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State Program	C553	02-17-20

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

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

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

Job ID: 580-89609-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SEA
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	TAL SEA
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SEA
6020B	Metals (ICP/MS)	SW846	TAL SEA
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SEA
5030B	Purge and Trap	SW846	TAL SEA
FILTRATION	Sample Filtration	None	TAL SEA

Protocol References:

None = None

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

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

Sample Summary

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

Job ID: 580-89609-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-89609-1	MW-2_9.23_20190926	Water	09/26/19 17:15	09/27/19 11:20	
580-89609-2	MW-4_18.74_20190926	Water	09/26/19 17:50	09/27/19 11:20	
580-89609-3	MW-8_17.06_20190926	Water	09/26/19 11:50	09/27/19 11:20	
580-89609-4	MW-9_18.02_20190926	Water	09/26/19 11:20	09/27/19 11:20	
580-89609-5	MW-10_16.44_20190926	Water	09/26/19 10:45	09/27/19 11:20	
580-89609-6	MW-11_17.77_20190926	Water	09/26/19 18:13	09/27/19 11:20	
580-89609-7	MW-12_13.42_20190926	Water	09/26/19 16:20	09/27/19 11:20	
580-89609-8	MW-13_13.34_20190926	Water	09/26/19 14:55	09/27/19 11:20	
580-89609-9	MW-14_6.08_20190926	Water	09/26/19 16:50	09/27/19 11:20	
580-89609-10	MW-15_13.92_20190926	Water	09/26/19 13:50	09/27/19 11:20	
580-89609-11	MW-16_16.41_20190926	Water	09/26/19 12:20	09/27/19 11:20	
580-89609-12	B1 (JPHC)_13.78_20190926	Water	09/26/19 14:20	09/27/19 11:20	
580-89609-13	B3 (JPHC)_14.84_20190926	Water	09/26/19 13:25	09/27/19 11:20	
580-89609-14	Dup-1_20190926	Water	09/26/19 06:00	09/27/19 11:20	
580-89609-15	Tripblank-1_20190926	Water	09/26/19 00:00	09/27/19 11:20	

89609

bp rm

Laboratory Management Program (LaMP) Chain of Custody Record
Soil, Sediment and Groundwater Samples

BP Site Node Path: ARCO 980 | Req Due Date (mm/dd/yy): Standard TAT | Rush TAT Yes ____ No X

BP/RM Facility No: ARCO Facility No. 00980 | Lab Work Order Number:

Lab Name:	Test America	BP/ARC Facility Address:	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:	00980SA191.20100
Lab PM:	00980SA191.20100.BJ	WR329961/009VH-0006	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:	Brad Jackson
Lab Shipping Accnt:	NA	Enfos Proposal No:	WR329961/009VH-0010	Phone: 425-498-7717	Email: Brad.Jackson@anteagroup.com
	Michael Dahlstrom Email:	michaeldahlstrom@hotmail.com			
	Grace				
Lab Bottle Order No:	NA	Accounting Mode:	Provision ___X___ OOC-BU _____ OOC-RM _____	Send/Submit EDD to:	Brad.Jackson@anteagroup.com
Other Info:	elaine.walker@testamericainc.com	Stage	2_Select (20) Activity Additional Data Collection (100)	Invoice To:	BP-RM _____ BP/ARC ___X___
BP/RM PM:	Wade Melton				
PM Phone:	360-594-7978				
PM Email:	wade.melton@bp.com				

Sample Details | **Requested Analyses** | **Report Type & QC Level**

Report Type & QC Level: Limited (Standard) Package — Limited Plus Package — Full Package

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Filt	Pres	Analysis	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	Comments
-1	MW-2_9.23_20190926	9-26-19	1715	W				G	10				X	X	X	X	X	X	
	MW-4_18.74_20190926	9-26-19	1750	W				G	10				X	X	X	X	X	X	
-3	MW-8_17.06_20190926	9-26-19	1150	W				G	10				X	X	X	X	X	X	
	MW-9_18.08_20190926	9-26-19	1120	W				G	10				X	X	X	X	X	X	
-5	MW-10_16.44_20190926	9-26-19	1045	W				G	10				X	X	X	X	X	X	
	MW-11_17.77_20190926	9-26-19	1815	W				G	10				X	X	X	X	X	X	
-7	MW-12_13.43_20190926	9-26-19	1620	W				G	10				X	X	X	X	X	X	

