Remediation Management Services Company

4 Centerpointe Drive, Suite 200
La Palma, CA 90623
Room LPR 4-222
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July 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 - First Half of 2020, 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

First Half of 2020
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

July 6, 2020
Project No. 00980SA201

us.anteagroup.com

ARCO Facility No.	980
Address	10822 Roosevelt Way NE, Seattle, Washington
Atlantic Richfield Project Manager	Wade Melton, +1 360 594 7978
Consulting Co. /Contact Person	Antea Group / Eric Sanchez, +1 425 498 7717
Consultant Project Number	00980SA201
Primary Agency/Regulatory FS ID No.	Washington State Department of Ecology / 68996432

Work Performed during First Half of 2020

- Antea Group conducted semi-annual groundwater sampling on March 9, 2020.
- Antea Group prepared this semi-annual groundwater monitoring report.

Work Scheduled for Second 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 delineate the down-gradient extent of the dissolved phase plume.
- 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	March 9, 2020	1.25-15.73 ft. bgs.
Groundwater Gradient	March 9, 2020	Southeast, 0.11 ft./linear ft.

Remarks

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

Nathaniel Han
Staff Professional

Date: July 6, 2020

Reviewed by:

State of Washington 3351 Licensed Geologist ERIC SANCHEZ

Eric Sanchez, LG
Project Manager

Date: July 6, 2020

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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Redmond, WA 98052 USA

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Enclosures

Table

Table 1 Groundwater Gauging Data
Table 2 Groundwater Analytical Data

Figure

Figure 1 Site Location Map
Figure 2 Site Aerial Map
Figure 3 Groundwater Analytical & Elevation Contour Map – March 9, 2020

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

Tables

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	10/5/1994	262.35	2.31	NP	--	260.04	--
MW-1	2/15/1995	262.35	1.39	NP	--	260.96	--
MW-1	4/10/1995	262.35	1.11	NP	--	261.24	--
MW-1	7/20/1995	262.35	1.78	NP	--	260.57	--
MW-1	10/25/1995	262.35	1.53	NP	--	260.82	--
MW-1	1/23/1996	262.35	0.79	NP	--	261.56	--
MW-1	4/17/1996	262.35	1.13	NP	--	261.22	--
MW-1	7/8/1996	262.35	1.30	NP	--	261.05	--
MW-1	10/10/1996	262.35	1.67	NP	--	260.68	--
MW-1	3/11/1997	262.35	0.82	NP	--	261.53	--
MW-1	5/29/1997	262.35	0.99	NP	--	261.36	--
MW-1	8/5/1997	262.35	0.31	NP	--	262.04	--
MW-1	10/23/1997	262.35	0.32	NP	--	262.03	--
MW-1	3/11/1998	262.35	0.81	NP	--	261.54	--
MW-1	6/30/1998	262.35	1.26	NP	--	261.09	--
MW-1	9/25/1998	262.35	1.73	NP	--	260.62	--
MW-1	12/29/1998	262.35	0.84	NP	--	261.51	--
MW-1	3/9/1999	262.35	0.60	NP	--	261.75	--
MW-1	6/2/1999	262.35	1.04	NP	--	261.31	--
MW-1	9/27/1999	262.35	1.71	NP	--	260.64	--
MW-1	12/20/1999	262.35	1.60	NP	--	260.75	--
MW-1	3/16/2000	262.35	1.40	NP	--	260.95	--
MW-1	6/30/2000	262.35	1.50	NP	--	260.85	--
MW-1	9/27/2000	262.35	1.50	NP	--	260.85	--
MW-1	11/10/2000	262.35	1.43	NP	--	260.92	--
MW-1	3/19/2001	262.35	1.45	NP	--	260.90	--
MW-1	6/27/2001	262.35	1.75	NP	--	260.60	--
MW-1	9/26/2001	262.35	2.15	NP	--	260.20	--
MW-1	12/3/2001	262.35	1.35	NP	--	261.00	--
MW-1	6/6/2002	262.35	1.54	NP	--	260.81	--
MW-1	6/26/2003	262.35	1.62	NP	--	260.73	--
MW-1	12/9/2003	262.35	1.37	NP	--	260.98	--
MW-1	4/7/2004	262.35	1.25	NP	--	261.10	--
MW-1	11/16/2004	262.35	1.82	NP	--	260.53	--

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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-1	3/29/2005	262.35	1.00	NP	--	261.35	--
MW-1	6/22/2005	262.35	1.40	NP	--	260.95	--
MW-1	9/12/2005	262.35	1.95	NP	--	260.40	--
MW-1	12/6/2005	262.35	1.64	NP	--	260.71	--
MW-1	6/5/2006	262.35	1.77	NP	--	260.58	--
MW-1	9/24/2007	262.35	2.98	NP	--	259.37	--
MW-1	12/31/2007	262.35	--	--	--	--	WI
MW-1	1/30/2008	262.35	2.83	NP	--	259.52	--
MW-1	4/3/2008	262.35	3.13	NP	--	259.22	--
MW-1	7/2/2008	262.35	3.88	NP	--	258.47	--
MW-1	10/3/2008	262.35	3.53	NP	--	258.82	--
MW-1	1/5/2009	262.35	2.87	NP	--	259.48	--
MW-1	4/7/2009	262.35	3.08	NP	--	259.27	--
MW-1	7/8/2009	262.35	2.89	NP	--	259.46	--
MW-1	10/6/2009	262.35	3.03	NP	--	259.32	--
MW-1	1/5/2010	262.35	2.06	NP	--	260.29	--
MW-1	5/25/2010	262.35	2.20	NP	--	260.15	--
MW-1	8/19/2010	262.35	2.59	NP	--	259.76	--
MW-1	12/7/2010	262.35	2.18	NP	--	260.17	--
MW-1	1/26/2011	262.35	1.69	NP	--	260.66	--
MW-1	6/16/2011	262.35	1.97	NP	--	260.38	--
MW-1	9/22/2011	262.35	3.04	NP	--	259.31	--
MW-1	12/6/2011	262.35	3.40	NP	--	258.95	--
MW-1	3/8/2012	262.35	2.05	NP	--	260.30	--
MW-1	6/19/2012	262.35	2.04	NP	--	260.31	--
MW-1	9/21/2012	262.35	2.50	NP	--	259.85	--
MW-1	12/11/2012	262.35	1.57	NP	--	260.78	--
MW-1	6/25/2013	262.35	1.88	NP	--	260.47	--
MW-1	9/25/2013	262.35	2.14	NP	--	260.21	--
MW-1	11/14/2013	262.35	2.09	NP	--	260.26	--
MW-1	2/12/2014	262.35	1.62	NP	--	260.73	--
MW-1	4/1/2014	262.35	1.22	NP	--	261.13	--
MW-1	7/9/2014	262.35	1.90	NP	--	260.45	--
MW-1	10/20/2014	262.35	2.13	NP	--	260.22	--

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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-1	1/19/2015	262.35	1.45	NP	--	260.90	--
MW-1	12/14/2015	262.35	1.34	NP	--	261.01	--
MW-1	3/10/2016	262.35	0.74	NP	--	261.61	--
MW-1	3/9/2020	262.35	1.25	NP	--	261.10	--
MW-2	10/5/1994	261.52	10.09	NP	--	251.43	--
MW-2	2/15/1995	261.52	9.05	NP	--	252.47	--
MW-2	4/11/1995	261.52	9.05	NP	--	252.47	--
MW-2	7/20/1995	261.52	9.70	NP	--	251.82	--
MW-2	10/25/1995	261.52	9.33	NP	--	252.19	--
MW-2	1/23/1996	261.52	8.22	NP	--	253.30	--
MW-2	4/17/1996	261.52	9.20	NP	--	252.32	--
MW-2	7/8/1996	261.52	9.45	NP	--	252.07	--
MW-2	10/10/1996	261.52	9.53	NP	--	251.99	--
MW-2	3/11/1997	261.52	8.31	NP	--	253.21	--
MW-2	5/29/1997	261.52	5.54	NP	--	255.98	--
MW-2	8/5/1997	261.52	9.40	NP	--	252.12	--
MW-2	10/23/1997	261.52	9.06	NP	--	252.46	--
MW-2	3/11/1998	261.52	12.71	NP	--	248.81	--
MW-2	6/30/1998	261.52	10.17	NP	--	251.35	--
MW-2	9/25/1998	261.52	10.14	NP	--	251.38	--
MW-2	3/9/1999	261.52	11.12	NP	--	250.40	--
MW-2	6/2/1999	261.52	9.66	NP	--	251.86	--
MW-2	9/27/1999	261.52	9.85	NP	--	251.67	--
MW-2	12/20/1999	261.52	8.85	NP	--	252.67	--
MW-2	3/16/2000	261.52	9.53	NP	--	251.99	--
MW-2	6/30/2000	261.52	9.74	NP	--	251.78	--
MW-2	9/27/2000	261.52	9.74	NP	--	251.78	--
MW-2	11/10/2000	261.52	8.80	NP	--	252.72	--
MW-2	3/19/2001	261.52	8.69	NP	--	252.83	--
MW-2	6/27/2001	261.52	9.32	NP	--	252.20	--
MW-2	9/26/2001	261.52	10.20	NP	--	251.32	--
MW-2	12/3/2001	261.52	9.00	NP	--	252.52	--
MW-2	6/6/2002	261.52	9.65	NP	--	251.87	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	6/26/2003	261.52	9.68	NP	--	251.84	--
MW-2	12/9/2003	261.52	8.93	NP	--	252.59	--
MW-2	4/7/2004	261.52	8.21	NP	--	253.31	--
MW-2	11/16/2004	261.52	8.36	NP	--	253.16	--
MW-2	3/29/2005	261.52	7.35	NP	--	254.17	--
MW-2	6/22/2005	261.52	8.10	NP	--	253.42	--
MW-2	9/12/2005	261.52	9.01	NP	--	252.51	--
MW-2	12/6/2005	261.52	7.56	NP	--	253.96	--
MW-2	6/5/2006	261.52	7.66	NP	--	253.86	--
MW-2	9/29/2006	261.52	16.28	NP	--	245.24	--
MW-2	12/19/2006	261.52	8.05	NP	--	253.47	--
MW-2	9/24/2007	261.52	10.04	NP	--	251.48	--
MW-2	12/31/2007	261.52	9.01	NP	--	252.51	--
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	--

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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	9/25/2013	261.52	9.69	NP	--	251.83	--
MW-2	11/14/2013	261.52	9.34	NP	--	252.18	--
MW-2	2/12/2014	261.52	8.92	NP	--	252.60	--
MW-2	4/2/2014	261.52	8.51	NP	--	253.01	--
MW-2	7/10/2014	261.52	9.42	NP	--	252.10	--
MW-2	10/21/2014	261.52	9.46	NP	--	252.06	--
MW-2	1/20/2015	261.52	8.75	NP	--	252.77	--
MW-2	12/14/2015	261.52	8.34	NP	--	253.18	--
MW-2	3/10/2016	261.52	7.81	NP	--	253.71	--
MW-2	8/29/2016	261.52	9.45	NP	--	252.07	--
MW-2	11/21/2016	261.52	8.30	NP	--	253.22	--
MW-2	2/15/2017	261.52	7.58	NP	--	253.94	--
MW-2	5/26/2017	261.52	--	--	--	--	WI
MW-2	10/17/2017	261.52	9.19	NP	--	252.33	--
MW-2	2/8/2018	261.52	7.73	NP	--	253.79	--
MW-2	9/11/2018	261.52	9.11	NP	--	252.41	--
MW-2	11/15/2018	261.52	8.93	NP	--	252.59	--
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-2	3/9/2020	261.52	8.55	NP	--	252.97	--
MW-3	10/5/1994	261.47	10.10	NP	--	251.37	--
MW-3	2/15/1995	261.47	8.83	NP	--	252.64	--
MW-3	4/10/1995	261.47	8.90	NP	--	252.57	--
MW-3	7/20/1995	261.47	9.65	NP	--	251.82	--
MW-3	10/25/1995	261.47	9.27	NP	--	252.20	--
MW-3	1/23/1996	261.47	8.12	NP	--	253.35	--
MW-3	4/17/1996	261.47	9.17	NP	--	252.30	--
MW-3	7/8/1996	261.47	9.21	NP	--	252.26	--
MW-3	10/10/1996	261.47	9.60	NP	--	251.87	--
MW-3	3/11/1997	261.47	8.21	NP	--	253.26	--
MW-3	5/29/1997	261.47	8.13	NP	--	253.34	--
MW-3	8/5/1997	261.47	8.13	NP	--	253.34	--
MW-3	10/23/1997	261.47	11.31	NP	--	250.16	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	3/11/1998	261.47	9.57	NP	--	251.90	--
MW-3	6/30/1998	261.47	9.82	NP	--	251.65	--
MW-3	9/25/1998	261.47	10.14	NP	--	251.33	--
MW-3	12/29/1998	261.47	9.15	NP	--	252.32	--
MW-3	3/9/1999	261.47	9.50	NP	--	251.97	--
MW-3	6/2/1999	261.47	9.41	NP	--	252.06	--
MW-3	9/27/1999	261.47	9.43	NP	--	252.04	--
MW-3	12/20/1999	261.47	8.20	NP	--	253.27	--
MW-3	3/16/2000	261.47	9.30	NP	--	252.17	--
MW-3	6/30/2000	261.47	9.66	NP	--	251.81	--
MW-3	9/27/2000	261.47	9.78	NP	--	251.69	--
MW-3	11/10/2000	261.47	8.88	NP	--	252.59	--
MW-3	3/19/2001	261.47	8.90	NP	--	252.57	--
MW-3	6/27/2001	261.47	9.62	NP	--	251.85	--
MW-3	9/26/2001	261.47	10.28	NP	--	251.19	--
MW-3	12/3/2001	261.47	8.10	NP	--	253.37	--
MW-3	6/6/2002	261.47	9.70	NP	--	251.77	--
MW-3	6/26/2003	261.47	9.65	NP	--	251.82	--
MW-3	12/9/2003	261.47	8.87	NP	--	252.60	--
MW-3	4/7/2004	261.47	8.27	NP	--	253.20	--
MW-3	11/16/2004	261.47	8.40	NP	--	253.07	--
MW-3	3/29/2005	261.47	7.64	NP	--	253.83	--
MW-3	6/22/2005	261.47	8.67	NP	--	252.80	--
MW-3	9/12/2005	261.47	9.85	NP	--	251.62	--
MW-3	12/6/2005	261.47	7.83	NP	--	253.64	--
MW-3	6/5/2006	261.47	7.76	NP	--	253.71	--
MW-3	9/24/2007	261.47	10.20	NP	--	251.27	--
MW-3	12/31/2007	261.47	--	--	--	--	WI
MW-3	1/30/2008	261.47	8.73	NP	--	252.74	--
MW-3	4/3/2008	261.47	15.05	NP	--	246.42	--
MW-3	7/2/2008	261.47	14.86	NP	--	246.61	--
MW-3	10/3/2008	261.47	15.07	NP	--	246.40	--
MW-3	1/5/2009	261.47	12.74	NP	--	248.73	--
MW-3	4/7/2009	261.47	15.33	NP	--	246.14	--

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10822 Rosevelt Way NE Seattle, WA 98125

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	7/8/2009	261.47	10.41	NP	--	251.06	--
MW-3	10/6/2009	261.47	10.56	NP	--	250.91	--
MW-3	1/5/2010	261.47	9.48	NP	--	251.99	--
MW-3	5/25/2010	261.47	9.70	NP	--	251.77	--
MW-3	8/19/2010	261.47	10.15	NP	--	251.32	--
MW-3	12/7/2010	261.47	9.51	NP	--	251.96	--
MW-3	1/26/2011	261.47	8.80	NP	--	252.67	--
MW-3	6/16/2011	261.47	9.50	NP	--	251.97	--
MW-3	9/22/2011	261.47	14.25	NP	--	247.22	--
MW-3	3/8/2012	261.47	10.48	NP	--	250.99	--
MW-3	6/19/2012	261.47	9.54	NP	--	251.93	--
MW-3	9/21/2012	261.47	10.22	NP	--	251.25	--
MW-3	12/11/2012	261.47	8.35	NP	--	253.12	--
MW-3	6/25/2013	261.47	9.45	NP	--	252.02	--
MW-3	9/25/2013	261.47	9.78	NP	--	251.69	--
MW-3	11/14/2013	261.47	9.33	NP	--	252.14	--
MW-3	2/12/2014	261.47	8.83	NP	--	252.64	--
MW-3	4/2/2014	261.47	8.39	NP	--	253.08	--
MW-3	7/9/2014	261.47	9.53	NP	--	251.94	--
MW-3	10/20/2014	261.47	9.65	NP	--	251.82	--
MW-3	1/19/2015	261.47	8.64	NP	--	252.83	--
MW-3	3/9/2020	261.47	8.50	NP	--	252.97	--
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	--	--

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

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

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

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

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-4	11/15/2018	261.16	17.40	NP	--	243.76	--
MW-4	1/29/2019	261.16	15.93	NP	--	245.23	--
MW-4	8/27/2019	261.16	17.87	NP	--	243.29	--
MW-4	9/26/2019	261.16	18.74	NP	--	242.42	--
MW-4	3/9/2020	261.16	15.53	NP	--	245.63	--
MW-5	10/5/1994	--	19.20	NP	--	--	--
MW-5	2/15/1995	--	16.20	NP	--	--	--
MW-5	4/10/1995	--	16.59	NP	--	--	--
MW-5	7/20/1995	--	16.96	NP	--	--	--
MW-5	10/26/1995	--	16.55	NP	--	--	--
MW-5	1/23/1996	--	15.30	NP	--	--	--
MW-5	4/17/1996	--	12.72	NP	--	--	--
MW-5	7/8/1996	--	16.25	NP	--	--	--
MW-5	3/11/1997	261.04	14.80	NP	--	246.24	--
MW-5	5/29/1997	261.04	12.38	NP	--	248.66	--
MW-5	8/5/1997	261.04	15.54	NP	--	245.50	--
MW-5	10/23/1997	261.04	15.29	NP	--	245.75	--
MW-5	3/11/1998	261.04	14.03	NP	--	247.01	--
MW-5	6/30/1998	261.04	13.17	NP	--	247.87	--
MW-5	9/25/1998	261.04	16.79	NP	--	244.25	--
MW-5	12/29/1998	261.04	13.12	NP	--	247.92	--
MW-5	3/9/1999	261.04	10.04	NP	--	251.00	--
MW-5	6/2/1999	261.04	16.11	NP	--	244.93	--
MW-5	9/27/1999	261.04	15.50	NP	--	245.54	--
MW-5	12/20/1999	261.04	15.00	NP	--	246.04	--
MW-5	3/16/2000	261.04	11.39	NP	--	249.65	--
MW-5	6/30/2000	261.04	16.93	NP	--	244.11	--
MW-5	9/27/2000	261.04	17.67	NP	--	243.37	--
MW-5	11/10/2000	261.04	17.10	NP	--	243.94	--
MW-5	3/19/2001	261.04	16.57	NP	--	244.47	--
MW-5	6/27/2001	261.04	16.52	NP	--	244.52	--
MW-5	9/26/2001	261.04	14.22	NP	--	246.82	--
MW-5	12/3/2001	261.04	15.32	NP	--	245.72	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-5	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	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-5	9/25/2013	261.04	17.37	NP	--	243.67	--
MW-5	11/14/2013	261.04	16.69	NP	--	244.35	--
MW-5	2/12/2014	261.04	15.95	NP	--	245.09	--
MW-5	4/1/2014	261.04	14.15	NP	--	246.89	--
MW-5	7/10/2014	261.04	16.72	NP	--	244.32	--
MW-5	10/21/2014	261.04	17.05	NP	--	243.99	--
MW-5	1/20/2015	261.04	14.53	NP	--	246.51	--
MW-5	12/14/2015	261.04	15.09	NP	--	245.95	--
MW-5	3/10/2016	261.04	13.82	NP	--	247.22	--
MW-5	8/29/2016	261.04	17.70	NP	--	243.34	--
MW-5	11/21/2016	261.04	14.77	NP	--	246.27	--
MW-5	2/15/2017	261.04	13.42	NP	--	247.62	--
MW-5	5/26/2017	261.04	14.82	NP	--	246.22	--
MW-5	10/17/2017	261.04	17.61	NP	--	243.43	--
MW-5	2/8/2018	261.04	13.66	NP	--	247.38	--
MW-5	9/11/2018	261.04	--	--	--	--	--
MW-5	3/9/2020	261.04	14.92	NP	--	246.12	--
MW-6	10/5/1994	261.72	10.35	NP	--	251.37	--
MW-6	2/15/1995	261.72	9.24	NP	--	252.48	--
MW-6	4/10/1995	261.72	9.29	NP	--	252.43	--
MW-6	7/20/1995	261.72	10.08	NP	--	251.64	--
MW-6	10/25/1995	261.72	9.77	NP	--	251.95	--
MW-6	1/23/1996	261.72	8.56	NP	--	253.16	--
MW-6	4/17/1996	261.72	9.50	NP	--	252.22	--
MW-6	7/8/1996	261.72	9.65	NP	--	252.07	--
MW-6	10/10/1996	261.72	9.95	NP	--	251.77	--
MW-6	3/11/1997	261.72	8.69	NP	--	253.03	--
MW-6	5/29/1997	261.72	8.73	NP	--	252.99	--
MW-6	8/5/1997	261.72	8.90	NP	--	252.82	--
MW-6	10/23/1997	261.72	8.08	NP	--	253.64	--
MW-6	3/11/1998	261.72	11.51	NP	--	250.21	--
MW-6	6/30/1998	261.72	10.44	NP	--	251.28	--
MW-6	9/25/1998	261.72	10.56	NP	--	251.16	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-6	12/29/1998	261.72	9.68	NP	--	252.04	--
MW-6	3/9/1999	261.72	11.23	NP	--	250.49	--
MW-6	6/2/1999	261.72	9.89	NP	--	251.83	--
MW-6	9/27/1999	261.72	8.22	NP	--	253.50	--
MW-6	12/20/1999	261.72	9.30	NP	--	252.42	--
MW-6	3/16/2000	261.72	9.64	NP	--	252.08	--
MW-6	6/30/2000	261.72	10.10	NP	--	251.62	--
MW-6	9/27/2000	261.72	10.51	NP	--	251.21	--
MW-6	11/10/2000	261.72	9.25	NP	--	252.47	--
MW-6	3/19/2001	261.72	9.15	NP	--	252.57	--
MW-6	6/27/2001	261.72	9.96	NP	--	251.76	--
MW-6	9/26/2001	261.72	10.53	NP	--	251.19	--
MW-6	12/3/2001	261.72	9.05	NP	--	252.67	--
MW-6	6/26/2003	261.72	10.02	NP	--	251.70	--
MW-6	12/9/2003	261.72	9.25	NP	--	252.47	--
MW-6	4/7/2004	261.72	8.65	NP	--	253.07	--
MW-6	11/16/2004	261.72	8.82	NP	--	252.90	--
MW-6	3/29/2005	261.72	8.10	NP	--	253.62	--
MW-6	6/22/2005	261.72	8.77	NP	--	252.95	--
MW-6	9/12/2005	261.72	9.65	NP	--	252.07	--
MW-6	12/6/2005	261.72	8.24	NP	--	253.48	--
MW-6	6/5/2006	261.72	8.08	NP	--	253.64	--
MW-6	9/29/2006	261.72	15.73	NP	--	245.99	--
MW-6	12/19/2006	261.72	8.21	NP	--	253.51	--
MW-6	9/24/2007	261.72	10.55	NP	--	251.17	--
MW-6	12/31/2007	261.72	--	--	--	--	WI
MW-6	1/30/2008	261.72	9.09	NP	--	252.63	--
MW-6	4/3/2008	261.72	15.89	NP	--	245.83	--
MW-6	7/2/2008	261.72	15.43	NP	--	246.29	--
MW-6	10/3/2008	261.72	15.48	NP	--	246.24	--
MW-6	1/5/2009	261.72	13.06	NP	--	248.66	--
MW-6	4/8/2009	261.72	17.48	NP	--	244.24	--
MW-6	7/8/2009	261.72	11.00	NP	--	250.72	--
MW-6	10/6/2009	261.72	11.17	NP	--	250.55	--

TABLE 1
Groundwater Gauging Data
ARCO Facility 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	1/5/2010	261.72	10.06	NP	--	251.66	--
MW-6	5/25/2010	261.72	10.26	NP	--	251.46	--
MW-6	8/19/2010	261.72	10.66	NP	--	251.06	--
MW-6	12/7/2010	261.72	10.04	NP	--	251.68	--
MW-6	1/26/2011	261.72	9.48	NP	--	252.24	--
MW-6	6/16/2011	261.72	9.98	NP	--	251.74	--
MW-6	9/22/2011	261.72	14.79	NP	--	246.93	--
MW-6	12/6/2011	261.72	17.88	NP	--	243.84	--
MW-6	3/8/2012	261.72	11.03	NP	--	250.69	--
MW-6	6/19/2012	261.72	15.09	NP	--	246.63	--
MW-6	9/21/2012	261.72	10.71	NP	--	251.01	--
MW-6	12/11/2012	261.72	9.46	NP	--	252.26	--
MW-6	6/25/2013	261.72	10.03	NP	--	251.69	--
MW-6	9/25/2013	261.72	10.32	NP	--	251.40	--
MW-6	11/14/2013	261.72	9.86	NP	--	251.86	--
MW-6	2/12/2014	261.72	9.44	NP	--	252.28	--
MW-6	4/1/2014	261.72	8.87	NP	--	252.85	--
MW-6	7/9/2014	261.72	9.97	NP	--	251.75	--
MW-6	10/20/2014	261.72	10.09	NP	--	251.63	--
MW-6	1/19/2015	261.72	9.05	NP	--	252.67	--
MW-6	12/14/2015	261.72	8.81	NP	--	252.91	--
MW-6	3/10/2016	261.72	8.46	NP	--	253.26	--
MW-6	3/9/2020	261.72	8.97	NP	--	252.75	--
MW-7	10/5/1994	261.21	17.62	NP	--	243.59	--
MW-7	2/15/1995	261.21	15.00	NP	--	246.21	--
MW-7	4/10/1995	261.21	15.10	NP	--	246.11	--
MW-7	7/20/1995	261.21	16.70	NP	--	244.51	--
MW-7	10/26/1995	261.21	16.38	NP	--	244.83	--
MW-7	1/23/1996	261.21	14.26	NP	--	246.95	--
MW-7	4/17/1996	261.21	15.39	NP	--	245.82	--
MW-7	7/8/1996	261.21	15.65	NP	--	245.56	--
MW-7	10/10/1996	261.21	16.35	NP	--	244.86	--
MW-7	3/11/1997	261.21	14.21	NP	--	247.00	--

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-7	5/29/1997	261.21	11.56	NP	--	249.65	--
MW-7	8/5/1997	261.21	14.92	NP	--	246.29	--
MW-7	10/23/1997	261.21	13.96	NP	--	247.25	--
MW-7	3/11/1998	261.21	14.30	NP	--	246.91	--
MW-7	6/30/1998	261.21	15.88	NP	--	245.33	--
MW-7	12/29/1998	261.21	13.98	NP	--	247.23	--
MW-7	3/9/1999	261.21	13.59	NP	--	247.62	--
MW-7	6/2/1999	261.21	14.84	NP	--	246.37	--
MW-7	9/27/1999	261.21	15.10	NP	--	246.11	--
MW-7	12/20/1999	261.21	14.00	NP	--	247.21	--
MW-7	3/16/2000	261.21	14.55	NP	--	246.66	--
MW-7	6/30/2000	261.21	16.08	NP	--	245.13	--
MW-7	9/27/2000	261.21	16.53	NP	--	244.68	--
MW-7	11/10/2000	261.21	15.85	NP	--	245.36	--
MW-7	3/19/2001	261.21	15.48	NP	--	245.73	--
MW-7	6/27/2001	261.21	16.11	NP	--	245.10	--
MW-7	9/26/2001	261.21	16.67	NP	--	244.54	--
MW-7	12/3/2001	261.21	14.29	NP	--	246.92	--
MW-7	12/9/2003	261.21	14.50	NP	--	246.71	--
MW-7	4/7/2004	261.21	14.97	NP	--	246.24	--
MW-7	11/16/2004	261.21	15.24	NP	--	245.97	--
MW-7	3/29/2005	261.21	14.41	NP	--	246.80	--
MW-7	6/22/2005	261.21	15.39	NP	--	245.82	--
MW-7	9/12/2005	261.21	16.18	NP	--	245.03	--
MW-7	12/6/2005	261.21	14.47	NP	--	246.74	--
MW-7	6/5/2006	261.21	14.43	NP	--	246.78	--
MW-7	9/29/2006	261.21	21.71	NP	--	239.50	--
MW-7	12/19/2006	261.21	13.63	NP	--	247.58	--
MW-7	9/24/2007	261.21	--	--	--	--	Dry
MW-7	12/31/2007	261.21	14.54	NP	--	246.67	--
MW-7	1/30/2008	261.21	14.66	NP	--	246.55	--
MW-7	4/3/2008	261.21	19.26	NP	--	241.95	--
MW-7	7/2/2008	261.21	18.34	NP	--	242.87	--
MW-7	10/3/2008	261.21	20.13	NP	--	241.08	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-7	1/5/2009	261.21	18.50	NP	--	242.71	--
MW-7	4/8/2009	261.21	20.85	NP	--	240.36	--
MW-7	7/8/2009	261.21	16.45	NP	--	244.76	--
MW-7	10/6/2009	261.21	16.98	NP	--	244.23	--
MW-7	1/5/2010	261.21	14.77	NP	--	246.44	--
MW-7	5/25/2010	261.21	15.45	NP	--	245.76	--
MW-7	8/19/2010	261.21	16.30	NP	--	244.91	--
MW-7	12/7/2010	261.21	14.88	NP	--	246.33	--
MW-7	1/26/2011	261.21	13.84	NP	--	247.37	--
MW-7	6/16/2011	261.21	15.05	NP	--	246.16	--
MW-7	9/22/2011	261.21	18.12	NP	--	243.09	--
MW-7	12/6/2011	261.21	19.71	NP	--	241.50	--
MW-7	3/8/2012	261.21	15.50	NP	--	245.71	--
MW-7	6/19/2012	261.21	15.09	NP	--	246.12	--
MW-7	9/21/2012	261.21	16.37	NP	--	244.84	--
MW-7	12/11/2012	261.21	13.45	NP	--	247.76	--
MW-7	6/25/2013	261.21	15.19	NP	--	246.02	--
MW-7	9/25/2013	261.21	15.85	NP	--	245.36	--
MW-7	11/14/2013	261.21	15.32	NP	--	245.89	--
MW-7	2/12/2014	261.21	15.77	NP	--	245.44	--
MW-7	4/1/2014	261.21	13.15	NP	--	248.06	--
MW-7	7/9/2014	261.21	15.56	NP	--	245.65	--
MW-7	10/20/2014	261.21	15.63	NP	--	245.58	--
MW-7	1/19/2015	261.21	14.06	NP	--	247.15	--
MW-7	3/9/2020	261.21	13.66	NP	--	247.55	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility 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-8	10/10/1996	259.58	16.70	NP	--	242.88	--
MW-8	3/11/1997	259.58	14.19	NP	--	245.39	--
MW-8	5/29/1997	259.58	14.41	NP	--	245.17	--
MW-8	8/5/1997	259.58	14.10	NP	--	245.48	--
MW-8	10/23/1997	259.58	14.17	NP	--	245.41	--
MW-8	3/11/1998	259.58	14.00	NP	--	245.58	--
MW-8	6/30/1998	259.58	17.58	NP	--	242.00	--
MW-8	9/25/1998	259.58	17.08	NP	--	242.50	--
MW-8	12/29/1998	259.58	14.49	NP	--	245.09	--
MW-8	3/9/1999	259.58	13.48	NP	--	246.10	--
MW-8	6/2/1999	259.58	15.36	NP	--	244.22	--
MW-8	9/27/1999	259.58	16.79	NP	--	242.79	--
MW-8	12/20/1999	259.58	14.38	NP	--	245.20	--
MW-8	3/16/2000	259.58	14.80	NP	--	244.78	--
MW-8	6/30/2000	259.58	16.35	NP	--	243.23	--
MW-8	9/27/2000	259.58	17.24	NP	--	242.34	--
MW-8	11/10/2000	259.58	16.80	NP	--	242.78	--
MW-8	3/19/2001	259.58	16.05	NP	--	243.53	--
MW-8	6/27/2001	259.58	16.62	NP	--	242.96	--
MW-8	9/26/2001	259.58	17.64	NP	--	241.94	--
MW-8	12/3/2001	259.58	15.17	NP	--	244.41	--
MW-8	6/6/2002	259.58	16.00	NP	--	243.58	--
MW-8	6/26/2003	259.58	16.52	NP	--	243.06	--
MW-8	12/9/2003	259.58	15.45	NP	--	244.13	--
MW-8	4/7/2004	259.58	15.51	NP	--	244.07	--
MW-8	11/16/2004	259.58	16.45	NP	--	243.13	--
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	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-8	4/2/2008	259.58	18.07	NP	--	241.51	--
MW-8	7/1/2008	259.58	18.34	NP	--	241.24	--
MW-8	10/3/2008	259.58	19.32	NP	--	240.26	--
MW-8	1/6/2009	259.58	18.14	NP	--	241.44	--
MW-8	4/8/2009	259.58	17.70	NP	--	241.88	--
MW-8	7/8/2009	259.58	16.95	NP	--	242.63	--
MW-8	10/6/2009	259.58	17.80	NP	--	241.78	--
MW-8	1/5/2010	259.58	15.11	NP	--	244.47	--
MW-8	5/25/2010	259.58	15.52	NP	--	244.06	--
MW-8	8/19/2010	259.58	16.80	NP	--	242.78	--
MW-8	12/7/2010	259.58	15.54	NP	--	244.04	--
MW-8	1/26/2011	259.58	13.80	NP	--	245.78	--
MW-8	6/16/2011	259.58	15.15	NP	--	244.43	--
MW-8	9/22/2011	259.58	18.25	NP	--	241.33	--
MW-8	12/6/2011	259.58	18.16	NP	--	241.42	--
MW-8	3/8/2012	259.58	15.89	NP	--	243.69	--
MW-8	6/19/2012	259.58	12.67	NP	--	246.91	--
MW-8	9/21/2012	259.58	17.20	NP	--	242.38	--
MW-8	12/11/2012	259.58	14.28	NP	--	245.30	--
MW-8	6/26/2013	259.58	15.85	NP	--	243.73	--
MW-8	9/25/2013	259.58	16.98	NP	--	242.60	--
MW-8	11/15/2013	259.58	16.45	NP	--	243.13	--
MW-8	2/13/2014	259.58	15.84	NP	--	243.74	--
MW-8	4/2/2014	259.58	13.65	NP	--	245.93	--
MW-8	7/10/2014	259.58	16.03	NP	--	243.55	--
MW-8	10/21/2014	259.58	16.79	NP	--	242.79	--
MW-8	1/19/2015	259.58	14.35	NP	--	245.23	--
MW-8	6/1/2016	259.58	15.25	NP	--	244.33	--
MW-8	8/29/2016	259.58	17.04	NP	--	242.54	--
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	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-8	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-8	3/9/2020	259.58	14.18	NP	--	245.40	--
MW-9	10/5/1994	--	19.51	NP	--	--	--
MW-9	2/15/1995	--	16.71	NP	--	--	--
MW-9	4/10/1995	--	16.83	NP	--	--	--
MW-9	7/20/1995	--	18.66	NP	--	--	--
MW-9	10/25/1995	--	18.29	NP	--	--	--
MW-9	1/23/1996	258.96	15.47	NP	--	243.49	--
MW-9	4/17/1996	258.96	17.18	NP	--	241.78	--
MW-9	7/8/1996	258.96	17.73	NP	--	241.23	--
MW-9	10/10/1996	258.96	18.47	NP	--	240.49	--
MW-9	3/11/1997	258.96	15.91	NP	--	243.05	--
MW-9	5/29/1997	258.96	14.77	NP	--	244.19	--
MW-9	8/5/1997	258.96	16.21	NP	--	242.75	--
MW-9	10/23/1997	258.96	15.81	NP	--	243.15	--
MW-9	3/11/1998	258.96	15.88	NP	--	243.08	--
MW-9	6/30/1998	258.96	17.97	NP	--	240.99	--
MW-9	9/25/1998	258.96	18.57	NP	--	240.39	--
MW-9	12/29/1998	258.96	15.84	NP	--	243.12	--
MW-9	3/9/1999	258.96	15.00	NP	--	243.96	--
MW-9	6/2/1999	258.96	17.17	NP	--	241.79	--
MW-9	9/27/1999	258.96	18.39	NP	--	240.57	--
MW-9	12/20/1999	258.96	15.85	NP	--	243.11	--
MW-9	3/16/2000	258.96	16.35	NP	--	242.61	--
MW-9	6/30/2000	258.96	18.05	NP	--	240.91	--
MW-9	9/27/2000	258.96	18.87	NP	--	240.09	--
MW-9	11/10/2000	258.96	18.04	NP	--	240.92	--
MW-9	3/19/2001	258.96	17.50	NP	--	241.46	--
MW-9	6/27/2001	258.96	18.08	NP	--	240.88	--
MW-9	9/26/2001	258.96	18.80	NP	--	240.16	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-9	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	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility 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-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-9	3/9/2020	258.96	15.66	NP	--	243.30	--
MW-10	10/5/1994	256.56	17.52	NP	--	239.04	--
MW-10	2/15/1995	256.56	14.70	NP	--	241.86	--
MW-10	4/10/1995	256.56	14.91	NP	--	241.65	--
MW-10	7/20/1995	256.56	16.67	NP	--	239.89	--
MW-10	10/25/1995	256.56	16.22	NP	--	240.34	--
MW-10	1/23/1996	256.56	13.40	NP	--	243.16	--
MW-10	4/17/1996	256.56	15.27	NP	--	241.29	--
MW-10	7/8/1996	256.56	15.85	NP	--	240.71	--
MW-10	10/10/1996	256.56	16.50	NP	--	240.06	--
MW-10	3/11/1997	256.56	13.91	NP	--	242.65	--
MW-10	5/29/1997	256.56	12.36	NP	--	244.20	--
MW-10	8/5/1997	256.56	16.49	NP	--	240.07	--