580-89609 Chain of Custody

Sampler's Name: Marissa Bernard/Katelyn Younger	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Antea Group	Marissa Bernard/Antea	9-27-19	1120	B. Hall SEN TM	9.27.19	1120
Ship Method: Courier Ship Date:						
Shipment Tracking No:						

Special Instructions:

THI

Therm. ID: A1 Cor: 4.9 ° Unc: 5.0 ° Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C

Cooler Dsc: 1g Green
Packing: Bub
Cust. Seal: Yes ✓ No ____
Blue Ice, (Wet) Dry, None
FedEx: ____
UPS: ____
Lab Cour: X
Other: ____

Therm. ID: A1 Cor: 5.3 ° Unc: 5.4 ° / No

Cooler Dsc: 1g Blue
Packing: Bub
Cust. Seal: Yes X No ____
Blue Ice, (Wet) Dry, None
FedEx: ____
UPS: ____
Lab Cour: K
Other: ____

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

bp rm

BP Site Node Path:	ARCO 980	**Req Due Date (mm/dd/yy):**	Standard TAT
		Rush TAT Yes ___	No X
BP/RM Facility No:	ARCO Facility No. 00980	**Lab Work Order Number:**	

Lab Name:	Test America	BP/ARC Facility Address:	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:	00980SA191.20100
Lab PM:	00980SA191.20100.BJ	WR329961/009VH-0006	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:	Brad Jackson
Lab Shipping Accnt:	NA	Enfos Proposal No:	WR329961/009VH-0010	Phone: 425-498-7717	Email: Brad.Jackson@anteagroup.com
	Michael Dahlstrom Email:	michaeldahlstrom@hotmail.com			
	Grace				
Lab Bottle Order No:	NA	Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Send/Submit EDD to:	Brad.Jackson@anteagroup.com
Other Info:	elaine.walker@testamericainc.com	Stage 2_Select (20)	Activity Additional Data Collection (100)	Invoice To:	BP-RM ___ BP/ARC X
BP/RM PM:	Wade Melton				
PM Phone:	360-594-7978				
PM Email:	wade.melton@bp.com				

Sample Details | **Requested Analyses** | **Report Type & QC Level**: Limited (Standard) Package — / Limited Plus Package / Full Package

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	Comments
	MW-13_13.34_20190926	9-26-19	1455	W				G	30		X	X	X	X	X	X	MS/MSD included
-9	MW-14_6.08_20190926	9-26-19	1650	W				G	10		X	X	X	X	X	X	
	MW-15_13.92_20190926	9-26-19	1350	W				G	10		X	X	X	X	X	X	
-11	MW-16_16.41-20190926	9-26-19	1220	W				G	10		X	X	X	X	X	X	
	B1 (JPHC)_13.78_20190926	9-26-19	1420	W				G	10		X	X	X	X	X	X	
-13	B3 (JPHC)_14.84_20190926	9-26-19	1325	W				G	10		X	X	X	X	X	X	
	Dup-1_20190926	9-26-19	0600	W				G	10		X	X	X	X	X	X	

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	MB/KY	[signature] / Antea	9-27-19	1120	[signature] SEA TA	9-27-19	1120
Sampler's Company:	Antea Group						
Ship Method: Courier	Ship Date:						
Shipment Tracking No:							

Special Instructions:

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

BP LaMP Soil/H2O COC July 2018

10/15/2019

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

bp rm

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

BP Site Node Path: ARCO 980 **Req Due Date (mm/dd/yy):** Standard TAT Rush TAT Yes ____ No X

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

Lab Name:	Test America	BP/ARC Facility Address:	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:	00980SA191.20100
Lab PM:	00980SA191.20100.BJ	WR329961/009VH-0006	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:	Brad Jackson
Lab Shipping Accnt:	NA	Enfos Proposal No:	WR329961/009VH-0010	Phone: 425-498-7717	Email: Brad.Jackson@anteagroup.com
	Michael Dahlstrom Email:	michaeldahlstrom@hotmail.com			
	Grace				
Lab Bottle Order No:	NA	Accounting Mode:	Provision ___X___ OOC-BU _____ OOC-RM _____	Send/Submit EDD to:	Brad.Jackson@anteagroup.com
Other Info:	elaine.walker@testamericainc.com	Stage	2_Select (20) Activity Additional Data Collection (100)	Invoice To:	BP-RM _____ BP/ARC ___X___
BP/RM PM:	Wade Melton	**Sample Details**		**Requested Analyses**	**Report Type & QC Level**
					Limited (Standard) Package —
PM Phone:	360-594-7978				Limited Plus Package
PM Email:	wade.melton@bp.com				Full Package

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Filt	Pres	Analysis	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	Comments
-15	Tripblank-1	9-26-19	0000	W					6				X		X				

Sampler's Name:	MB / KY	**Relinquished By / Affiliation**	**Date**	**Time**	**Accepted By / Affiliation**	**Date**	**Time**
Sampler's Company:	Antea Group	Marissa Bernard/Antea	9-27-19	1120	B Lee SERTA	9-27-19	1120
Ship Method:	Courier Ship Date:						
Shipment Tracking No:							

Special Instructions:

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

BP LaMP Soil/H2O COC July 2018

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-89609-1

Login Number: 89609
List Number: 1
Creator: O'Connell, Jason I

List Source: Eurofins TestAmerica, Seattle

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313375 Batch Start Date: 10/04/19 22:38 Batch Analyst: Thaneerat, Wijittra 1

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS/TFT 00011	VOAMasterMix 00043	
LCS 580-313375/3		8260C		5 mL	5 mL		2 uL	10 uL	
LCSD 580-313375/4		8260C		5 mL	5 mL		2 uL	10 uL	
MB 580-313375/6		8260C		5 mL	5 mL		2 uL		
580-89609-F-15	Tripblank-1	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-8	MW-13_13.34_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-8 MS	MW-13_13.34_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL	8.6 uL	
580-89609-E-8 MSD	MW-13_13.34_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL	8.6 uL	
580-89609-E-1	MW-2_9.23_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-2	MW-4_18.74_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-3	MW-8_17.06_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-4	MW-9_18.02_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-5	MW-10_16.44_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-6	MW-11_17.77_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-7	MW-12_13.42_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-9	MW-14_6.08_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-E-10	MW-15_13.92_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-J-11	MW-16_16.41_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-J-12	B1 (JPHC)_13.78_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-J-13	B3 (JPHC)_14.84_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		
580-89609-J-14	Dup-1_20190926	8260C	T	5 mL	5 mL	<2 SU	2 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313375 Batch Start Date: 10/04/19 22:38 Batch Analyst: Thaneerat, Wijittra 1

Batch Method: 8260C Batch End Date:

Batch Notes	
Vial Lot Number	0103701e

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313622 Batch Start Date: 10/08/19 13:32 Batch Analyst: Vaughan, Dmiitra C

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	BFBGRO ARCHON 00038	GRO_LCS 00056	TFT Spike 00036
MB 580-313622/9		NWTPH-Gx		5 mL	5 mL		1 uL		10.75 uL
LCS 580-313622/10		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-313622/11		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-89609-G-1	MW-2_9.23_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	1 uL		10.75 uL
580-89609-G-2	MW-4_18.74_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	1 uL		10.75 uL
580-89609-G-3	MW-8_17.06_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	1 uL		10.75 uL
580-89609-G-4	MW-9_18.02_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	1 uL		10.75 uL
580-89609-G-5	MW-10_16.44_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	1 uL		10.75 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	V2.4TFT-EX 00041					
MB 580-313622/9		NWTPH-Gx							
LCS 580-313622/10		NWTPH-Gx		1250 uL					
LCSD 580-313622/11		NWTPH-Gx		1250 uL					
580-89609-G-1	MW-2_9.23_20190926	NWTPH-Gx	T						
580-89609-G-2	MW-4_18.74_20190926	NWTPH-Gx	T						
580-89609-G-3	MW-8_17.06_20190926	NWTPH-Gx	T						
580-89609-G-4	MW-9_18.02_20190926	NWTPH-Gx	T						
580-89609-G-5	MW-10_16.44_20190926	NWTPH-Gx	T						