TABLE 1
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-10	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	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-10	4/8/2009	256.56	16.88	NP	--	239.68	--
MW-10	7/8/2009	256.56	16.76	NP	--	239.80	--
MW-10	10/6/2009	256.56	17.32	NP	--	239.24	--
MW-10	1/5/2010	256.56	14.69	NP	--	241.87	--
MW-10	5/25/2010	256.56	15.57	NP	--	240.99	--
MW-10	8/19/2010	256.56	16.68	NP	--	239.88	--
MW-10	12/7/2010	256.56	15.15	NP	--	241.41	--
MW-10	1/26/2011	256.56	13.78	NP	--	242.78	--
MW-10	6/16/2011	256.56	15.41	NP	--	241.15	--
MW-10	9/22/2011	256.56	17.88	NP	--	238.68	--
MW-10	12/6/2011	256.56	17.11	NP	--	239.45	--
MW-10	3/8/2012	256.56	15.34	NP	--	241.22	--
MW-10	6/19/2012	256.56	15.63	NP	--	240.93	--
MW-10	9/21/2012	256.56	16.89	NP	--	239.67	--
MW-10	12/11/2012	256.56	13.59	NP	--	242.97	--
MW-10	6/26/2013	256.56	15.77	NP	--	240.79	--
MW-10	9/25/2013	256.56	16.42	NP	--	240.14	--
MW-10	11/14/2013	256.56	15.96	NP	--	240.60	--
MW-10	2/13/2014	256.56	15.24	NP	--	241.32	--
MW-10	4/2/2014	256.56	13.63	NP	--	242.93	--
MW-10	7/11/2014	256.56	16.15	NP	--	240.41	--
MW-10	10/21/2014	256.56	16.20	NP	--	240.36	--
MW-10	1/20/2015	256.56	14.33	NP	--	242.23	--
MW-10	3/11/2016	256.56	13.05	NP	--	243.51	--
MW-10	8/29/2016	256.56	16.92	NP	--	239.64	--
MW-10	11/21/2016	256.56	14.11	NP	--	242.45	--
MW-10	2/15/2017	256.56	12.77	NP	--	243.79	--
MW-10	5/26/2017	256.56	14.33	NP	--	242.23	--
MW-10	10/17/2017	256.56	16.68	NP	--	239.88	--
MW-10	2/8/2018	256.56	12.94	NP	--	243.62	--
MW-10	9/11/2018	256.56	16.81	NP	--	239.75	--
MW-10	11/15/2018	256.56	16.14	NP	--	240.42	--
MW-10	1/29/2019	256.56	14.65	NP	--	241.91	--
MW-10	9/26/2019	256.56	16.44	NP	--	240.12	--

TABLE 1
Groundwater Gauging Data
ARCO Facility 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-10	3/9/2020	256.56	14.43	NP	--	242.13	--
MW-11	4/10/1995	--	16.95	16.25	0.70	--	--
MW-11	7/20/1995	--	19.04	19.02	0.02	--	--
MW-11	10/25/1995	--	17.98	17.96	0.02	--	--
MW-11	1/23/1996	--	13.35	NP	--	--	--
MW-11	4/17/1996	--	20.50	NP	--	--	--
MW-11	7/8/1996	261.85	20.55	15.50	5.05	245.09	--
MW-11	10/10/1996	261.85	16.25	15.00	1.25	246.54	--
MW-11	3/11/1997	261.85	16.39	15.47	0.92	246.15	--
MW-11	5/29/1997	261.85	12.99	12.82	0.17	248.99	--
MW-11	8/5/1997	261.85	14.81	14.11	0.70	247.56	--
MW-11	10/23/1997	261.85	20.04	19.93	0.11	241.89	--
MW-11	3/11/1998	261.85	15.00	NP	--	246.85	--
MW-11	6/30/1998	261.85	13.26	NP	--	248.59	--
MW-11	9/25/1998	261.85	16.49	16.47	0.02	245.37	--
MW-11	12/29/1998	261.85	14.43	NP	--	247.42	--
MW-11	3/9/1999	261.85	10.35	NP	--	251.50	--
MW-11	6/2/1999	261.85	16.34	16.32	0.02	245.52	--
MW-11	9/27/1999	261.85	15.80	NP	--	246.05	--
MW-11	12/20/1999	261.85	15.21	NP	--	246.64	--
MW-11	3/16/2000	261.85	11.90	NP	--	249.95	--
MW-11	6/30/2000	261.85	17.35	NP	--	244.50	--
MW-11	9/27/2000	261.85	18.20	18.14	0.06	243.69	--
MW-11	11/10/2000	261.85	17.28	17.26	0.02	244.58	--
MW-11	3/19/2001	261.85	17.16	17.15	0.01	244.70	--
MW-11	6/27/2001	261.85	16.80	NP	--	245.05	--
MW-11	9/26/2001	261.85	15.30	NP	--	246.55	WI
MW-11	12/3/2001	261.85	15.90	NP	--	245.95	--
MW-11	6/6/2002	261.85	16.84	NP	--	245.01	WI
MW-11	6/26/2003	261.85	17.49	17.45	0.04	244.39	WI
MW-11	12/9/2003	261.85	16.19	NP	--	245.66	--
MW-11	4/7/2004	261.85	16.48	16.46	0.02	245.38	--
MW-11	11/16/2004	261.85	17.00	NP	--	244.85	--

TABLE 1
Groundwater Gauging Data
ARCO Facility 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-11	3/29/2005	261.85	16.15	NP	--	245.70	--
MW-11	6/22/2005	261.85	17.15	NP	--	244.70	--
MW-11	9/12/2005	261.85	17.99	NP	--	243.86	--
MW-11	12/6/2005	261.85	16.68	NP	--	245.17	--
MW-11	6/5/2006	261.85	16.55	NP	--	245.30	--
MW-11	9/29/2006	261.85	20.90	NP	--	240.95	--
MW-11	12/19/2006	261.85	15.25	NP	--	246.60	--
MW-11	9/24/2007	261.85	14.42	NP	--	247.43	--
MW-11	12/31/2007	261.85	--	--	--	--	WI
MW-11	4/3/2008	261.85	--	--	--	--	WI
MW-11	7/1/2008	261.85	--	--	--	--	WI
MW-11	10/3/2008	261.85	21.82	NP	--	240.03	--
MW-11	1/6/2009	261.85	--	--	--	--	Dry
MW-11	4/8/2009	261.85	19.20	NP	--	242.65	--
MW-11	7/8/2009	261.85	18.09	NP	--	243.76	--
MW-11	10/6/2009	261.85	18.77	NP	--	243.08	--
MW-11	1/5/2010	261.85	16.14	NP	--	245.71	--
MW-11	5/25/2010	261.85	16.56	NP	--	245.29	--
MW-11	8/19/2010	261.85	17.84	NP	--	244.01	--
MW-11	12/7/2010	261.85	16.95	NP	--	244.90	--
MW-11	1/26/2011	261.85	14.91	NP	--	246.94	--
MW-11	6/16/2011	261.85	16.29	NP	--	245.56	--
MW-11	9/22/2011	261.85	20.40	NP	--	241.45	--
MW-11	12/6/2011	261.85	18.11	NP	--	243.74	--
MW-11	3/8/2012	261.85	17.40	NP	--	244.45	--
MW-11	6/19/2012	261.85	16.80	NP	--	245.05	--
MW-11	9/21/2012	261.85	18.15	NP	--	243.70	--
MW-11	12/11/2012	261.85	14.80	NP	--	247.05	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility 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-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	--
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	8/27/2019	261.85	17.94	NP	--	243.91	--
MW-11	9/26/2019	261.85	17.77	NP	--	244.08	--
MW-11	3/9/2020	261.85	15.73	NP	--	246.12	--
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	--

TABLE 1
Groundwater Gauging Data
ARCO Facility 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	9/27/2000	257.84	14.00	13.84	0.16	243.96	--
MW-12	11/10/2000	257.84	13.28	13.03	0.25	244.75	--
MW-12	3/19/2001	257.84	13.20	13.00	0.20	244.79	--
MW-12	6/27/2001	257.84	13.95	13.92	0.03	243.91	--
MW-12	9/26/2001	257.84	14.10	14.08	0.02	243.75	--
MW-12	12/3/2001	257.84	12.16	12.13	0.03	245.70	--
MW-12	6/6/2002	257.84	13.30	13.25	0.05	244.58	--
MW-12	6/26/2003	257.84	13.52	13.25	0.27	244.52	--
MW-12	12/9/2003	257.84	12.18	12.16	0.02	245.68	--
MW-12	4/7/2004	257.84	12.71	NP	--	245.13	--
MW-12	11/16/2004	257.84	13.00	12.80	0.20	244.99	--
MW-12	3/29/2005	257.84	12.08	NP	--	245.76	--
MW-12	6/22/2005	257.84	13.04	NP	--	244.80	--
MW-12	9/12/2005	257.84	13.84	NP	--	244.00	--
MW-12	12/6/2005	257.84	12.26	NP	--	245.58	--
MW-12	6/5/2006	257.84	12.11	NP	--	245.73	--
MW-12	9/29/2006	257.84	17.50	NP	--	240.34	--
MW-12	12/19/2006	257.84	10.87	NP	--	246.97	--
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	--

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	9/22/2011	257.84	16.41	NP	--	241.43	--
MW-12	12/6/2011	257.84	17.17	NP	--	240.67	--
MW-12	3/8/2012	257.84	14.07	NP	--	243.77	--
MW-12	6/19/2012	257.84	12.23	NP	--	245.61	--
MW-12	9/21/2012	257.84	13.63	NP	--	244.21	--
MW-12	12/11/2012	257.84	10.10	NP	--	247.74	--
MW-12	6/27/2013	257.84	12.58	NP	--	245.26	--
MW-12	9/26/2013	257.84	13.45	NP	--	244.39	--
MW-12	11/15/2013	257.84	12.50	NP	--	245.34	--
MW-12	2/13/2014	257.84	12.19	NP	--	245.65	--
MW-12	4/2/2014	257.84	10.28	NP	--	247.56	--
MW-12	7/11/2014	257.84	12.69	NP	--	245.15	--
MW-12	10/22/2014	257.84	13.08	NP	--	244.76	--
MW-12	1/21/2015	257.84	11.59	NP	--	246.25	--
MW-12	12/16/2015	257.84	10.76	NP	--	247.08	--
MW-12	3/11/2016	257.84	10.08	NP	--	247.76	--
MW-12	6/1/2016	257.84	12.51	NP	--	245.33	--
MW-12	8/29/2016	257.84	13.71	NP	--	244.13	--
MW-12	11/21/2016	257.84	11.20	NP	--	246.64	--
MW-12	2/15/2017	257.84	9.90	NP	--	247.94	--
MW-12	4/7/2017	257.84	9.05	NP	--	248.79	--
MW-12	5/26/2017	257.84	11.05	NP	--	246.79	--
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-12	3/9/2020	257.84	11.44	NP	--	246.40	--
MW-13	9/26/2019	258.01	13.34	NP	--	244.67	--
MW-13	3/9/2020	258.01	11.37	NP	--	246.64	--
MW-14	9/26/2019	258.27	6.08	NP	--	252.19	--

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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-14	3/9/2020	258.27	5.40	NP	--	252.87	--
MW-15	9/26/2019	258.25	13.92	NP	--	244.33	--
MW-15	3/9/2020	258.25	12.10	NP	--	246.15	--
MW-16	9/26/2019	259.53	16.41	NP	--	243.12	--
MW-16	3/9/2020	259.53	12.13	NP	--	247.40	--
B1 (JPHC)	2/15/1995	--	14.72	11.45	3.27	--	--
B1 (JPHC)	7/20/1995	--	14.63	14.37	0.26	--	--
B1 (JPHC)	10/25/1995	--	14.20	NP	--	--	--
B1 (JPHC)	1/23/1996	--	12.20	NP	--	--	--
B1 (JPHC)	4/17/1996	--	14.13	13.43	0.70	--	--
B1 (JPHC)	7/8/1996	257.71	13.10	NP	--	244.61	--
B1 (JPHC)	10/10/1996	257.71	14.40	NP	--	243.31	--
B1 (JPHC)	3/11/1997	257.71	8.67	NP	--	249.04	--
B1 (JPHC)	5/29/1997	257.71	9.06	NP	--	248.65	--
B1 (JPHC)	8/5/1997	257.71	9.28	NP	--	248.43	--
B1 (JPHC)	10/23/1997	257.71	9.40	NP	--	248.31	--
B1 (JPHC)	3/11/1998	257.71	15.02	NP	--	242.69	--
B1 (JPHC)	6/30/1998	257.71	13.41	NP	--	244.30	--
B1 (JPHC)	9/25/1998	257.71	13.67	13.59	0.08	244.10	--
B1 (JPHC)	12/29/1998	257.71	12.24	NP	--	245.47	--
B1 (JPHC)	3/9/1999	257.71	11.50	NP	--	246.21	--
B1 (JPHC)	6/2/1999	257.71	12.57	NP	--	245.14	--
B1 (JPHC)	12/20/1999	257.71	--	--	--	--	Dry
B1 (JPHC)	3/16/2000	257.71	12.00	NP	--	245.71	--
B1 (JPHC)	6/30/2000	257.71	13.56	NP	--	244.15	--
B1 (JPHC)	9/27/2000	257.71	14.02	NP	--	243.69	--
B1 (JPHC)	11/10/2000	257.71	13.59	NP	--	244.12	--
B1 (JPHC)	3/19/2001	257.71	13.47	NP	--	244.24	--
B1 (JPHC)	6/27/2001	257.71	14.90	14.89	0.01	242.82	WI
B1 (JPHC)	9/26/2001	257.71	14.25	14.24	0.01	243.47	--
B1 (JPHC)	12/3/2001	257.71	12.00	NP	--	245.71	IW

TABLE 1
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B1 (JPHC)	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	--
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	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B1 (JPHC)	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	--
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)	8/27/2019	257.71	14.05	NP	--	243.66	--
B1 (JPHC)	9/26/2019	257.71	13.78	NP	--	243.93	--
B1 (JPHC)	3/9/2020	257.71	11.95	NP	--	245.76	--
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	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B3 (JPHC)	8/5/1997	258.41	19.57	NP	--	238.84	--
B3 (JPHC)	10/23/1997	258.41	--	--	--	--	Dry
B3 (JPHC)	3/11/1998	258.41	14.75	NP	--	243.66	--
B3 (JPHC)	6/30/1998	258.41	15.08	NP	--	243.33	--
B3 (JPHC)	9/25/1998	258.41	14.95	NP	--	243.46	--
B3 (JPHC)	12/29/1998	258.41	14.21	NP	--	244.20	--
B3 (JPHC)	3/9/1999	258.41	14.41	NP	--	244.00	--
B3 (JPHC)	6/2/1999	258.41	13.68	NP	--	244.73	--
B3 (JPHC)	12/20/1999	258.41	12.50	NP	--	245.91	--
B3 (JPHC)	3/16/2000	258.41	13.55	NP	--	244.86	--
B3 (JPHC)	6/30/2000	258.41	14.52	NP	--	243.89	--
B3 (JPHC)	9/27/2000	258.41	15.35	NP	--	243.06	--
B3 (JPHC)	11/10/2000	258.41	14.61	NP	--	243.80	--
B3 (JPHC)	3/19/2001	258.41	14.17	NP	--	244.24	--
B3 (JPHC)	6/27/2001	258.41	15.72	NP	--	242.69	--
B3 (JPHC)	9/26/2001	258.41	15.23	NP	--	243.18	WI
B3 (JPHC)	12/3/2001	258.41	13.15	NP	--	245.26	--
B3 (JPHC)	6/6/2002	258.41	14.33	NP	--	244.08	IW
B3 (JPHC)	6/26/2003	258.41	14.63	NP	--	243.78	--
B3 (JPHC)	12/9/2003	258.41	13.25	NP	--	245.16	--
B3 (JPHC)	4/7/2004	258.41	14.00	NP	--	244.41	--
B3 (JPHC)	11/16/2004	258.41	14.63	NP	--	243.78	--
B3 (JPHC)	3/29/2005	258.41	13.81	NP	--	244.60	--
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	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B3 (JPHC)	1/6/2009	258.41	18.92	NP	--	239.49	--
B3 (JPHC)	4/8/2009	258.41	19.00	NP	--	239.41	--
B3 (JPHC)	7/8/2009	258.41	15.25	NP	--	243.16	--
B3 (JPHC)	10/6/2009	258.41	15.81	NP	--	242.60	--
B3 (JPHC)	1/6/2010	258.41	13.43	NP	--	244.98	--
B3 (JPHC)	5/25/2010	258.41	14.12	NP	--	244.29	--
B3 (JPHC)	8/19/2010	258.41	15.12	NP	--	243.29	--
B3 (JPHC)	12/7/2010	258.41	13.95	NP	--	244.46	--
B3 (JPHC)	1/26/2011	258.41	12.64	NP	--	245.77	--
B3 (JPHC)	6/16/2011	258.41	13.84	NP	--	244.57	--
B3 (JPHC)	9/22/2011	258.41	16.75	NP	--	241.66	--
B3 (JPHC)	12/6/2011	258.41	18.04	NP	--	240.37	--
B3 (JPHC)	3/8/2012	258.41	14.34	NP	--	244.07	--
B3 (JPHC)	6/19/2012	258.41	12.14	NP	--	246.27	--
B3 (JPHC)	9/21/2012	258.41	15.33	NP	--	243.08	--
B3 (JPHC)	12/11/2012	258.41	12.70	NP	--	245.71	--
B3 (JPHC)	6/26/2013	258.41	14.32	NP	--	244.09	--
B3 (JPHC)	9/26/2013	258.41	15.06	NP	--	243.35	--
B3 (JPHC)	11/15/2013	258.41	14.39	NP	--	244.02	--
B3 (JPHC)	2/13/2014	258.41	14.00	NP	--	244.41	--
B3 (JPHC)	4/2/2014	258.41	12.31	NP	--	246.10	--
B3 (JPHC)	7/11/2014	258.41	14.54	NP	--	243.87	--
B3 (JPHC)	10/22/2014	258.41	14.77	NP	--	243.64	--
B3 (JPHC)	1/20/2015	258.41	13.25	NP	--	245.16	--
B3 (JPHC)	12/14/2015	258.41	12.68	NP	--	245.73	--
B3 (JPHC)	3/11/2016	258.41	11.97	NP	--	246.44	--
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

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B3 (JPHC)	1/29/2019	258.41	--	--	--	--	WI
B3 (JPHC)	9/26/2019	258.41	14.84	NP	--	243.57	--
B3 (JPHC)	3/9/2020	258.41	13.00	NP	--	245.41	--
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	8/27/2019	--	13.63	13.62	0.01	--	--
IW-1	9/26/2019	--	13.47	NP	--	--	--
IW-1	3/9/2020	--	11.49	NP	--	--	--
IW-2	3/10/2017	--	11.30	NP	--	--	--
IW-2	3/17/2017	--	10.46	NP	--	--	--
IW-2	3/24/2017	--	10.69	NP	--	--	--
IW-2	3/30/2017	--	10.80	NP	--	--	--
IW-2	4/7/2017	--	10.79	NP	--	--	--
IW-2	4/14/2017	--	10.80	NP	--	--	--
IW-2	4/28/2017	--	11.32	NP	--	--	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
IW-2	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-2	3/9/2020	--	11.91	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	8/27/2019	--	13.56	NP	--	--	--
IW-3	9/26/2019	--	13.32	NP	--	--	--
IW-3	3/9/2020	--	11.38	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	--	--	--

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

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
IW-4	10/17/2017	--	13.42	NP	--	--	--
IW-4	2/8/2018	--	9.80	NP	--	--	--
IW-4	9/11/2018	--	13.39	NP	--	--	--
IW-4	11/15/2018	--	12.90	NP	--	--	--
IW-4	1/29/2019	--	11.47	NP	--	--	--
IW-4	8/27/2019	--	13.47	NP	--	--	--
IW-4	9/26/2019	--	13.24	NP	--	--	--
IW-4	3/9/2020	--	11.28	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