Batch Notes	
Vial Lot Number	0103701E

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313622 Batch Start Date: 10/08/19 13:32 Batch Analyst: Vaughan, Dmiitra C

Batch Method: NWTPH-Gx Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313628 Batch Start Date: 10/08/19 10:42 Batch Analyst: Thaneerat, Wijittra 1

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	BFBGRO ARCHON 00038	GRO_LCS 00056	TFT Spike 00036
MB 580-313628/5		NWTPH-Gx		5 mL	5 mL		2 uL		10.75 uL
LCS 580-313628/6		NWTPH-Gx		5 mL	5 mL		2 uL	50 uL	
LCSD 580-313628/7		NWTPH-Gx		5 mL	5 mL		2 uL	50 uL	
580-89609-A-15	Tripblank-1	NWTPH-Gx	T	5 mL	5 mL	<2 SU	2 uL		10.75 uL
580-89609-F-6	MW-11_17.77_20190926	NWTPH-Gx	T	5 mL	5 mL	<2 SU	2 uL		10.75 uL
580-89609-F-7	MW-12_13.42_20190926	NWTPH-Gx	T	5 mL	5 mL	<2 SU	2 uL		10.75 uL
580-89609-F-9	MW-14_6.08_20190926	NWTPH-Gx	T	5 mL	5 mL	<2 SU	2 uL		10.75 uL
580-89609-F-10	MW-15_13.92_20190926	NWTPH-Gx	T	5 mL	5 mL	<2 SU	2 uL		10.75 uL
580-89609-E-11	MW-16_16.41_20190926	NWTPH-Gx	T	5 mL	5 mL	<2 SU	2 uL		10.75 uL
580-89609-E-12	B1 (JPHC)_13.78_20190926	NWTPH-Gx	T	5 mL	5 mL	<2 SU	2 uL		10.75 uL
580-89609-E-13	B3 (JPHC)_14.84_20190926	NWTPH-Gx	T	5 mL	5 mL	<2 SU	2 uL		10.75 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	V2.4TFT-EX 00041					
MB 580-313628/5		NWTPH-Gx							
LCS 580-313628/6		NWTPH-Gx		2500 uL					
LCSD 580-313628/7		NWTPH-Gx		2500 uL					
580-89609-A-15	Tripblank-1	NWTPH-Gx	T						
580-89609-F-6	MW-11_17.77_20190926	NWTPH-Gx	T						
580-89609-F-7	MW-12_13.42_20190926	NWTPH-Gx	T						
580-89609-F-9	MW-14_6.08_20190926	NWTPH-Gx	T						
580-89609-F-10	MW-15_13.92_20190926	NWTPH-Gx	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313628 Batch Start Date: 10/08/19 10:42 Batch Analyst: Thaneerat, Wijittra 1

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	V2.4TFT-EX 00041					
580-89609-E-11	MW-16_16.41_20190926	NWTPH-Gx	T						
580-89609-E-12	B1 (JPHC)_13.78_20190926	NWTPH-Gx	T						
580-89609-E-13	B3 (JPHC)_14.84_20190926	NWTPH-Gx	T						

Batch Notes	
pH Indicator ID	0.0-0.6 lot #6901002
Vial Lot Number	lot #0217701E

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313719 Batch Start Date: 10/09/19 10:39 Batch Analyst: Vaughan, Dmiitra C

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	BFBGRO ARCHON 00038	GRO_LCS 00056	TFT Spike 00036
MB 580-313719/7		NWTPH-Gx		5 mL	5 mL		2 uL		10.75 uL
LCS 580-313719/8		NWTPH-Gx		5 mL	5 mL		2 uL	50 uL	
LCSD 580-313719/9		NWTPH-Gx		5 mL	5 mL		2 uL	50 uL	
580-89609-F-14	Dup-1_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-89609-G-8	MW-13_13.34_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-89609-G-8 MS	MW-13_13.34_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL	21.5 uL	10.75 uL
580-89609-G-8 MSD	MW-13_13.34_20190926	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL	21.5 uL	10.75 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	V2.4TFT-EX 00041					
MB 580-313719/7		NWTPH-Gx							
LCS 580-313719/8		NWTPH-Gx		2500 uL					
LCSD 580-313719/9		NWTPH-Gx		2500 uL					
580-89609-F-14	Dup-1_20190926	NWTPH-Gx	T						
580-89609-G-8	MW-13_13.34_20190926	NWTPH-Gx	T						
580-89609-G-8 MS	MW-13_13.34_20190926	NWTPH-Gx	T						
580-89609-G-8 MSD	MW-13_13.34_20190926	NWTPH-Gx	T						

Batch Notes	
pH Indicator ID	0.0-6.0 LOT#6901002
Pipette/Syringe/Dispenser ID	B50N, C25N, C2500
Vial Lot Number	0217701E

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313397 Batch Start Date: 10/05/19 12:24 Batch Analyst: Coy, Nickolas D

Batch Method: 3510C Batch End Date: 10/05/19 15:52

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-313397/1		3510C, NWTPH-Dx				250 mL	1.0 mL	7.0 SU	2.0 SU
LCS 580-313397/2		3510C, NWTPH-Dx				250 mL	1.0 mL	7.0 SU	2.0 SU
LCSD 580-313397/3		3510C, NWTPH-Dx				250 mL	1.0 mL	7.0 SU	2.0 SU
580-89609-A-1	MW-2_9.23_20190926	3510C, NWTPH-Dx	T	00434.84 g	00184.59 g	250.3 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-2	MW-4_18.74_20190926	3510C, NWTPH-Dx	T	00435.77 g	00185.91 g	249.9 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-3	MW-8_17.06_20190926	3510C, NWTPH-Dx	T	00414.97 g	00166.90 g	248.1 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-4	MW-9_18.02_20190926	3510C, NWTPH-Dx	T	00413.35 g	00166.62 g	246.7 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-5	MW-10_16.44_20190926	3510C, NWTPH-Dx	T	00414.38 g	00166.42 g	248 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-6	MW-11_17.77_20190926	3510C, NWTPH-Dx	T	00413.66 g	00167.10 g	246.6 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-7	MW-12_13.42_20190926	3510C, NWTPH-Dx	T	00433.36 g	00184.27 g	249.1 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-8	MW-13_13.34_20190926	3510C, NWTPH-Dx	T	00434.92 g	00184.45 g	250.5 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-8 MS	MW-13_13.34_20190926	3510C, NWTPH-Dx	T	00414.64 g	00167.24 g	247.4 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-8 MSD	MW-13_13.34_20190926	3510C, NWTPH-Dx	T	00414.99 g	00166.50 g	248.5 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-9	MW-14_6.08_20190926	3510C, NWTPH-Dx	T	00434.95 g	00184.16 g	250.8 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-10	MW-15_13.92_20190926	3510C, NWTPH-Dx	T	00412.72 g	00166.89 g	245.8 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-11	MW-16_16.41_20190926	3510C, NWTPH-Dx	T	00435.34 g	00184.24 g	251.1 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-12	B1 (JPHC)_13.78_20190926	3510C, NWTPH-Dx	T	00413.98 g	00166.94 g	247 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-13	B3 (JPHC)_14.84_20190926	3510C, NWTPH-Dx	T	00414.12 g	00167.21 g	246.9 mL	1.0 mL	2.0 SU	N/A SU
580-89609-A-14	Dup-1_20190926	3510C, NWTPH-Dx	T	00411.67 g	00166.47 g	245.2 mL	1.0 mL	2.0 SU	N/A SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00022	TPH_WaterSurr 00050			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313397 Batch Start Date: 10/05/19 12:24 Batch Analyst: Coy, Nickolas D