Dry - Dry Well

WI = Well Inaccessible

IW = Insufficient Water

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**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	**10,100**	**29,100**	--	--
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	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
MW-2	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-2	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-2	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	--	--	--	--
MW-2	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 240	< 481	--	--
MW-2	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-2	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-2	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-2	6/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 250	< 500	< 10	< 10
MW-2	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-2	11/14/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 260	< 260	< 10.0	< 10.0
MW-2	2/12/2014	< 1.0	< 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-2	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 360	< 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	2.1	< 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	--	--	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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	**5,000**	**5,100**	**2,000**	**15,000**	--	--	--	**3,300,000**	**9,000**	**14,000**	--	--
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	--	--	--	**2,100**	**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**	5.7	3.54	31.1	--	--	--	**983**	**3,340**	< 750	--	--
MW-4	9/27/2000	**147**	3.51	19.4	64.7	--	--	--	**1,430**	**1,800**	< 750	--	--
MW-4	3/19/2001	**338**	< 5.00	14	31.9	**319**	--	--	**1,040**	**739**	< 1450	--	--
MW-4	6/27/2001	**37.8**	0.821	1.69	13	18.6	--	--	630	< 250	< 750	--	--
MW-4	9/26/2001	**1,850**	491	**3,480**	**30,100**	**149**	--	--	**611,000**	**11,300**	**11,500**	--	--
MW-4	12/3/2001	**325**	< 5.00	< 5.00	32.5	**34.7**	--	--	**1,980**	**2,120**	**3,880**	--	--
MW-4	6/6/2002	**199**	< 2.50	6.3	48.6	**33.2**	< 0.01	< 1.00	**2,940**	**1,620**	**2,160**	6.96	2.43
MW-4	6/26/2003	**1,350**	< 5.00	45.1	52.1	< 20.0	--	--	**4,410**	**6,630**	**3,070**	4.04	1.87
MW-4	12/9/2003	**918**	2.52	64	47.6	**38.2**	--	--	**3,200**	**1,240**	**2,450**	< 1.00	< 1.00
MW-4	4/7/2004	**1,230**	< 5.00	10.1	25.2	< 10.0	--	--	**3,470**	**711**	**1,230**	2.45	1.58
MW-4	11/16/2004	**990**	< 5.00	96.9	154	**20.9**	--	--	**76,200**	**24,300**	**8,350**	11.5	< 1.00
MW-4	3/29/2005	**5,920**	79	**1,140**	**6,630**	< 100	< 0.010	< 25.0	**28,900**	**16,700**	**25,800**	**204**	--
MW-4	6/22/2005	**1,070**	< 5.00	22.5	44.7	< 20.0	--	--	**2,730**	**4,600**	**6,130**	10	< 1.00
MW-4	9/12/2005	**980**	10.3	143	55.1	16.2	--	--	**5,450**	**1,070**	**1,590**	2.62	< 1.00
MW-4	12/6/2005	**737**	5	127	58	< 10.0	--	--	**4,320**	**1,030**	**1,720**	2.42	< 1.00
MW-4	6/5/2006	**851**	< 10.0	146	168	< 20.0	--	--	**3,720**	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	--	--	**1,360**	**1,610**	**3,710**	--	--
MW-4	12/31/2007	**111**	2.9	53.6	63.5	< 1.00	--	--	**1,620**	< 236	< 472	--	--
MW-4	1/30/2008	**134**	11.6	13.2	63.2	< 1.00	--	--	**1,640**	< 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	0.9	< 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	< 2.0
MW-4	6/16/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	**1,200**	**2,200**	< 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

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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	0.3	< 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	0.2	--	--	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
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	**1,000**	**1,100**	< 4.0	< 4.0
MW-4	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**620**	**1,000**	< 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-4	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	350	**540**	< 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	**3,300**	< 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	**1,100**	**2,400**	--	--
MW-5	1/23/1996	**770**	< 4.0	< 4.0	8.4	--	--	--	< 200	**3,200**	**10,000**	--	--
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	--	--	--	76.4	**4,241**	< 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	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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**	--	--	< 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
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	--	--	--	**1,400**	--	--	< 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	--	--	--	**2,300**	< 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

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ARCO Facility 980
10822 Rosevelt Way NE Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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	**4,600**	470	81	810	--	--	--	**5,500**	--	--	< 2.0	--
MW-7	2/15/1995	**5,500**	240	80	160	--	--	--	**4,300**	--	**12,000**	< 2.0	--
MW-7	4/10/1995	**3,600**	140	53	470	--	--	--	**2,800**	--	**7,800**	--	--
MW-7	7/20/1995	**3,300**	260	36	350	--	--	--	**2,400**	**1,200**	--	--	--
MW-7	10/26/1995	**590**	12	< 0.5	< 1.0	--	--	--	170	**930**	**2,100**	--	--
MW-7	1/23/1996	2.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**1,100**	**2,100**	--	--
MW-7	4/17/1996	**2,500**	57	45	270	--	--	--	**1,500**	**580**	< 750	--	--
MW-7	7/8/1996	**1,220**	25.6	< 0.5	162	--	--	--	**1,100**	**879**	< 750	--	--
MW-7	10/10/1996	**1,100**	21.3	21.5	72.8	--	--	--	< 1000	**636**	< 750	--	--
MW-7	3/11/1997	**708**	20.8	8.18	22	--	--	--	373	**8,571**	< 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	--	--
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	1.2	< 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**	**8,200**	**942**	**5,250**	< 200	--	--	**33,000**	< 243	< 485	< 1.00	< 1.00
MW-7	6/5/2006	**26.8**	10	373	520	< 20.0	--	--	**4,590**	< 278	< 556	< 1.00	< 1.00
MW-7	9/29/2006	< 0.500	0.85	27.3	86.3	--	--	--	**1,760**	--	--	--	--
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	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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
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-8	3/9/2020	< 3.0F2F1	< 2.0F2F1	< 3.0F2F1	< 3.0F2F1	< 2.0F2F1	--	--	< 250	110	< 360	< 4.0	< 4.0

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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
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-9	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 360	< 4.0	< 4.0

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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	0.24	< 0.500	< 0.500	< 1.00	17	--	--	< 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	**2,000**	< 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-10	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 370	< 4.0	< 4.0
MW-11	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	**15,000**	**24,900**	--	--
MW-11	6/27/2001	**386**	32.4	30.4	777	**29.6**	--	--	**11,500**	**700**	< 750	--	--
MW-11	9/26/2001	**122**	13	18.4	692	< 20.0	--	--	**23,600**	**5,890**	**5,510**	--	--
MW-11	12/3/2001	**177**	9.17	19.7	320	**25.8**	--	--	**6,220**	**2,510**	**4,850**	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
MW-11	6/6/2002	**192**	4.66	30.8	456	< 2.00	< 0.01	< 1.00	**5,710**	**5,170**	**6,790**	**16**	4.95
MW-11	6/26/2003	**301**	5.01	120	568	< 20.0	--	--	**9,170**	**72,800**	**107,000**	8.71	3.09
MW-11	12/9/2003	**99.2**	3	48.9	314	14.8	--	--	**4,650**	**1,610**	**2,910**	2.94	1.14
MW-11	11/16/2004	**155**	2.95	66.4	610	< 10.0	--	--	**29,000**	**72,200**	**28,500**	**32.1**	2.06
MW-11	3/29/2005	**138**	< 2.50	90.6	145	< 10.0	< 0.010	< 2.50	**6,310**	**42,200**	**22,600**	12.3	--
MW-11	6/22/2005	**112**	1.97	105	259	5.42	--	--	**6,810**	**20,100**	**10,800**	10.6	1.56
MW-11	9/12/2005	**217**	< 12.5	224	992	3.48	--	--	**22,000**	**81,100**	**169,000**	**43**	21.8
MW-11	12/6/2005	**148**	< 2.50	130	504	< 5.00	--	--	**13,000**	**85,600**	**178,000**	**33.1**	3.1
MW-11	6/5/2006	**245**	< 5.00	149	529	< 10.0	--	--	**10,200**	**58,000**	**111,000**	**132**	32.9
MW-11	9/29/2006	4.44	0.57	2.84	47.5	--	--	--	**4,840**	--	--	--	--
MW-11	12/19/2006	**5**	< 0.500	2.3	11.8	--	--	--	**1,630**	--	--	--	--
MW-11	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	**1,310**	**2,950**	**5,910**	--	--
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	0.37	< 0.500	< 0.500	< 1.00	< 2.00	--	--	175	**714**	**1,370**	3.9	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	< 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**	**1,300**	< 2.0	< 2.0
MW-11	9/22/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	51	**1,310**	**3,220**	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**	**1,300**	< 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**	**1,400**	< 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**	**1,100**	< 4.0	< 4.0

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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	**1,000**	**1,000**	< 4.0	< 4.0
MW-11	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**930**	**1,500**	< 4.0	< 4.0
MW-12	7/11/1996	**624**	174	41.6	164	--	--	--	**2,620**	**618**	--	--	--
MW-12	10/10/1996	**264**	2.98	3.23	60.4	--	--	--	**1,720**	< 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**	0.53	< 0.5	16.7	--	--	--	**2,100**	**1,460**	**2,500**	--	--
MW-12	8/5/1997	**193**	5.16	5.19	87.9	--	--	--	**2,010**	**712**	< 750	--	--
MW-12	10/23/1997	**71.7**	< 0.5	< 0.5	5.78	--	--	--	358	**996**	**1,840**	--	--
MW-12	3/11/1998	**204**	9.3	< 1.0	18	--	--	--	398	< 250	< 750	--	--
MW-12	6/30/1998	**134**	< 2.50	< 5.00	< 30.0	--	--	--	**8,070**	289	--	--	--
MW-12	12/29/1998	**85.9**	< 1.0	< 1.0	5.8	--	--	--	313	< 250	< 750	--	--
MW-12	3/9/1999	**62.1**	1.71	< 3.0	< 41.0	--	--	--	**6,920**	**770**	**1,810**	--	--
MW-12	6/27/2001	**2,920**	452	275	**1,360**	**350**	--	--	**33,600**	**679**	< 750	--	--
MW-12	9/26/2001	**619**	**1,380**	**966**	**6,890**	< 50.0	--	--	**3,630,000**	**23,900**	**37,800**	--	--
MW-12	12/3/2001	**4,180**	323	315	**1,580**	**386**	--	--	**27,600**	**4,450**	**7,690**	--	--
MW-12	6/26/2003	**712**	878	258	**1,780**	< 20.0	--	--	**17,000**	**62,300**	**87,100**	**315**	4.93
MW-12	12/9/2003	**2,520**	338	142	**1,320**	**114**	--	--	**18,000**	**2,730**	**4,960**	4.77	4.84
MW-12	4/7/2004	**641**	655	201	**1,590**	< 10.0	--	--	**19,200**	**204,000**	**314,000**	**536**	8.61
MW-12	11/16/2004	**757**	**1,230**	283	**2,090**	< 20.0	--	--	**25,800**	**111,000**	**27,800**	9.64	2.92
MW-12	3/29/2005	**462**	655	250	**2,470**	< 40.0	< 0.010	< 10.0	**18,600**	**2,150,000**	**590,000**	**313**	--
MW-12	6/22/2005	**1,190**	434	350	**2,320**	< 20.0	--	--	**102,000**	**26,900**	**8,180**	**38**	3.61
MW-12	9/12/2005	**758**	631	250	**1,480**	< 2.00	--	--	**12,900**	**242,000**	**561,000**	**37.5**	4.64
MW-12	12/6/2005	**481**	**1,480**	**1,560**	**11,600**	< 100	--	--	**18,800**	**145,000**	**290,000**	**76.3**	12
MW-12	6/5/2006	**721**	61.8	190	**1,170**	< 20.0	--	--	**11,400**	**14,300**	**27,700**	3.23	1.52
MW-12	9/29/2006	**272**	4.79	195	**1,020**	--	--	--	**16,700**	--	--	--	--
MW-12	12/19/2006	**346**	36.6	81	620	--	--	--	**41,400**	--	--	--	--
MW-12	12/31/2007	**378**	7.48	104	503	< 1.00	--	--	**10,800**	**1,440**	**3,260**	--	--
MW-12	1/29/2008	**409**	8.39	96.4	584	< 1.00	--	--	**11,100**	**619**	**1,510**	--	--
MW-12	1/6/2009	4.2	0.89	22.5	186	< 1.00	--	--	**6,250**	358	**744**	--	--
MW-12	4/8/2009	0.949	0.647	4	52.6	< 1.00	--	--	**4,420**	**722**	**1,170**	**36**	7.86
MW-12	7/8/2009	< 1.00	< 2.50	< 2.50	8.45	< 10.0	--	--	**1,790**	< 250	< 500	8.45	5.61
MW-12	10/6/2009	1.9	< 1.00	1	9.3	< 1.00	--	--	**3,600**	**2,210**	**2,040**	4.2	< 2.00
MW-12	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	**3,700**	**5,500**	**1,100**	4.8	2
MW-12	5/25/2010	< 0.50	< 0.50	< 0.50	4.4	< 1.00	--	--	**2,900**	**3,800**	**2,900**	2.6	< 2.00
MW-12	8/19/2010	0.89	0.59	0.51	3.4	< 1.00	--	--	**1,800**	**2,000**	380	3.5	< 2.00
MW-12	12/7/2010	1.9	0.66	0.51	3.6	< 1.0	--	--	**2,300**	**1,700**	**1,300**	2.3	< 2.0
MW-12	1/26/2011	< 0.50	< 0.50	< 0.50	1.2	< 1.0	--	--	610	**1,100**	**2,900**	< 2.0	< 2.0
MW-12	6/16/2011	< 0.50	< 0.50	< 0.50	1.7	< 1.0	--	--	**860**	**2,600**	**1,900**	< 2.0	< 2.0
MW-12	9/22/2011	1.5	< 0.50	0.69	7	< 1.0	--	--	**1,800**	**8,770**	**15,200**	**21**	< 2.0
MW-12	12/6/2011	2.5	< 1.0	1.3	< 3.0	< 1.0	--	--	**9,590**	**14,500**	**38,600**	< 10.0	< 10.0
MW-12	3/8/2012	1.7	< 1.0	< 1.0	< 3.0	< 1.0	--	--	**1,460**	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**	**1,030**	**2,860**	< 10.0	< 10.0
MW-12	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	**542**	**1,890**	< 3.0	< 3.0

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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	**1,300**	**1,900**	--	--
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	**1,000**	**1,400**	< 2.0	< 2.0
MW-12	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	52	240	300	< 2.0	< 2.0
MW-12	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	150	< 260	< 4.0	< 4.0
MW-12	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**530**	**510**	< 4.0	< 4.0
MW-12	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	170	< 390	< 4.0	< 4.0
MW-12	9/11/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	420	400	< 4.0	< 4.0
MW-12	11/15/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**630**	**570**	< 4.0	< 4.0
MW-12	1/29/2019	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 250	**790**	**1,200**	< 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-12	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**890**	**2,100**	< 4.0	< 4.0
MW-13	9/26/2019	**140**	3.2 F1	19 F1	140	< 2.0F1F2	--	--	**2,900**	**6,900**	**3500 F1**	< 4.0	< 4.0
MW-13	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	170	< 350	< 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-14	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 360	< 4.0	< 4.0
MW-15	9/26/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**1,100**	**710**	< 4.0	< 4.0
MW-15	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	210	< 360	< 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
MW-16	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110**1	< 350**1	< 4.0	< 4.0
B1 (JPHC)	1/23/1996	**1,500**	**1,200**	**1,200**	**7,900**	--	--	--	**3,900,000**	**7,200**	**15,000**	--	--
B1 (JPHC)	3/11/1997	< 2.50	< 2.50	< 2.50	< 5.0	--	--	--	**2,600**	**16,500**	**34,300**	--	--
B1 (JPHC)	5/29/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	**934**	**14,000**	**32,400**	--	--
B1 (JPHC)	8/5/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	238	**7,500**	**16,100**	--	--
B1 (JPHC)	10/23/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	240	**75,500**	**280,000**	--	--
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	--	--	--	**23,100**	**3,540**	--	--	--
B1 (JPHC)	12/29/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**1,170**	**2,730**	--	--
B1 (JPHC)	3/9/1999	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**746**	**1,830**	--	--
B1 (JPHC)	6/2/1999	**57.3**	5.34	0.729	5.7	--	--	--	196	**1,050**	**1,530**	--	--
B1 (JPHC)	3/16/2000	**538**	119	42.6	142	--	--	--	**2,170**	**4,580**	**1,880**	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
B1 (JPHC)	6/30/2000	**1,430**	629	155	658	--	--	--	**6,510**	**4,820**	**973**	--	--
B1 (JPHC)	9/27/2000	**1,180**	203	62	309	--	--	--	**6,780**	**6,490**	**8,870**	--	--
B1 (JPHC)	11/10/2000	**2,260**	456	159	621	--	--	--	**8,610**	**2,230**	**5,090**	--	--
B1 (JPHC)	3/19/2001	**1,400**	569	138	672	**212**	--	--	**9,680**	**1,360**	**1,450**	--	--
B1 (JPHC)	6/27/2001	**1,360**	**2,230**	419	**2,060**	< 125	--	--	**47,300**	**73,900**	**132,000**	--	--
B1 (JPHC)	9/26/2001	**1,930**	**1,370**	**1,180**	**8,990**	**40.4**	--	--	**4,790,000**	**197,000**	**304,000**	--	--
B1 (JPHC)	12/3/2001	**204**	727	290	**1,790**	**48.7**	--	--	**40,500**	**14,300**	**28,200**	--	--
B1 (JPHC)	6/26/2003	**2,850**	286	584	**2,570**	19.1	--	--	**31,600**	**185,000**	**263,000**	**447**	14.3
B1 (JPHC)	12/9/2003	**454**	10.7	34.8	354	< 5.00	--	--	**4,650**	**10,700**	**20,500**	4.6	1.62
B1 (JPHC)	4/7/2004	**2,650**	428	383	**1,730**	< 100	--	--	**24,500**	**11,200**	**20,200**	5.13	13.3
B1 (JPHC)	11/16/2004	**3,470**	15	260	**1,190**	< 40.0	--	--	**45,000**	**6,730**	**3,770**	9.55	1.39
B1 (JPHC)	3/29/2005	**3,800**	267	600	**2,330**	< 40.0	< 0.010	< 10.0	**19,500**	**50,400**	**18,600**	**26.6**	--
B1 (JPHC)	6/22/2005	**594**	80.8	326	**1,450**	< 10.0	--	--	**9,760**	**13,300**	**7,820**	**24.5**	1.73
B1 (JPHC)	9/12/2005	**3,890**	64.4	**986**	**4,280**	**25.4**	--	--	**115,000**	**4,270**	**7,990**	**69.4**	11.5
B1 (JPHC)	12/6/2005	**5,400**	99	625	**2,220**	< 100	--	--	**25,400**	**6,360**	**12,700**	4.1	1.51
B1 (JPHC)	6/5/2006	**4,440**	75	316	885	< 100	--	--	**16,800**	**4,750**	--	**21.5**	1.56
B1 (JPHC)	12/19/2006	**17.8**	< 0.500	< 0.500	34.2	--	--	--	**4,140**	--	--	--	--
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	--	--	**5,870**	**4,260**	**10,400**	**18.4**	--
B1 (JPHC)	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	163	**2,270**	**7,700**	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	--	--	**1,000**	**810**	< 240	7.7	6.9
B1 (JPHC)	5/25/2010	**250**	11	26	64	< 1.00	--	--	**1,400**	**13,000**	**720**	13	6.5
B1 (JPHC)	8/19/2010	**280**	26	32	120	< 1.00	--	--	**2,000**	**11,000**	**780**	11	5
B1 (JPHC)	12/7/2010	**150**	42	39	160	< 1.0	--	--	**2,900**	**4,700**	**650**	6.6	4.8
B1 (JPHC)	1/26/2011	**41**	16	21	100	< 1.0	--	--	**1,200**	**3,000**	370	4.9	4.1
B1 (JPHC)	6/16/2011	**140**	8.2	52	340	< 1.0	--	--	**4,600**	**7,700**	**1,600**	8	4.2
B1 (JPHC)	9/22/2011	3.3	< 0.50	2.7	9.2	1.5	--	--	520	304	< 476	3.3	< 2.0
B1 (JPHC)	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	1.6	--	--	337	129	< 381	< 10.0	< 10.0
B1 (JPHC)	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	83	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	--	--	**1,000**	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	--	--	**1,000 Y**	< 260	< 260	< 10.0	< 10.0
B1 (JPHC)	2/13/2014	**150**	3.9	29	86	< 1.0	--	--	**2,100**	**4,800 BY**	**670 BY**	2	1.3 J
B1 (JPHC)	4/2/2014	**110**	3.4 J	23	70	< 0.74	--	--	**1,800**	**4,500 BY**	410 BY	1.4 J	0.93 J
B1 (JPHC)	7/11/2014	**140**	3.9	32	100	< 0.17	--	--	**1,600 B**	**5,400 BY**	**600 Y**	1.4 J	1.0 J
B1 (JPHC)	10/22/2014	**160**	4.9	39	180 B	0.20 J	--	--	**2,500 B**	**2,300 Y**	30 J	1.4 JB	0.60 J
B1 (JPHC)	1/21/2015	**130**	2.4	21	88	< 0.17	--	--	**1,700**	**4,600 H1BY^**	300 H1Y^	0.51 J	0.39 J
B1 (JPHC)	12/16/2015	**89**	2	15	36	< 0.17	--	--	**1,600**	**2,600**	330	--	--
B1 (JPHC)	3/11/2016	**80**	0.99 J	7.9	22	0.27 J	--	--	**950**	**4,300**	**1,000**	0.27 J	< 0.17
B1 (JPHC)	6/1/2016	**93**	2.1	10	34	< 0.11	--	--	**1,400**	**4,400**	**1,000**	1.6 J	0.32 J