Batch Method: 3510C Batch End Date: 10/05/19 15:52

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00022	TPH_WaterSurr 00050			
MB 580-313397/1		3510C, NWTPH-Dx		N/A SU		100 uL			
LCS 580-313397/2		3510C, NWTPH-Dx		N/A SU	100 uL	100 uL			
LCSD 580-313397/3		3510C, NWTPH-Dx		N/A SU	100 uL	100 uL			
580-89609-A-1	MW-2_9.23_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-2	MW-4_18.74_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-3	MW-8_17.06_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-4	MW-9_18.02_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-5	MW-10_16.44_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-6	MW-11_17.77_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-7	MW-12_13.42_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-8	MW-13_13.34_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-8 MS	MW-13_13.34_20190926	3510C, NWTPH-Dx	T	N/A SU	100 uL	100 uL			
580-89609-A-8 MSD	MW-13_13.34_20190926	3510C, NWTPH-Dx	T	N/A SU	100 uL	100 uL			
580-89609-A-9	MW-14_6.08_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-10	MW-15_13.92_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-11	MW-16_16.41_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-12	B1 (JPHC)_13.78_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-13	B3 (JPHC)_14.84_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-89609-A-14	Dup-1_20190926	3510C, NWTPH-Dx	T	N/A SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313397 Batch Start Date: 10/05/19 12:24 Batch Analyst: Coy, Nickolas D

Batch Method: 3510C Batch End Date: 10/05/19 15:52

Batch Notes	
Acid Used for pH Adjustment ID	2407340
Balance ID	SEA225
Batch Comment	Vialed by: NDC
Analyst ID - Concentration	NDC
Concentration 1 Corrected Temperature	69.8-74.8 Degrees C
Concentration 2 Corrected Temperature	18.8 Degrees C
Equipment ID - Concentration 1	Steam Bath 2
Equipment ID - Concentration 2	Turbovap 5
Analyst ID - Extraction	NDC
Filter ID	2416954
Method/Fraction	3510C_LVI/NWTPH_Dx
Na2SO4 ID	2400382
pH Indicator ID	6901002 pH 0.0-6.0/6901003 pH 4.0-10.0
Pipette/Syringe/Dispenser ID	MP1
Prep Solvent ID	2450659 DCM
Prep Solvent Volume Used	120 mL
Residual Chlorine Indicator ID	fisher cat#14-860
Analyst ID - Spike Analyst	NDC
Sufficient Volume for Batch QC	MB, LCS, LCSD
Thermometer ID - Concentration 1	661200
Thermometer ID - Concentration 2	DigitalReadout
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	21.0 Degrees C
Vial Lot Number	19103141

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313667 Batch Start Date: 10/08/19 14:13 Batch Analyst: Boyer, Alec 1

Batch Method: FILTRATION Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-89609-D-1	MW-2_9.23_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-2	MW-4_18.74_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-3	MW-8_17.06_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-4	MW-9_18.02_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-5	MW-10_16.44_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-6	MW-11_17.77_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-7	MW-12_13.42_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-8	MW-13_13.34_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-8 MS	MW-13_13.34_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-8 MSD	MW-13_13.34_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-9	MW-14_6.08_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-10	MW-15_13.92_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-11	MW-16_16.41_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-12	B1 (JPHC)_13.78_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-13	B3 (JPHC)_14.84_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-89609-D-14	Dup-1_20190926	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
MB 580-313667/19		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCS 580-313667/20		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCSD 580-313667/21		FILTRATION, 3005A, 6020B		250 mL	250 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313667 Batch Start Date: 10/08/19 14:13 Batch Analyst: Boyer, Alec 1

Batch Method: FILTRATION Batch End Date:

Batch Notes	
Batch Comment	pH paper 6711004
Filter ID	1244830
Nitric Acid ID	2461133
Pipette/Syringe/Dispenser ID	METALS-PREP-2