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**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
B1 (JPHC)	8/29/2016	**140**	3.3	15	79	< 1.0*	--	--	**1,900**	**3,300 B**	410 B	0.39 J	0.39 J
B1 (JPHC)	11/21/2016	**120**	3	15	78	< 1.0	--	--	**2,100**	**4,400**	**1,300**	< 2.0	< 2.0
B1 (JPHC)	2/15/2017	**86**	< 2.0	10	40	< 1.0	--	--	**1,600**	**3,800**	**880**	< 2.0	< 2.0
B1 (JPHC)	5/26/2017	**67**	< 2.0	6.3	24 F1	< 2.0	--	--	**1,100 F1**	**4,200**	**1,200**	< 4.0	< 4.0
B1 (JPHC)	10/17/2017	**97**	2	7.7	48	< 2.0	--	--	**1,700**	**4,600**	**1,300**	< 4.0	< 4.0
B1 (JPHC)	2/8/2018	**88**	< 2.0	6.6	39	< 2.0	--	--	**1,400**	**3,700**	**1,500**	< 4.0	< 4.0
B1 (JPHC)	9/11/2018	**130**	< 2.0	6	38	< 1.0	--	--	**1,600**	**5,100**	**2,000**	< 4.0	< 4.0
B1 (JPHC)	11/15/2018	**130**	2.4	6.3	51	< 1.0	--	--	**2,500**	**5,300**	**3,000**	< 4.0	< 4.0
B1 (JPHC)	1/29/2019	**57**	< 2.0	3.7	34	< 1.0	--	--	**1,800**	**3,600**	**2,100**	< 4.0	< 4.0
B1 (JPHC)	9/26/2019	**80**	3.2	3.1	39	< 2.0	--	--	**1,700**	**3,900**	**2,200**	< 4.0	< 4.0
B1 (JPHC)	3/9/2020	**11**	< 2.0	< 3.0	11	< 2.0	--	--	**980**	**1,200 **1**	< 360**1	< 4.0	< 4.0
B3 (JPHC)	2/15/1995	1	< 0.5	< 0.5	< 1.0	--	--	--	< 50	340	**1,200**	10	--
B3 (JPHC)	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
B3 (JPHC)	7/20/1995	< 0.5	0.9	< 0.5	2.6	--	--	--	91	370	< 750	--	--
B3 (JPHC)	10/25/1995	0.57	2.6	0.84	9	--	--	--	750	**810**	**1,600**	--	--
B3 (JPHC)	1/23/1996	0.64	11	3.6	35	--	--	--	**5,400**	**810**	**1,900**	--	--
B3 (JPHC)	4/17/1996	< 0.5	1	< 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	**1,180**	--	--
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	**1,180**	**2,750**	--	--
B3 (JPHC)	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	9.44	--	--	< 50.0	< 250	< 750	--	--
B3 (JPHC)	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	8.06	--	--	< 50.0	< 250	< 750	--	--
B3 (JPHC)	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**49.3**	--	--	< 50.0	< 250	< 500	--	--
B3 (JPHC)	6/6/2002	< 0.500	1.05	< 0.500	< 1.00	5.03	< 0.01	< 1.00	< 50.0	< 250	< 500	**23.5**	< 1.00
B3 (JPHC)	6/26/2003	< 0.500	< 0.500	1.3	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	--	--

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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**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	
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	**5,000**	**1,900**	< 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
B3 (JPHC)	3/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110**1	< 360**1	< 4.0	< 4.0

Table 2
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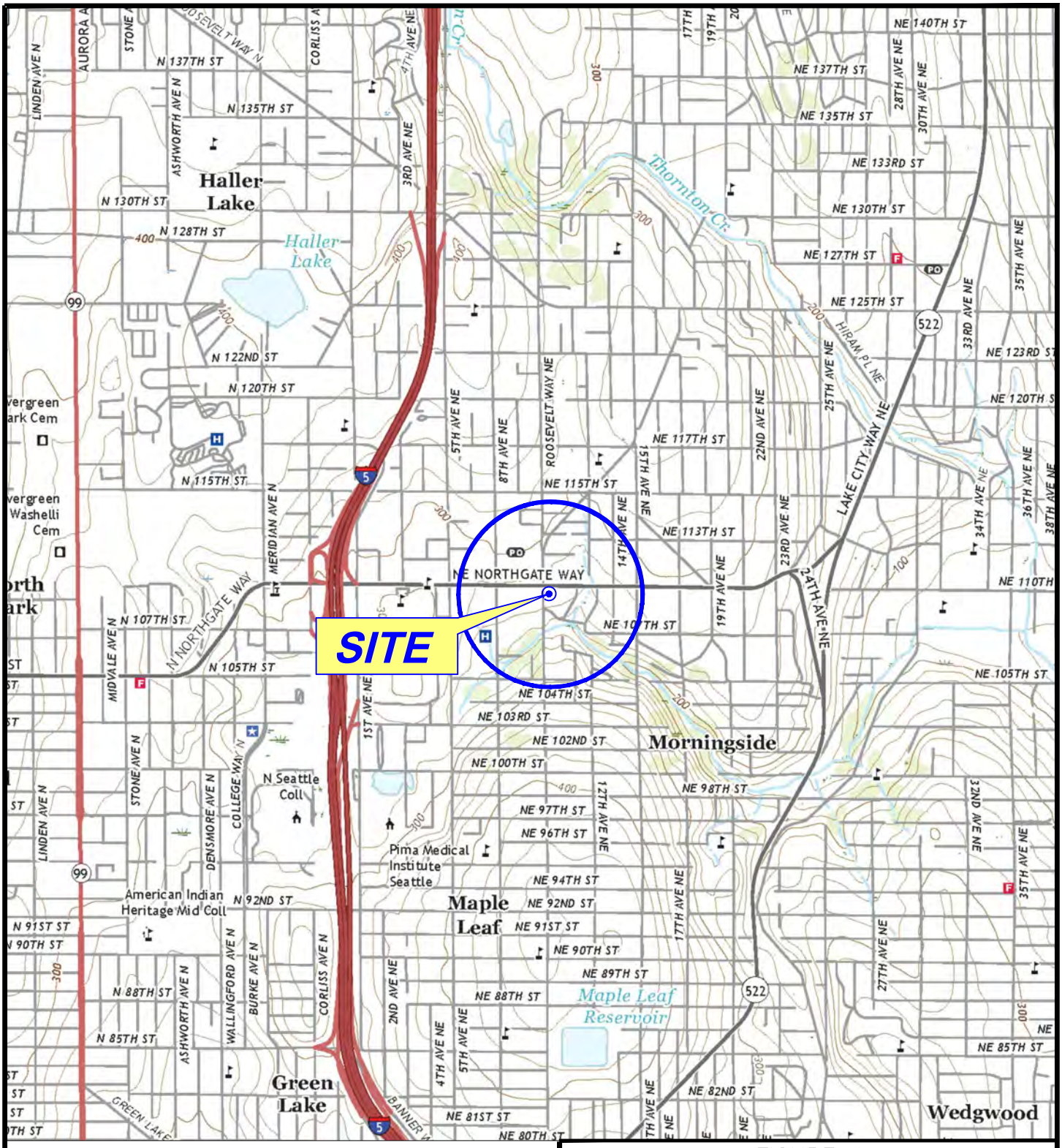
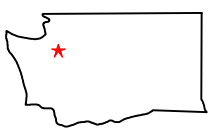
CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS	**5**	**1,000**	**700**	**1,000**	**20**	**0.01**	**5**	**800**	**500**	**500**	**15**	

Notes:
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes, Total
MTBE = Methyl-tertiary-butyl ether
EDB = 1,2-Dibromo-ethane
EDC = 1,2-Dichloro-ethane
TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx
TPH-D = Total petroleum hydrocarbons as diesel by Northwest Method NWTPH-Dx
TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Dx
1,000/800[1] ug/L if no detectable levels of Benzene in the sample - otherwise 800 ug/L
<1.0 = Concentrations were not detected above the laboratory method reporting limit.
ug/L = Micrograms per liter (ppb)
-- = 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
*1 = LCS/LCSD RPD exceeds control 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.

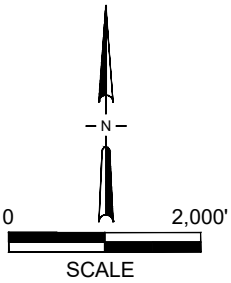
Figures



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



QUADRANGLE LOCATION



SCALE

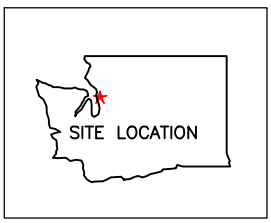
FIGURE 1
SITE LOCATION MAP

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



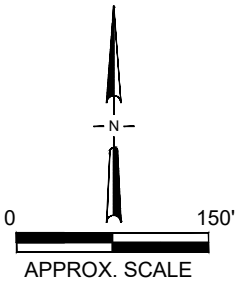
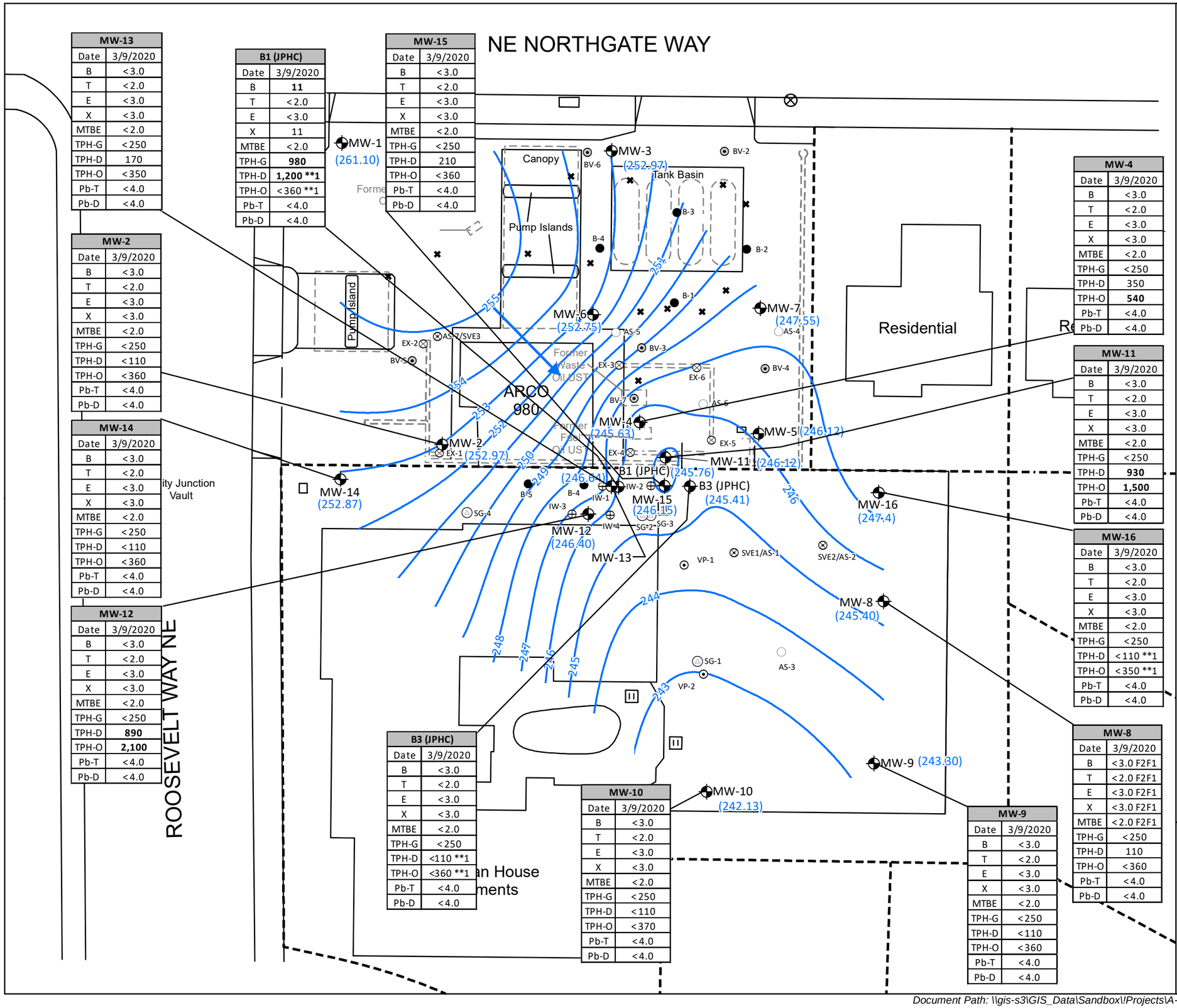


FIGURE 2
SITE AERIAL MAP

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	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	170
TPH-O	<350
Pb-T	<4.0
Pb-D	<4.0

B1 (JPHC)	
Date	3/9/2020
B	**11**
T	<2.0
E	<3.0
X	11
MTBE	<2.0
TPH-G	**980**
TPH-D	**1,200 **1**
TPH-O	<360 **1
Pb-T	<4.0
Pb-D	<4.0

MW-15	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	210
TPH-O	<360
Pb-T	<4.0
Pb-D	<4.0

MW-4	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	350
TPH-O	**540**
Pb-T	<4.0
Pb-D	<4.0

MW-2	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110
TPH-O	<360
Pb-T	<4.0
Pb-D	<4.0

MW-11	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	**930**
TPH-O	**1,500**
Pb-T	<4.0
Pb-D	<4.0

MW-14	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110
TPH-O	<360
Pb-T	<4.0
Pb-D	<4.0

MW-16	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110 **1
TPH-O	<350 **1
Pb-T	<4.0
Pb-D	<4.0

MW-12	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	**890**
TPH-O	**2,100**
Pb-T	<4.0
Pb-D	<4.0

B3 (JPHC)	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110 **1
TPH-O	<360 **1
Pb-T	<4.0
Pb-D	<4.0

MW-10	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110
TPH-O	<370
Pb-T	<4.0
Pb-D	<4.0

MW-8	
Date	3/9/2020
B	<3.0 F2F1
T	<2.0 F2F1
E	<3.0 F2F1
X	<3.0 F2F1
MTBE	<2.0 F2F1
TPH-G	<250
TPH-D	110
TPH-O	<360
Pb-T	<4.0
Pb-D	<4.0

MW-9	
Date	3/9/2020
B	<3.0
T	<2.0
E	<3.0
X	<3.0
MTBE	<2.0
TPH-G	<250
TPH-D	<110
TPH-O	<360
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
- Inferred groundwater Flow Direction
- Groundwater Elevation Contour (ft)
- PROPERTY BOUNDARY
- SITE FEATURES
- FORMER SITE FEATURES
- CATCH BASIN
- (243.30) 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
* = LCS or LCSD is outside acceptance limits
*1 = LCS/LCSD RPD exceeds control limits.

0 5 10 20 30 40 Feet

N

FIGURE 3

GROUNDWATER ANALYTICAL AND ELEVATION CONTOUR MAP
MARCH 9, 2020
ARCO FACILITY NO. 980
10822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

PROJECT NO.	PREPARED BY	REF SCALE
00980SA201	MSS	1:360
DATE	REVIEWED BY	MAP SCALE
5/20/2020	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\GWAnalytical1Q20.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: 580-93336-1
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:
3/31/2020 3:53:51 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
3/31/2020 3:53:51 PM

Table of Contents

Definitions/Glossary

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

Job ID: 580-93336-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F7	MS/MSD RPD exceeds control limits. Sample size differs by <10%

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD RPD exceeds control limits.
X	Surrogate recovery exceeds 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)

Job ID: 580-93336-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative
580-93336-1

Receipt
Sixteen samples were received on 3/10/2020 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.8º C and 5.1º C.

Receipt Exceptions

The reference method requires samples to be preserved to a pH of 2 or less. The poly for total metals for the following sample was received unpreserved: MW-12_11.44_20200309 (580-93336-7). The container was preserved to the appropriate pH in the laboratory with nitric acid from lot 0000197345 @ 16:10 on 3/10/20. A lab blank was created with the same reagent in DI water at the same time.

The client submitted a sample that is not on the chain of custody (COC). The sample (DUP 1) is added to the login with all analyses per containers received. Additional volume was received of sample MW-8_14.18_20200309 however the COC does not request matrix spike/matrix spike duplicate (MS/MSD) be performed for any samples. The samples are logged in with the MS/MSD analyses per containers received.

GC/MS VOA
Methods 8260C, 8260D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) recoveries and precision for analytical batch 580-325027 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) precision was within acceptance limits.

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

GC VOA
Method NWTPH-Gx: The following sample contained an atypical hydrocarbon pattern for Gasoline when compared to laboratory standards use for calibration: B1 (JPHC)_11.95_20200309 (580-93336-12).

No additional 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_15.53_20200309 (580-93336-2), MW-8_14.18_20200309 (580-93336-3), MW-11_15.73_20200309 (580-93336-6), MW-12_11.44_20200309 (580-93336-7) and MW-15_12.10_20200309 (580-93336-10).

Method NWTPH-Dx: The following samples were re-prepared outside of preparation holding time due to failing QC criteria in the initial extraction: MW-16_12.13_20200309 (580-93336-11), B1 (JPHC)_11.95_20200309 (580-93336-12), B3 (JPHC)_13.00_20200309 (580-93336-13) and Dup-1_20200309 (580-93336-15). Both sets of data are reported.

Method NWTPH-Dx: (LCS 580-325590/2-A) recovers outside control limits, low-biased, for o-Terphenyl surrogate. Target analyte recoveries of diesel and motor oil ranges are within control limits in this LCS, indicating a sufficient extraction; therefore, the data is reported.

Method NWTPH-Dx: (CCVRT 580-325783/3) recovers outside drift criteria for o-Terphenyl surrogate; this CCV and associated samples recover within recovery criteria, therefore the data is reported.

Method NWTPH-Dx: (LCS 580-325333/2-A) and (MB 580-325333/1-A) recovered outside control limits for surrogates and target hydrocarbon ranges of interest. Affected client samples were re-extracted outside of holding time. Both sets of data have been reported.

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

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

Detection Summary

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

Job ID: 580-93336-1

Client Sample ID: MW-2_8.55_20200309 — Lab Sample ID: 580-93336-1

No Detections.

Client Sample ID: MW-4_15.53_20200309 — Lab Sample ID: 580-93336-2

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

Client Sample ID: MW-8_14.18_20200309 — Lab Sample ID: 580-93336-3

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

Client Sample ID: MW-9_15.66_20200309 — Lab Sample ID: 580-93336-4

No Detections.

Client Sample ID: MW-10_14.43_20200309 — Lab Sample ID: 580-93336-5

No Detections.

Client Sample ID: MW-11_15.73_20200309 — Lab Sample ID: 580-93336-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	930		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	1500		360		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-12_11.44_20200309 — Lab Sample ID: 580-93336-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	890		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	2100		360		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-13_11.37_20200309 — Lab Sample ID: 580-93336-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	170		110		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-14_5.40_20200309 — Lab Sample ID: 580-93336-9

No Detections.