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313919 Batch Start Date: 10/10/19 13:05 Batch Analyst: Boyer, Alec 1

Batch Method: 3005A Batch End Date: 10/10/19 19:33

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00005	ICP CAL 2 00005	MET Spike 3C 00014	
580-89609-C-8	MW-13_13.34_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-8 DU	MW-13_13.34_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-8 MS	MW-13_13.34_20190926	3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-89609-C-8 MSD	MW-13_13.34_20190926	3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-89609-C-1	MW-2_9.23_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-2	MW-4_18.74_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-3	MW-8_17.06_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-4	MW-9_18.02_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-5	MW-10_16.44_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-6	MW-11_17.77_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-7	MW-12_13.42_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-9	MW-14_6.08_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-10	MW-15_13.92_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-11	MW-16_16.41_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-12	B1 (JPHC)_13.78_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-13	B3 (JPHC)_14.84_20190926	3005A, 6020B	R	50 mL	50 mL				
580-89609-C-14	Dup-1_20190926	3005A, 6020B	R	50 mL	50 mL				
MB 580-313919/23		3005A, 6020B		50 mL	50 mL				
LCS 580-313919/24		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-313919/25		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 313919 Batch Start Date: 10/10/19 13:05 Batch Analyst: Boyer, Alec 1

Batch Method: 3005A Batch End Date: 10/10/19 19:33

Batch Notes	
Temperature - Corrected - End	95.4 Degrees C
Temperature - Corrected - Start	95.4 Degrees C
Digestion End Time	10/10/2019 19:33
Digestion Start Time	10/10/2019 15:33
Digestion Unit ID	38010
Hydrochloric Acid ID	2486593
Nitric Acid ID	2461131
pH Indicator ID	6711004
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	see above
Sufficient Volume for Batch QC	yes
Thermometer ID	661717
Digestion Tube/Cup ID	2420489
Temperature - Uncorrected - End	96 Degrees C
Temperature - Uncorrected - Start	96 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 314067 Batch Start Date: 10/11/19 14:46 Batch Analyst: Boyer, Alec 1

Batch Method: 3005A Batch End Date: 10/11/19 19:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00005	ICP CAL 2 00005	MET Spike 3C 00014	
580-89609-D-8-A	MW-13_13.34_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-8-A DU	MW-13_13.34_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-8-B MS	MW-13_13.34_20190926	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-89609-D-8-C MSD	MW-13_13.34_20190926	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-89609-D-1-A	MW-2_9.23_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-2-A	MW-4_18.74_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-3-A	MW-8_17.06_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-4-A	MW-9_18.02_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-5-A	MW-10_16.44_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-6-A	MW-11_17.77_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-7-A	MW-12_13.42_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-9-A	MW-14_6.08_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-10-A	MW-15_13.92_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-11-A	MW-16_16.41_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-12-A	B1 (JPHC)_13.78_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-13-A	B3 (JPHC)_14.84_20190926	3005A, 6020B	D	50 mL	50 mL				
580-89609-D-14-A	Dup-1_20190926	3005A, 6020B	D	50 mL	50 mL				
MB 580-313667/19-A		3005A, 6020B		50 mL	50 mL				
LCS 580-313667/20-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-313667/21-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-89609-1

SDG No.:

Batch Number: 314067 Batch Start Date: 10/11/19 14:46 Batch Analyst: Boyer, Alec 1

Batch Method: 3005A Batch End Date: 10/11/19 19:34

Batch Notes	
Temperature - Corrected - End	95.7 Degrees C
Temperature - Corrected - Start	95.7 Degrees C
Digestion End Time	10/11/2019 19:34
Digestion Start Time	10/11/2019 15:34
Digestion Unit ID	38008
Hydrochloric Acid ID	2486593
Nitric Acid ID	2461131
pH Indicator ID	6711004
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	see above
Sufficient Volume for Batch QC	yes
Thermometer ID	661358
Digestion Tube/Cup ID	2420489
Temperature - Uncorrected - End	96 Degrees C
Temperature - Uncorrected - Start	96 Degrees C

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.