Client Sample ID: MW-15_12.10_20200309 — Lab Sample ID: 580-93336-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	210		110		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-16_12.13_20200309 — Lab Sample ID: 580-93336-11

No Detections.

Client Sample ID: B1 (JPHC)_11.95_20200309 — Lab Sample ID: 580-93336-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	11		3.0		ug/L	1		8260D	Total/NA
Xylenes, Total	11		3.0		ug/L	1		8260D	Total/NA
Gasoline	980		250		ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	1200	* *1	110		ug/L	1		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Seattle

Detection Summary

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

Job ID: 580-93336-1

Client Sample ID: B3 (JPHC)_13.00_20200309 — Lab Sample ID: 580-93336-13

No Detections.

Client Sample ID: Tripblank-1_20200309 — Lab Sample ID: 580-93336-14

No Detections.

Client Sample ID: Dup-1_20200309 — Lab Sample ID: 580-93336-15

No Detections.

Client Sample ID: Laboratory Blank — Lab Sample ID: 580-93336-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2_8.55_20200309

Lab Sample ID: 580-93336-1

Date Collected: 03/09/20 09:30

Matrix: Water

Date Received: 03/10/20 11:30

Method: 8260D - 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			03/17/20 23:54	1
Benzene	ND		3.0		ug/L			03/17/20 23:54	1
Toluene	ND		2.0		ug/L			03/17/20 23:54	1
Ethylbenzene	ND		3.0		ug/L			03/17/20 23:54	1
Xylenes, Total	ND		3.0		ug/L			03/17/20 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*102*		*80 - 120*		*03/17/20 23:54*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/17/20 23:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 126*		*03/17/20 23:54*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*03/17/20 23:54*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*03/17/20 23:54*	*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			03/13/20 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*50 - 150*		*03/13/20 02:49*	*1*
Trifluorotoluene (Surr)	*71*		*50 - 150*		*03/13/20 02:49*	*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		03/20/20 10:14	03/21/20 01:57	1
Motor Oil (>C24-C36)	ND		360		ug/L		03/20/20 10:14	03/21/20 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*03/20/20 10:14*	*03/21/20 01:57*	*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		03/11/20 12:26	03/12/20 12:25	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:09	5

Client Sample ID: MW-4_15.53_20200309

Lab Sample ID: 580-93336-2

Date Collected: 03/09/20 10:20

Matrix: Water

Date Received: 03/10/20 11:30

Method: 8260D - 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			03/18/20 01:43	1
Benzene	ND		3.0		ug/L			03/18/20 01:43	1
Toluene	ND		2.0		ug/L			03/18/20 01:43	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 01:43	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*99*		*80 - 120*		*03/18/20 01:43*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/18/20 01:43*	*1*

Client Sample ID: MW-4_15.53_20200309

Lab Sample ID: 580-93336-2
Matrix: Water
Date Collected: 03/09/20 10:20
Date Received: 03/10/20 11:30

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 126*		*03/18/20 01:43*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/18/20 01:43*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/18/20 01:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			03/13/20 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*50 - 150*		*03/13/20 03:13*	*1*
Trifluorotoluene (Surr)	*92*		*50 - 150*		*03/13/20 03:13*	*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)	**350**		110		ug/L		03/20/20 10:14	03/21/20 02:17	1
Motor Oil (>C24-C36)	**540**		350		ug/L		03/20/20 10:14	03/21/20 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*50 - 150*	*03/20/20 10:14*	*03/21/20 02:17*	*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		03/11/20 12:26	03/12/20 12:29	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:12	5

Client Sample ID: MW-8_14.18_20200309

Lab Sample ID: 580-93336-3
Matrix: Water
Date Collected: 03/09/20 12:40
Date Received: 03/10/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	F2 F1	2.0		ug/L			03/18/20 02:10	1
Benzene	ND	F2 F1	3.0		ug/L			03/18/20 02:10	1
Toluene	ND	F2 F1	2.0		ug/L			03/18/20 02:10	1
Ethylbenzene	ND	F2 F1	3.0		ug/L			03/18/20 02:10	1
Xylenes, Total	ND	F2 F1	3.0		ug/L			03/18/20 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*103*		*80 - 120*		*03/18/20 02:10*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/18/20 02:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 126*		*03/18/20 02:10*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/18/20 02:10*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/18/20 02:10*	*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			03/16/20 20:30	1

Client Sample ID: MW-8_14.18_20200309

Lab Sample ID: 580-93336-3

Date Collected: 03/09/20 12:40

Matrix: Water

Date Received: 03/10/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*88*		*50 - 150*		*03/16/20 20:30*	*1*
Trifluorotoluene (Surr)	*101*		*50 - 150*		*03/16/20 20:30*	*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)	**110**		110		ug/L		03/20/20 10:14	03/21/20 02:37	1
Motor Oil (>C24-C36)	ND		360		ug/L		03/20/20 10:14	03/21/20 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*75*		*50 - 150*	*03/20/20 10:14*	*03/21/20 02:37*	*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		03/11/20 12:26	03/12/20 11:51	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 19:34	5

Client Sample ID: MW-9_15.66_20200309

Lab Sample ID: 580-93336-4

Date Collected: 03/09/20 11:40

Matrix: Water

Date Received: 03/10/20 11:30

Method: 8260D - 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			03/18/20 03:31	1
Benzene	ND		3.0		ug/L			03/18/20 03:31	1
Toluene	ND		2.0		ug/L			03/18/20 03:31	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 03:31	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	*100*		*80 - 120*		*03/18/20 03:31*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/18/20 03:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 126*		*03/18/20 03:31*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/18/20 03:31*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/18/20 03:31*	*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			03/13/20 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*104*		*50 - 150*		*03/13/20 03:37*	*1*
Trifluorotoluene (Surr)	*85*		*50 - 150*		*03/13/20 03:37*	*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		03/20/20 10:14	03/21/20 03:38	1
Motor Oil (>C24-C36)	ND		360		ug/L		03/20/20 10:14	03/21/20 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*71*		*50 - 150*	*03/20/20 10:14*	*03/21/20 03:38*	*1*

Client Sample ID: MW-9_15.66_20200309

Lab Sample ID: 580-93336-4

Date Collected: 03/09/20 11:40
Date Received: 03/10/20 11:30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/11/20 12:26	03/12/20 12:32	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:16	5

Client Sample ID: MW-10_14.43_20200309

Lab Sample ID: 580-93336-5

Date Collected: 03/09/20 12:05
Date Received: 03/10/20 11:30

Matrix: Water

Method: 8260D - 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			03/18/20 03:58	1
Benzene	ND		3.0		ug/L			03/18/20 03:58	1
Toluene	ND		2.0		ug/L			03/18/20 03:58	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 03:58	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*104*		*80 - 120*		*03/18/20 03:58*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/18/20 03:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 126*		*03/18/20 03:58*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/18/20 03:58*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/18/20 03:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			03/13/20 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*		*03/13/20 04:01*	*1*
Trifluorotoluene (Surr)	*84*		*50 - 150*		*03/13/20 04:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		03/20/20 10:14	03/21/20 03:58	1
Motor Oil (>C24-C36)	ND		370		ug/L		03/20/20 10:14	03/21/20 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*50 - 150*	*03/20/20 10:14*	*03/21/20 03:58*	*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		03/11/20 12:26	03/12/20 12:35	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:19	5

Client Sample ID: MW-11_15.73_20200309

Lab Sample ID: 580-93336-6

Date Collected: 03/09/20 10:55

Matrix: Water

Date Received: 03/10/20 11:30

Method: 8260D - 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			03/18/20 04:25	1
Benzene	ND		3.0		ug/L			03/18/20 04:25	1
Toluene	ND		2.0		ug/L			03/18/20 04:25	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 04:25	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*101*		*80 - 120*		*03/18/20 04:25*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/18/20 04:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 126*		*03/18/20 04:25*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/18/20 04:25*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/18/20 04:25*	*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			03/13/20 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*50 - 150*		*03/13/20 04:26*	*1*
Trifluorotoluene (Surr)	*74*		*50 - 150*		*03/13/20 04:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**930**		110		ug/L		03/20/20 10:14	03/21/20 04:18	1
Motor Oil (>C24-C36)	**1500**		360		ug/L		03/20/20 10:14	03/21/20 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*50 - 150*	*03/20/20 10:14*	*03/21/20 04:18*	*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		03/11/20 12:26	03/12/20 12:38	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:22	5

Client Sample ID: MW-12_11.44_20200309

Lab Sample ID: 580-93336-7

Date Collected: 03/09/20 16:00

Matrix: Water

Date Received: 03/10/20 11:30

Method: 8260D - 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			03/18/20 04:52	1
Benzene	ND		3.0		ug/L			03/18/20 04:52	1
Toluene	ND		2.0		ug/L			03/18/20 04:52	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 04:52	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*101*		*80 - 120*		*03/18/20 04:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/18/20 04:52*	*1*

Client Sample ID: MW-12_11.44_20200309

Lab Sample ID: 580-93336-7

Date Collected: 03/09/20 16:00
Matrix: Water
Date Received: 03/10/20 11:30

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 126*		*03/18/20 04:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/18/20 04:52*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/18/20 04:52*	*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			03/13/20 09:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*		*03/13/20 09:15*	*1*
Trifluorotoluene (Surr)	*87*		*50 - 150*		*03/13/20 09:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**890**		110		ug/L		03/20/20 10:14	03/21/20 04:38	1
Motor Oil (>C24-C36)	**2100**		360		ug/L		03/20/20 10:14	03/21/20 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*50 - 150*	*03/20/20 10:14*	*03/21/20 04:38*	*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		03/11/20 12:26	03/12/20 12:41	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:25	5

Client Sample ID: MW-13_11.37_20200309

Lab Sample ID: 580-93336-8

Date Collected: 03/09/20 15:20
Matrix: Water
Date Received: 03/10/20 11:30

Method: 8260D - 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			03/18/20 05:20	1
Benzene	ND		3.0		ug/L			03/18/20 05:20	1
Toluene	ND		2.0		ug/L			03/18/20 05:20	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 05:20	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*102*		*80 - 120*		*03/18/20 05:20*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/18/20 05:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 126*		*03/18/20 05:20*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/18/20 05:20*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/18/20 05:20*	*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			03/13/20 04:50	1

Client Sample ID: MW-13_11.37_20200309

Lab Sample ID: 580-93336-8

Date Collected: 03/09/20 15:20
Matrix: Water
Date Received: 03/10/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		50 - 150		03/13/20 04:50	1
Trifluorotoluene (Surr)	96		50 - 150		03/13/20 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	170		110		ug/L		03/20/20 10:14	03/21/20 05:18	1
Motor Oil (>C24-C36)	ND		350		ug/L		03/20/20 10:14	03/21/20 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	03/20/20 10:14	03/21/20 05:18	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		03/11/20 12:26	03/12/20 12:44	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:28	5

Client Sample ID: MW-14_5.40_20200309

Lab Sample ID: 580-93336-9

Date Collected: 03/09/20 16:45
Matrix: Water
Date Received: 03/10/20 11:30

Method: 8260D - 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			03/18/20 05:47	1
Benzene	ND		3.0		ug/L			03/18/20 05:47	1
Toluene	ND		2.0		ug/L			03/18/20 05:47	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 05:47	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 05:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluorotoluene (Surr)	102		80 - 120		03/18/20 05:47	1
Toluene-d8 (Surr)	101		80 - 120		03/18/20 05:47	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		03/18/20 05:47	1
4-Bromofluorobenzene (Surr)	90		80 - 120		03/18/20 05:47	1
Dibromofluoromethane (Surr)	100		80 - 120		03/18/20 05:47	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			03/13/20 05:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		50 - 150		03/13/20 05:38	1
Trifluorotoluene (Surr)	79		50 - 150		03/13/20 05:38	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		03/20/20 10:14	03/21/20 05:38	1
Motor Oil (>C24-C36)	ND		360		ug/L		03/20/20 10:14	03/21/20 05:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	03/20/20 10:14	03/21/20 05:38	1

Client Sample ID: MW-14_5.40_20200309

Lab Sample ID: 580-93336-9

Date Collected: 03/09/20 16:45
Matrix: Water
Date Received: 03/10/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/11/20 12:26	03/12/20 12:47	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:31	5

Client Sample ID: MW-15_12.10_20200309

Lab Sample ID: 580-93336-10

Date Collected: 03/09/20 14:25
Matrix: Water
Date Received: 03/10/20 11:30

Method: 8260D - 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			03/18/20 06:14	1
Benzene	ND		3.0		ug/L			03/18/20 06:14	1
Toluene	ND		2.0		ug/L			03/18/20 06:14	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 06:14	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*102*		*80 - 120*		*03/18/20 06:14*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/18/20 06:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 126*		*03/18/20 06:14*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*03/18/20 06:14*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/18/20 06:14*	*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			03/13/20 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*50 - 150*		*03/13/20 06:02*	*1*
Trifluorotoluene (Surr)	*79*		*50 - 150*		*03/13/20 06:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**210**		110		ug/L		03/20/20 10:14	03/21/20 05:58	1
Motor Oil (>C24-C36)	ND		360		ug/L		03/20/20 10:14	03/21/20 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*03/20/20 10:14*	*03/21/20 05:58*	*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		03/11/20 12:26	03/12/20 12:51	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:35	5

Client Sample ID: MW-16_12.13_20200309

Lab Sample ID: 580-93336-11

Date Collected: 03/09/20 13:20
Matrix: Water
Date Received: 03/10/20 11:30

Method: 8260D - 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			03/18/20 06:41	1
Benzene	ND		3.0		ug/L			03/18/20 06:41	1
Toluene	ND		2.0		ug/L			03/18/20 06:41	1
Ethylbenzene	ND		3.0		ug/L			03/18/20 06:41	1
Xylenes, Total	ND		3.0		ug/L			03/18/20 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*102*		*80 - 120*		*03/18/20 06:41*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/18/20 06:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 126*		*03/18/20 06:41*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*03/18/20 06:41*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/18/20 06:41*	*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			03/13/20 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*50 - 150*		*03/13/20 06:26*	*1*
Trifluorotoluene (Surr)	*87*		*50 - 150*		*03/13/20 06:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	* *1	110		ug/L		03/21/20 10:55	03/24/20 10:59	1
Motor Oil (>C24-C36)	ND	* *1	350		ug/L		03/21/20 10:55	03/24/20 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*03/21/20 10:55*	*03/24/20 10:59*	*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		03/11/20 12:26	03/12/20 11:48	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:50	5

Client Sample ID: B1 (JPHC)_11.95_20200309

Lab Sample ID: 580-93336-12

Date Collected: 03/09/20 15:00
Matrix: Water
Date Received: 03/10/20 11:30

Method: 8260D - 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			03/19/20 05:31	1
Benzene	**11**		3.0		ug/L			03/19/20 05:31	1
Toluene	ND		2.0		ug/L			03/19/20 05:31	1
Ethylbenzene	ND		3.0		ug/L			03/19/20 05:31	1
Xylenes, Total	**11**		3.0		ug/L			03/19/20 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*98*		*80 - 120*		*03/19/20 05:31*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/19/20 05:31*	*1*

Client Sample ID: B1 (JPHC)_11.95_20200309

Lab Sample ID: 580-93336-12

Date Collected: 03/09/20 15:00
Matrix: Water
Date Received: 03/10/20 11:30

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 126*		*03/19/20 05:31*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/19/20 05:31*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*03/19/20 05:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**980**		250		ug/L			03/13/20 06:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*50 - 150*		*03/13/20 06:50*	*1*
Trifluorotoluene (Surr)	*88*		*50 - 150*		*03/13/20 06:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**1200**	***1**	110		ug/L		03/21/20 10:55	03/24/20 10:39	1
Motor Oil (>C24-C36)	ND	*1	360		ug/L		03/21/20 10:55	03/24/20 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*55*		*50 - 150*	*03/21/20 10:55*	*03/24/20 10:39*	*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		03/11/20 12:26	03/12/20 13:06	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:53	5

Client Sample ID: B3 (JPHC)_13.00_20200309

Lab Sample ID: 580-93336-13

Date Collected: 03/09/20 13:50
Matrix: Water
Date Received: 03/10/20 11:30

Method: 8260D - 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			03/19/20 05:58	1
Benzene	ND		3.0		ug/L			03/19/20 05:58	1
Toluene	ND		2.0		ug/L			03/19/20 05:58	1
Ethylbenzene	ND		3.0		ug/L			03/19/20 05:58	1
Xylenes, Total	ND		3.0		ug/L			03/19/20 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*100*		*80 - 120*		*03/19/20 05:58*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/19/20 05:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 126*		*03/19/20 05:58*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/19/20 05:58*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*03/19/20 05:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			03/13/20 07:14	1

Client Sample ID: B3 (JPHC)_13.00_20200309

Lab Sample ID: 580-93336-13
Matrix: Water
Date Collected: 03/09/20 13:50
Date Received: 03/10/20 11:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*50 - 150*		*03/13/20 07:14*	*1*
Trifluorotoluene (Surr)	*85*		*50 - 150*		*03/13/20 07:14*	*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	* *1	110		ug/L		03/21/20 10:55	03/24/20 10:19	1
Motor Oil (>C24-C36)	ND	* *1	360		ug/L		03/21/20 10:55	03/24/20 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*65*		*50 - 150*	*03/21/20 10:55*	*03/24/20 10:19*	*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		03/11/20 12:26	03/12/20 13:09	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 20:57	5

Client Sample ID: Tripblank-1_20200309

Lab Sample ID: 580-93336-14
Matrix: Water
Date Collected: 03/09/20 00:01
Date Received: 03/10/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0		ug/L			03/17/20 22:59	1
Toluene	ND		2.0		ug/L			03/17/20 22:59	1
Ethylbenzene	ND		3.0		ug/L			03/17/20 22:59	1
Xylenes, Total	ND		3.0		ug/L			03/17/20 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*102*		*80 - 120*		*03/17/20 22:59*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/20 22:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 126*		*03/17/20 22:59*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/17/20 22:59*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/17/20 22:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250		ug/L			03/13/20 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*50 - 150*		*03/13/20 02:25*	*1*
Trifluorotoluene (Surr)	*79*		*50 - 150*		*03/13/20 02:25*	*1*

Client Sample ID: Dup-1_20200309

Lab Sample ID: 580-93336-15
Matrix: Water
Date Collected: 03/09/20 00:01
Date Received: 03/10/20 11:30

Method: 8260D - 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			03/17/20 23:27	1
Benzene	ND		3.0		ug/L			03/17/20 23:27	1

Client Sample ID: Dup-1_20200309

Lab Sample ID: 580-93336-15
Date Collected: 03/09/20 00:01
Matrix: Water
Date Received: 03/10/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0		ug/L			03/17/20 23:27	1
Ethylbenzene	ND		3.0		ug/L			03/17/20 23:27	1
Xylenes, Total	ND		3.0		ug/L			03/17/20 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*101*		*80 - 120*		*03/17/20 23:27*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/17/20 23:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 126*		*03/17/20 23:27*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/17/20 23:27*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/17/20 23:27*	*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			03/13/20 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*50 - 150*		*03/13/20 07:38*	*1*
Trifluorotoluene (Surr)	*92*		*50 - 150*		*03/13/20 07:38*	*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	* *1	110		ug/L		03/21/20 10:55	03/24/20 00:57	1
Motor Oil (>C24-C36)	ND	* *1	360		ug/L		03/21/20 10:55	03/24/20 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*03/21/20 10:55*	*03/24/20 00:57*	*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		03/12/20 15:49	03/13/20 14:44	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 21:00	5

Client Sample ID: Laboratory Blank

Lab Sample ID: 580-93336-16
Date Collected: 03/09/20 00:01
Matrix: Water
Date Received: 03/10/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/11/20 12:26	03/12/20 13:13	5

Surrogate Summary

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

Job ID: 580-93336-1

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)				
Lab Sample ID	Client Sample ID	TFT (80-120)	TOL (80-120)	DCA (80-126)	BFB (80-120)	DBFM (80-120)
580-93336-1	MW-2_8.55_20200309	102	102	105	91	97
580-93336-2	MW-4_15.53_20200309	99	101	104	93	102
580-93336-3	MW-8_14.18_20200309	103	101	107	92	103
580-93336-3 MS	MW-8_14.18_20200309	99	102	103	96	100
580-93336-3 MSD	MW-8_14.18_20200309	99	104	98	94	96
580-93336-4	MW-9_15.66_20200309	100	101	106	92	99
580-93336-5	MW-10_14.43_20200309	104	103	107	90	98
580-93336-6	MW-11_15.73_20200309	101	101	105	93	100
580-93336-7	MW-12_11.44_20200309	101	100	104	96	100
580-93336-8	MW-13_11.37_20200309	102	101	104	95	99
580-93336-9	MW-14_5.40_20200309	102	101	105	90	100
580-93336-10	MW-15_12.10_20200309	102	101	107	91	103
580-93336-11	MW-16_12.13_20200309	102	103	105	91	103
580-93336-12	B1 (JPHC)_11.95_20200309	98	101	103	97	97
580-93336-13	B3 (JPHC)_13.00_20200309	100	104	105	90	97
580-93336-14	Tripblank-1_20200309	102	99	106	93	100
580-93336-15	Dup-1_20200309	101	101	106	94	102
LCS 580-325027/4	Lab Control Sample	100	101	101	100	98
LCS 580-325138/16	Lab Control Sample	99	103	99	96	96
LCSD 580-325027/5	Lab Control Sample Dup	100	102	100	98	96
LCSD 580-325138/17	Lab Control Sample Dup	99	101	102	97	99
MB 580-325027/7	Method Blank	101	99	106	94	102
MB 580-325138/19	Method Blank	101	101	104	90	101

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)	
Lab Sample ID	Client Sample ID	BFB2 (50-150)	TFT2 (50-150)
580-93336-1	MW-2_8.55_20200309	100	71
580-93336-2	MW-4_15.53_20200309	91	92
580-93336-3	MW-8_14.18_20200309	88	101
580-93336-3 MS	MW-8_14.18_20200309	104	103
580-93336-3 MSD	MW-8_14.18_20200309	102	110
580-93336-4	MW-9_15.66_20200309	104	85
580-93336-5	MW-10_14.43_20200309	97	84
580-93336-6	MW-11_15.73_20200309	98	74
580-93336-7	MW-12_11.44_20200309	97	87
580-93336-8	MW-13_11.37_20200309	105	96
580-93336-9	MW-14_5.40_20200309	103	79
580-93336-10	MW-15_12.10_20200309	100	79
580-93336-11	MW-16_12.13_20200309	104	87

Surrogate Summary

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

Job ID: 580-93336-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB2 (50-150)	TFT2 (50-150)
580-93336-12	B1 (JPHC)_11.95_20200309	100	88
580-93336-13	B3 (JPHC)_13.00_20200309	101	85
580-93336-14	Tripblank-1_20200309	86	79
580-93336-15	Dup-1_20200309	97	92
LCS 580-324746/34	Lab Control Sample	109	105
LCS 580-324955/6	Lab Control Sample	99	99
LCSD 580-324746/35	Lab Control Sample Dup	104	100
LCSD 580-324955/7	Lab Control Sample Dup	104	108
MB 580-324746/33	Method Blank	100	96
MB 580-324955/5	Method Blank	97	104

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH (50-150)
580-93336-1	MW-2_8.55_20200309	76
580-93336-2	MW-4_15.53_20200309	73
580-93336-3	MW-8_14.18_20200309	75
580-93336-3 MS	MW-8_14.18_20200309	73
580-93336-3 MSD	MW-8_14.18_20200309	78
580-93336-4	MW-9_15.66_20200309	71
580-93336-5	MW-10_14.43_20200309	69
580-93336-6	MW-11_15.73_20200309	66
580-93336-7	MW-12_11.44_20200309	64
580-93336-8	MW-13_11.37_20200309	74
580-93336-9	MW-14_5.40_20200309	80
580-93336-10	MW-15_12.10_20200309	72
580-93336-11	MW-16_12.13_20200309	63
580-93336-11 - RE	MW-16_12.13_20200309	61
580-93336-12	B1 (JPHC)_11.95_20200309	55
580-93336-12 - RE	B1 (JPHC)_11.95_20200309	66
580-93336-13	B3 (JPHC)_13.00_20200309	65
580-93336-13 - RE	B3 (JPHC)_13.00_20200309	74
580-93336-15	Dup-1_20200309	61
580-93336-15 - RE	Dup-1_20200309	71
LCS 580-325257/2-A	Lab Control Sample	67
LCS 580-325333/2-A	Lab Control Sample	30 X
LCS 580-325590/2-A	Lab Control Sample	45 X
LCSD 580-325257/3-A	Lab Control Sample Dup	58
LCSD 580-325333/3-A	Lab Control Sample Dup	57
LCSD 580-325590/3-A	Lab Control Sample Dup	66
MB 580-325257/1-A	Method Blank	75
MB 580-325333/1-A	Method Blank	40 X
MB 580-325590/1-A	Method Blank	55

Surrogate Summary

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

Job ID: 580-93336-1

Surrogate Legend

OTPH = o-Terphenyl

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

Lab Sample ID: MB 580-325027/7
Matrix: Water
Analysis Batch: 325027

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			03/17/20 22:32	1
Benzene	ND		3.0		ug/L			03/17/20 22:32	1
Toluene	ND		2.0		ug/L			03/17/20 22:32	1
Ethylbenzene	ND		3.0		ug/L			03/17/20 22:32	1
Xylenes, Total	ND		3.0		ug/L			03/17/20 22:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*101*		*80 - 120*		*03/17/20 22:32*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/20 22:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 126*		*03/17/20 22:32*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/17/20 22:32*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/17/20 22:32*	*1*

Lab Sample ID: LCS 580-325027/4
Matrix: Water
Analysis Batch: 325027

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	10.0	10.9		ug/L		109	72 - 130
Benzene	10.0	10.1		ug/L		101	75 - 121
Toluene	10.0	10.1		ug/L		101	80 - 120
Ethylbenzene	10.0	10.6		ug/L		106	80 - 120
m-Xylene & p-Xylene	10.0	10.7		ug/L		107	80 - 120
o-Xylene	10.0	10.6		ug/L		106	80 - 120
Xylenes, Total	20.0	21.3		ug/L		107	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 126*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-325027/5
Matrix: Water
Analysis Batch: 325027

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	10.0	10.6		ug/L		106	72 - 130	3	18
Benzene	10.0	10.1		ug/L		101	75 - 121	0	14
Toluene	10.0	10.4		ug/L		104	80 - 120	3	19
Ethylbenzene	10.0	10.7		ug/L		107	80 - 120	2	14
m-Xylene & p-Xylene	10.0	10.7		ug/L		107	80 - 120	0	14
o-Xylene	10.0	10.9		ug/L		109	80 - 120	3	16
Xylenes, Total	20.0	21.6		ug/L		108	80 - 120	1	16

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

Lab Sample ID: LCSD 580-325027/5
Matrix: Water
Analysis Batch: 325027

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 126*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

Lab Sample ID: 580-93336-3 MS
Matrix: Water
Analysis Batch: 325027

Client Sample ID: MW-8_14.18_20200309
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	F2 F1	10.0	5.12	F1	ug/L		51	72 - 130
Benzene	ND	F2 F1	10.0	5.91	F1	ug/L		59	75 - 121
Toluene	ND	F2 F1	10.0	5.29	F1	ug/L		53	80 - 120
Ethylbenzene	ND	F2 F1	10.0	5.03	F1	ug/L		50	80 - 120
m-Xylene & p-Xylene	ND	F2 F1	10.0	4.83	F1	ug/L		48	80 - 120
o-Xylene	ND	F2 F1	10.0	4.84	F1	ug/L		48	80 - 120
Xylenes, Total	ND	F2 F1	20.0	9.67	F1	ug/L		48	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Trifluorotoluene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 126*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*

Lab Sample ID: 580-93336-3 MSD
Matrix: Water
Analysis Batch: 325027

Client Sample ID: MW-8_14.18_20200309
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	F2 F1	10.0	3.40	F1 F7	ug/L		34	72 - 130	40	18
Benzene	ND	F2 F1	10.0	4.29	F1 F7	ug/L		43	75 - 121	32	14
Toluene	ND	F2 F1	10.0	4.04	F1 F7	ug/L		40	80 - 120	27	19
Ethylbenzene	ND	F2 F1	10.0	3.57	F1 F7	ug/L		36	80 - 120	34	14
m-Xylene & p-Xylene	ND	F2 F1	10.0	3.44	F1 F7	ug/L		34	80 - 120	34	14
o-Xylene	ND	F2 F1	10.0	3.42	F1 F7	ug/L		34	80 - 120	35	16
Xylenes, Total	ND	F2 F1	20.0	6.86	F1 F7	ug/L		34	80 - 120	34	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Trifluorotoluene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 126*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

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

Lab Sample ID: MB 580-325138/19
Matrix: Water
Analysis Batch: 325138

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			03/19/20 01:01	1
Benzene	ND		3.0		ug/L			03/19/20 01:01	1
Toluene	ND		2.0		ug/L			03/19/20 01:01	1
Ethylbenzene	ND		3.0		ug/L			03/19/20 01:01	1
Xylenes, Total	ND		3.0		ug/L			03/19/20 01:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluorotoluene (Surr)	*101*		*80 - 120*		*03/19/20 01:01*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/19/20 01:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 126*		*03/19/20 01:01*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/19/20 01:01*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*03/19/20 01:01*	*1*

Lab Sample ID: LCS 580-325138/16
Matrix: Water
Analysis Batch: 325138

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	10.0	10.1		ug/L		101	72 - 130
Benzene	10.0	10.4		ug/L		104	75 - 121
Toluene	10.0	10.1		ug/L		101	80 - 120
Ethylbenzene	10.0	10.2		ug/L		102	80 - 120
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	80 - 120
o-Xylene	10.0	10.2		ug/L		102	80 - 120
Xylenes, Total	20.0	20.4		ug/L		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluorotoluene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 126*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 580-325138/17
Matrix: Water
Analysis Batch: 325138

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	10.0	10.4		ug/L		104	72 - 130	3	18
Benzene	10.0	10.2		ug/L		102	75 - 121	1	14
Toluene	10.0	10.0		ug/L		100	80 - 120	1	19
Ethylbenzene	10.0	10.2		ug/L		102	80 - 120	0	14
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	80 - 120	1	14
o-Xylene	10.0	10.1		ug/L		101	80 - 120	1	16
Xylenes, Total	20.0	20.2		ug/L		101	80 - 120	1	16

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

Lab Sample ID: LCSD 580-325138/17
Matrix: Water
Analysis Batch: 325138

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Trifluorotoluene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 126*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 580-324746/33
Matrix: Water
Analysis Batch: 324746

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			03/13/20 01:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*50 - 150*		*03/13/20 01:12*	*1*
Trifluorotoluene (Surr)	*96*		*50 - 150*		*03/13/20 01:12*	*1*

Lab Sample ID: LCS 580-324746/34
Matrix: Water
Analysis Batch: 324746

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	982		ug/L		98	79 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*109*		*50 - 150*
Trifluorotoluene (Surr)	*105*		*50 - 150*

Lab Sample ID: LCSD 580-324746/35
Matrix: Water
Analysis Batch: 324746

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	956		ug/L		96	79 - 120	3	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*50 - 150*
Trifluorotoluene (Surr)	*100*		*50 - 150*

Lab Sample ID: MB 580-324955/5
Matrix: Water
Analysis Batch: 324955

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			03/16/20 16:30	1

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

Lab Sample ID: MB 580-324955/5
Matrix: Water
Analysis Batch: 324955

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150		03/16/20 16:30	1
Trifluorotoluene (Surr)	104		50 - 150		03/16/20 16:30	1

Lab Sample ID: LCS 580-324955/6
Matrix: Water
Analysis Batch: 324955

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	933		ug/L		93	79 - 120		

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

Lab Sample ID: LCSD 580-324955/7
Matrix: Water
Analysis Batch: 324955

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	998		ug/L		100	79 - 120	7	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		50 - 150
Trifluorotoluene (Surr)	108		50 - 150

Lab Sample ID: 580-93336-3 MS
Matrix: Water
Analysis Batch: 324955

Client Sample ID: MW-8_14.18_20200309
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	ND		1000	1030		ug/L		103	79 - 120		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		50 - 150
Trifluorotoluene (Surr)	103		50 - 150

Lab Sample ID: 580-93336-3 MSD
Matrix: Water
Analysis Batch: 324955

Client Sample ID: MW-8_14.18_20200309
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	ND		1000	1040		ug/L		104	79 - 120	1	10

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		50 - 150
Trifluorotoluene (Surr)	110		50 - 150

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

Lab Sample ID: MB 580-325257/1-A
Matrix: Water
Analysis Batch: 325350

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		03/20/20 10:14	03/20/20 21:55	1
Motor Oil (>C24-C36)	ND		350		ug/L		03/20/20 10:14	03/20/20 21:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*03/20/20 10:14*	*03/20/20 21:55*	*1*

Lab Sample ID: LCS 580-325257/2-A
Matrix: Water
Analysis Batch: 325350

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1660		ug/L		83	50 - 120
Motor Oil (>C24-C36)	2000	1750		ug/L		88	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*67*		*50 - 150*

Lab Sample ID: LCSD 580-325257/3-A
Matrix: Water
Analysis Batch: 325350

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 325257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1430		ug/L		72	50 - 120	15	26
Motor Oil (>C24-C36)	2000	1600		ug/L		80	64 - 120	9	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*58*		*50 - 150*

Lab Sample ID: 580-93336-3 MS
Matrix: Water
Analysis Batch: 325350

Client Sample ID: MW-8_14.18_20200309
Prep Type: Total/NA
Prep Batch: 325257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	110		2060	1840		ug/L		84	50 - 120
Motor Oil (>C24-C36)	ND		2060	2130		ug/L		92	64 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*73*		*50 - 150*

Lab Sample ID: 580-93336-3 MSD
Matrix: Water
Analysis Batch: 325350

Client Sample ID: MW-8_14.18_20200309
Prep Type: Total/NA
Prep Batch: 325257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	110		2040	1940		ug/L		89	50 - 120	5	26
Motor Oil (>C24-C36)	ND		2040	2190		ug/L		96	64 - 120	3	24

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

Lab Sample ID: 580-93336-3 MSD
Matrix: Water
Analysis Batch: 325350

Client Sample ID: MW-8_14.18_20200309
Prep Type: Total/NA
Prep Batch: 325257

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	*78*		*50 - 150*

Lab Sample ID: MB 580-325333/1-A
Matrix: Water
Analysis Batch: 325410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		03/21/20 10:55	03/23/20 22:56	1
Motor Oil (>C24-C36)	ND		350		ug/L		03/21/20 10:55	03/23/20 22:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*40*	*X*	*50 - 150*	*03/21/20 10:55*	*03/23/20 22:56*	*1*

Lab Sample ID: LCS 580-325333/2-A
Matrix: Water
Analysis Batch: 325410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325333

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)			2000	645	*	ug/L		32	50 - 120		
Motor Oil (>C24-C36)			2000	734	*	ug/L		37	64 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	*30*	*X*	*50 - 150*

Lab Sample ID: LCSD 580-325333/3-A
Matrix: Water
Analysis Batch: 325410

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 325333

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			2000	1360	*1	ug/L		68	50 - 120	71	26
Motor Oil (>C24-C36)			2000	1430	*1	ug/L		72	64 - 120	65	24

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	*57*		*50 - 150*

Lab Sample ID: MB 580-325590/1-A
Matrix: Water
Analysis Batch: 325783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325590

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		03/26/20 10:14	03/29/20 17:20	1
Motor Oil (>C24-C36)	ND		350		ug/L		03/26/20 10:14	03/29/20 17:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*55*		*50 - 150*	*03/26/20 10:14*	*03/29/20 17:20*	*1*

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

Lab Sample ID: LCS 580-325590/2-A
Matrix: Water
Analysis Batch: 325783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325590

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)			2000	1390		ug/L		69	50 - 120		
Motor Oil (>C24-C36)			2000	1640		ug/L		82	64 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*45*	*X*	*50 - 150*

Lab Sample ID: LCSD 580-325590/3-A
Matrix: Water
Analysis Batch: 325783

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 325590

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			2000	1470		ug/L		73	50 - 120	6	26
Motor Oil (>C24-C36)			2000	1720		ug/L		86	64 - 120	5	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*66*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-324656/24-A
Matrix: Water
Analysis Batch: 324775

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 324656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/11/20 12:26	03/12/20 11:45	5

Lab Sample ID: LCS 580-324656/25-A
Matrix: Water
Analysis Batch: 324775

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 324656

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	919		ug/L		92	80 - 120		

Lab Sample ID: LCSD 580-324656/26-A
Matrix: Water
Analysis Batch: 324775

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 324656

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1000	936		ug/L		94	80 - 120	2	20

Lab Sample ID: 580-93336-3 MS
Matrix: Water
Analysis Batch: 324775

Client Sample ID: MW-8_14.18_20200309
Prep Type: Total Recoverable
Prep Batch: 324656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	ND		1000	867		ug/L		87	80 - 120		

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

Lab Sample ID: 580-93336-3 MSD
Matrix: Water
Analysis Batch: 324775

Client Sample ID: MW-8_14.18_20200309
Prep Type: Total Recoverable
Prep Batch: 324656

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	863		ug/L		86	80 - 120	1	20

Lab Sample ID: 580-93336-3 DU
Matrix: Water
Analysis Batch: 324775

Client Sample ID: MW-8_14.18_20200309
Prep Type: Total Recoverable
Prep Batch: 324656

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 580-324753/25-A
Matrix: Water
Analysis Batch: 324949

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 324753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.80		ug/L		03/12/20 15:55	03/13/20 14:38	1

Lab Sample ID: LCS 580-324753/26-A
Matrix: Water
Analysis Batch: 324949

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 324753

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	1060		ug/L		106	80 - 120		

Lab Sample ID: LCSD 580-324753/27-A
Matrix: Water
Analysis Batch: 324949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 324753

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1000	1000		ug/L		100	80 - 120	6	20

Lab Sample ID: LCS 580-324604/26-B
Matrix: Water
Analysis Batch: 324775

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 324689

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	939		ug/L		94	80 - 120		

Lab Sample ID: LCSD 580-324604/27-B
Matrix: Water
Analysis Batch: 324775

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 324689

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1000	986		ug/L		99	80 - 120	5	20

Lab Sample ID: MB 580-324604/25-C
Matrix: Water
Analysis Batch: 324775

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 324691

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0		ug/L		03/12/20 07:51	03/12/20 19:31	5

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LCS 580-324604/26-C
Matrix: Water
Analysis Batch: 324775

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 324691

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1000	924		ug/L		92	80 - 120		

Lab Sample ID: LCSD 580-324604/27-C
Matrix: Water
Analysis Batch: 324775

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 324691

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1000	922		ug/L		92	80 - 120	0	20

Lab Sample ID: 580-93336-3 MS
Matrix: Water
Analysis Batch: 324775

Client Sample ID: MW-8_14.18_20200309
Prep Type: Dissolved
Prep Batch: 324691

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	ND		1000	864		ug/L		86	80 - 120		

Lab Sample ID: 580-93336-3 MSD
Matrix: Water
Analysis Batch: 324775

Client Sample ID: MW-8_14.18_20200309
Prep Type: Dissolved
Prep Batch: 324691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	883		ug/L		88	80 - 120	2	20

Lab Sample ID: 580-93336-3 DU
Matrix: Water
Analysis Batch: 324775

Client Sample ID: MW-8_14.18_20200309
Prep Type: Dissolved
Prep Batch: 324691

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: 580-93336-1

GC/MS VOA

Analysis Batch: 325027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-1	MW-2_8.55_20200309	Total/NA	Water	8260D	
580-93336-2	MW-4_15.53_20200309	Total/NA	Water	8260D	
580-93336-3	MW-8_14.18_20200309	Total/NA	Water	8260D	
580-93336-4	MW-9_15.66_20200309	Total/NA	Water	8260D	
580-93336-5	MW-10_14.43_20200309	Total/NA	Water	8260D	
580-93336-6	MW-11_15.73_20200309	Total/NA	Water	8260D	
580-93336-7	MW-12_11.44_20200309	Total/NA	Water	8260D	
580-93336-8	MW-13_11.37_20200309	Total/NA	Water	8260D	
580-93336-9	MW-14_5.40_20200309	Total/NA	Water	8260D	
580-93336-10	MW-15_12.10_20200309	Total/NA	Water	8260D	
580-93336-11	MW-16_12.13_20200309	Total/NA	Water	8260D	
580-93336-14	Tripblank-1_20200309	Total/NA	Water	8260D	
580-93336-15	Dup-1_20200309	Total/NA	Water	8260D	
MB 580-325027/7	Method Blank	Total/NA	Water	8260D	
LCS 580-325027/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-325027/5	Lab Control Sample Dup	Total/NA	Water	8260D	
580-93336-3 MS	MW-8_14.18_20200309	Total/NA	Water	8260D	
580-93336-3 MSD	MW-8_14.18_20200309	Total/NA	Water	8260D	

Analysis Batch: 325138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-12	B1 (JPHC)_11.95_20200309	Total/NA	Water	8260D	
580-93336-13	B3 (JPHC)_13.00_20200309	Total/NA	Water	8260D	
MB 580-325138/19	Method Blank	Total/NA	Water	8260D	
LCS 580-325138/16	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-325138/17	Lab Control Sample Dup	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 324746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-1	MW-2_8.55_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-2	MW-4_15.53_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-4	MW-9_15.66_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-5	MW-10_14.43_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-6	MW-11_15.73_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-7	MW-12_11.44_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-8	MW-13_11.37_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-9	MW-14_5.40_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-10	MW-15_12.10_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-11	MW-16_12.13_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-12	B1 (JPHC)_11.95_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-13	B3 (JPHC)_13.00_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-14	Tripblank-1_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-15	Dup-1_20200309	Total/NA	Water	NWTPH-Gx	
MB 580-324746/33	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-324746/34	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-324746/35	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC VOA

Analysis Batch: 324955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-3	MW-8_14.18_20200309	Total/NA	Water	NWTPH-Gx	
MB 580-324955/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-324955/6	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-324955/7	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
580-93336-3 MS	MW-8_14.18_20200309	Total/NA	Water	NWTPH-Gx	
580-93336-3 MSD	MW-8_14.18_20200309	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 325257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-1	MW-2_8.55_20200309	Total/NA	Water	3510C	
580-93336-2	MW-4_15.53_20200309	Total/NA	Water	3510C	
580-93336-3	MW-8_14.18_20200309	Total/NA	Water	3510C	
580-93336-4	MW-9_15.66_20200309	Total/NA	Water	3510C	
580-93336-5	MW-10_14.43_20200309	Total/NA	Water	3510C	
580-93336-6	MW-11_15.73_20200309	Total/NA	Water	3510C	
580-93336-7	MW-12_11.44_20200309	Total/NA	Water	3510C	
580-93336-8	MW-13_11.37_20200309	Total/NA	Water	3510C	
580-93336-9	MW-14_5.40_20200309	Total/NA	Water	3510C	
580-93336-10	MW-15_12.10_20200309	Total/NA	Water	3510C	
MB 580-325257/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-325257/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-325257/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
580-93336-3 MS	MW-8_14.18_20200309	Total/NA	Water	3510C	
580-93336-3 MSD	MW-8_14.18_20200309	Total/NA	Water	3510C	

Prep Batch: 325333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-11	MW-16_12.13_20200309	Total/NA	Water	3510C	
580-93336-12	B1 (JPHC)_11.95_20200309	Total/NA	Water	3510C	
580-93336-13	B3 (JPHC)_13.00_20200309	Total/NA	Water	3510C	
580-93336-15	Dup-1_20200309	Total/NA	Water	3510C	
MB 580-325333/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-325333/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-325333/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 325350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-1	MW-2_8.55_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-2	MW-4_15.53_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-3	MW-8_14.18_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-4	MW-9_15.66_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-5	MW-10_14.43_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-6	MW-11_15.73_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-7	MW-12_11.44_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-8	MW-13_11.37_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-9	MW-14_5.40_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-10	MW-15_12.10_20200309	Total/NA	Water	NWTPH-Dx	325257
MB 580-325257/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	325257
LCS 580-325257/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	325257

GC Semi VOA (Continued)

Analysis Batch: 325350 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 580-325257/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	325257
580-93336-3 MS	MW-8_14.18_20200309	Total/NA	Water	NWTPH-Dx	325257
580-93336-3 MSD	MW-8_14.18_20200309	Total/NA	Water	NWTPH-Dx	325257

Analysis Batch: 325410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-11	MW-16_12.13_20200309	Total/NA	Water	NWTPH-Dx	325333
580-93336-12	B1 (JPHC)_11.95_20200309	Total/NA	Water	NWTPH-Dx	325333
580-93336-13	B3 (JPHC)_13.00_20200309	Total/NA	Water	NWTPH-Dx	325333
580-93336-15	Dup-1_20200309	Total/NA	Water	NWTPH-Dx	325333
MB 580-325333/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	325333
LCS 580-325333/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	325333
LCSD 580-325333/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	325333

Prep Batch: 325590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-11 - RE	MW-16_12.13_20200309	Total/NA	Water	3510C	
580-93336-12 - RE	B1 (JPHC)_11.95_20200309	Total/NA	Water	3510C	
580-93336-13 - RE	B3 (JPHC)_13.00_20200309	Total/NA	Water	3510C	
580-93336-15 - RE	Dup-1_20200309	Total/NA	Water	3510C	
MB 580-325590/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-325590/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-325590/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 325783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-11 - RE	MW-16_12.13_20200309	Total/NA	Water	NWTPH-Dx	325590
580-93336-12 - RE	B1 (JPHC)_11.95_20200309	Total/NA	Water	NWTPH-Dx	325590
580-93336-13 - RE	B3 (JPHC)_13.00_20200309	Total/NA	Water	NWTPH-Dx	325590
580-93336-15 - RE	Dup-1_20200309	Total/NA	Water	NWTPH-Dx	325590
MB 580-325590/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	325590
LCS 580-325590/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	325590
LCSD 580-325590/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	325590

Metals

Filtration Batch: 324604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-1	MW-2_8.55_20200309	Dissolved	Water	FILTRATION	
580-93336-2	MW-4_15.53_20200309	Dissolved	Water	FILTRATION	
580-93336-3	MW-8_14.18_20200309	Dissolved	Water	FILTRATION	
580-93336-4	MW-9_15.66_20200309	Dissolved	Water	FILTRATION	
580-93336-5	MW-10_14.43_20200309	Dissolved	Water	FILTRATION	
580-93336-6	MW-11_15.73_20200309	Dissolved	Water	FILTRATION	
580-93336-7	MW-12_11.44_20200309	Dissolved	Water	FILTRATION	
580-93336-8	MW-13_11.37_20200309	Dissolved	Water	FILTRATION	
580-93336-9	MW-14_5.40_20200309	Dissolved	Water	FILTRATION	
580-93336-10	MW-15_12.10_20200309	Dissolved	Water	FILTRATION	
580-93336-11	MW-16_12.13_20200309	Dissolved	Water	FILTRATION	
580-93336-12	B1 (JPHC)_11.95_20200309	Dissolved	Water	FILTRATION	
580-93336-13	B3 (JPHC)_13.00_20200309	Dissolved	Water	FILTRATION	

Metals (Continued)

Filtration Batch: 324604 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-15	Dup-1_20200309	Dissolved	Water	FILTRATION	
MB 580-324604/25-C	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-324604/26-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCS 580-324604/26-C	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-324604/27-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
LCSD 580-324604/27-C	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
580-93336-3 MS	MW-8_14.18_20200309	Dissolved	Water	FILTRATION	
580-93336-3 MSD	MW-8_14.18_20200309	Dissolved	Water	FILTRATION	
580-93336-3 DU	MW-8_14.18_20200309	Dissolved	Water	FILTRATION	

Prep Batch: 324656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-1	MW-2_8.55_20200309	Total Recoverable	Water	3005A	
580-93336-2	MW-4_15.53_20200309	Total Recoverable	Water	3005A	
580-93336-3	MW-8_14.18_20200309	Total Recoverable	Water	3005A	
580-93336-4	MW-9_15.66_20200309	Total Recoverable	Water	3005A	
580-93336-5	MW-10_14.43_20200309	Total Recoverable	Water	3005A	
580-93336-6	MW-11_15.73_20200309	Total Recoverable	Water	3005A	
580-93336-7	MW-12_11.44_20200309	Total Recoverable	Water	3005A	
580-93336-8	MW-13_11.37_20200309	Total Recoverable	Water	3005A	
580-93336-9	MW-14_5.40_20200309	Total Recoverable	Water	3005A	
580-93336-10	MW-15_12.10_20200309	Total Recoverable	Water	3005A	
580-93336-11	MW-16_12.13_20200309	Total Recoverable	Water	3005A	
580-93336-12	B1 (JPHC)_11.95_20200309	Total Recoverable	Water	3005A	
580-93336-13	B3 (JPHC)_13.00_20200309	Total Recoverable	Water	3005A	
580-93336-16	Laboratory Blank	Total Recoverable	Water	3005A	
MB 580-324656/24-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-324656/25-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-324656/26-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
580-93336-3 MS	MW-8_14.18_20200309	Total Recoverable	Water	3005A	
580-93336-3 MSD	MW-8_14.18_20200309	Total Recoverable	Water	3005A	
580-93336-3 DU	MW-8_14.18_20200309	Total Recoverable	Water	3005A	

Prep Batch: 324689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 580-324604/26-B	Lab Control Sample	Dissolved	Water	3005A	324604
LCSD 580-324604/27-B	Lab Control Sample Dup	Dissolved	Water	3005A	324604

Prep Batch: 324691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-1	MW-2_8.55_20200309	Dissolved	Water	3005A	324604
580-93336-2	MW-4_15.53_20200309	Dissolved	Water	3005A	324604
580-93336-3	MW-8_14.18_20200309	Dissolved	Water	3005A	324604
580-93336-4	MW-9_15.66_20200309	Dissolved	Water	3005A	324604
580-93336-5	MW-10_14.43_20200309	Dissolved	Water	3005A	324604
580-93336-6	MW-11_15.73_20200309	Dissolved	Water	3005A	324604
580-93336-7	MW-12_11.44_20200309	Dissolved	Water	3005A	324604
580-93336-8	MW-13_11.37_20200309	Dissolved	Water	3005A	324604
580-93336-9	MW-14_5.40_20200309	Dissolved	Water	3005A	324604
580-93336-10	MW-15_12.10_20200309	Dissolved	Water	3005A	324604
580-93336-11	MW-16_12.13_20200309	Dissolved	Water	3005A	324604

Metals (Continued)

Prep Batch: 324691 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-12	B1 (JPHC)_11.95_20200309	Dissolved	Water	3005A	324604
580-93336-13	B3 (JPHC)_13.00_20200309	Dissolved	Water	3005A	324604
580-93336-15	Dup-1_20200309	Dissolved	Water	3005A	324604
MB 580-324604/25-C	Method Blank	Dissolved	Water	3005A	324604
LCS 580-324604/26-C	Lab Control Sample	Dissolved	Water	3005A	324604
LCSD 580-324604/27-C	Lab Control Sample Dup	Dissolved	Water	3005A	324604
580-93336-3 MS	MW-8_14.18_20200309	Dissolved	Water	3005A	324604
580-93336-3 MSD	MW-8_14.18_20200309	Dissolved	Water	3005A	324604
580-93336-3 DU	MW-8_14.18_20200309	Dissolved	Water	3005A	324604

Prep Batch: 324753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-15	Dup-1_20200309	Total Recoverable	Water	3005A	
MB 580-324753/25-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-324753/26-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-324753/27-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 324775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-1	MW-2_8.55_20200309	Dissolved	Water	6020B	324691
580-93336-1	MW-2_8.55_20200309	Total Recoverable	Water	6020B	324656
580-93336-2	MW-4_15.53_20200309	Dissolved	Water	6020B	324691
580-93336-2	MW-4_15.53_20200309	Total Recoverable	Water	6020B	324656
580-93336-3	MW-8_14.18_20200309	Dissolved	Water	6020B	324691
580-93336-3	MW-8_14.18_20200309	Total Recoverable	Water	6020B	324656
580-93336-4	MW-9_15.66_20200309	Dissolved	Water	6020B	324691
580-93336-4	MW-9_15.66_20200309	Total Recoverable	Water	6020B	324656
580-93336-5	MW-10_14.43_20200309	Dissolved	Water	6020B	324691
580-93336-5	MW-10_14.43_20200309	Total Recoverable	Water	6020B	324656
580-93336-6	MW-11_15.73_20200309	Dissolved	Water	6020B	324691
580-93336-6	MW-11_15.73_20200309	Total Recoverable	Water	6020B	324656
580-93336-7	MW-12_11.44_20200309	Dissolved	Water	6020B	324691
580-93336-7	MW-12_11.44_20200309	Total Recoverable	Water	6020B	324656
580-93336-8	MW-13_11.37_20200309	Dissolved	Water	6020B	324691
580-93336-8	MW-13_11.37_20200309	Total Recoverable	Water	6020B	324656
580-93336-9	MW-14_5.40_20200309	Dissolved	Water	6020B	324691
580-93336-9	MW-14_5.40_20200309	Total Recoverable	Water	6020B	324656
580-93336-10	MW-15_12.10_20200309	Dissolved	Water	6020B	324691
580-93336-10	MW-15_12.10_20200309	Total Recoverable	Water	6020B	324656
580-93336-11	MW-16_12.13_20200309	Dissolved	Water	6020B	324691
580-93336-11	MW-16_12.13_20200309	Total Recoverable	Water	6020B	324656
580-93336-12	B1 (JPHC)_11.95_20200309	Dissolved	Water	6020B	324691
580-93336-12	B1 (JPHC)_11.95_20200309	Total Recoverable	Water	6020B	324656
580-93336-13	B3 (JPHC)_13.00_20200309	Dissolved	Water	6020B	324691
580-93336-13	B3 (JPHC)_13.00_20200309	Total Recoverable	Water	6020B	324656
580-93336-15	Dup-1_20200309	Dissolved	Water	6020B	324691
580-93336-16	Laboratory Blank	Total Recoverable	Water	6020B	324656
MB 580-324604/25-C	Method Blank	Dissolved	Water	6020B	324691
MB 580-324656/24-A	Method Blank	Total Recoverable	Water	6020B	324656
LCS 580-324604/26-B	Lab Control Sample	Dissolved	Water	6020B	324689
LCS 580-324604/26-C	Lab Control Sample	Dissolved	Water	6020B	324691

Metals (Continued)

Analysis Batch: 324775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 580-324656/25-A	Lab Control Sample	Total Recoverable	Water	6020B	324656
LCSD 580-324604/27-B	Lab Control Sample Dup	Dissolved	Water	6020B	324689
LCSD 580-324604/27-C	Lab Control Sample Dup	Dissolved	Water	6020B	324691
LCSD 580-324656/26-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	324656
580-93336-3 MS	MW-8_14.18_20200309	Dissolved	Water	6020B	324691
580-93336-3 MS	MW-8_14.18_20200309	Total Recoverable	Water	6020B	324656
580-93336-3 MSD	MW-8_14.18_20200309	Dissolved	Water	6020B	324691
580-93336-3 MSD	MW-8_14.18_20200309	Total Recoverable	Water	6020B	324656
580-93336-3 DU	MW-8_14.18_20200309	Dissolved	Water	6020B	324691
580-93336-3 DU	MW-8_14.18_20200309	Total Recoverable	Water	6020B	324656

Analysis Batch: 324949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-93336-15	Dup-1_20200309	Total Recoverable	Water	6020B	324753
MB 580-324753/25-A	Method Blank	Total Recoverable	Water	6020B	324753
LCS 580-324753/26-A	Lab Control Sample	Total Recoverable	Water	6020B	324753
LCSD 580-324753/27-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	324753

Lab Chronicle

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

Job ID: 580-93336-1

Client Sample ID: MW-2_8.55_20200309

Lab Sample ID: 580-93336-1

Date Collected: 03/09/20 09:30

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/17/20 23:54	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 02:49	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 01:57	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:09	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:25	FCW	TAL SEA

Client Sample ID: MW-4_15.53_20200309

Lab Sample ID: 580-93336-2

Date Collected: 03/09/20 10:20

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 01:43	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 03:13	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 02:17	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:12	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:29	FCW	TAL SEA

Client Sample ID: MW-8_14.18_20200309

Lab Sample ID: 580-93336-3

Date Collected: 03/09/20 12:40

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 02:10	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324955	03/16/20 20:30	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 02:37	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 19:34	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 11:51	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-93336-1

Client Sample ID: MW-9_15.66_20200309

Lab Sample ID: 580-93336-4

Date Collected: 03/09/20 11:40

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 03:31	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 03:37	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 03:38	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:16	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:32	FCW	TAL SEA

Client Sample ID: MW-10_14.43_20200309

Lab Sample ID: 580-93336-5

Date Collected: 03/09/20 12:05

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 03:58	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 04:01	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 03:58	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:19	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:35	FCW	TAL SEA

Client Sample ID: MW-11_15.73_20200309

Lab Sample ID: 580-93336-6

Date Collected: 03/09/20 10:55

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 04:25	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 04:26	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 04:18	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:22	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:38	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-93336-1

Client Sample ID: MW-12_11.44_20200309

Lab Sample ID: 580-93336-7

Date Collected: 03/09/20 16:00

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 04:52	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 09:15	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 04:38	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:25	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:41	FCW	TAL SEA

Client Sample ID: MW-13_11.37_20200309

Lab Sample ID: 580-93336-8

Date Collected: 03/09/20 15:20

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 05:20	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 04:50	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 05:18	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:28	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:44	FCW	TAL SEA

Client Sample ID: MW-14_5.40_20200309

Lab Sample ID: 580-93336-9

Date Collected: 03/09/20 16:45

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 05:47	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 05:38	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 05:38	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:31	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:47	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-93336-1

Client Sample ID: MW-15_12.10_20200309
Lab Sample ID: 580-93336-10
Date Collected: 03/09/20 14:25
Matrix: Water
Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 06:14	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 06:02	DCV	TAL SEA
Total/NA	Prep	3510C			325257	03/20/20 10:14	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325350	03/21/20 05:58	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:35	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 12:51	FCW	TAL SEA

Client Sample ID: MW-16_12.13_20200309
Lab Sample ID: 580-93336-11
Date Collected: 03/09/20 13:20
Matrix: Water
Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/18/20 06:41	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 06:26	DCV	TAL SEA
Total/NA	Prep	3510C			325333	03/21/20 10:55	S1S	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325410	03/24/20 10:59	JCM	TAL SEA
Total/NA	Prep	3510C	RE		325590	03/26/20 10:14	S1S	TAL SEA
Total/NA	Analysis	NWTPH-Dx	RE	1	325783	03/29/20 20:01	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:50	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 11:48	FCW	TAL SEA

Client Sample ID: B1 (JPHC)_11.95_20200309
Lab Sample ID: 580-93336-12
Date Collected: 03/09/20 15:00
Matrix: Water
Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325138	03/19/20 05:31	CJB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 06:50	DCV	TAL SEA
Total/NA	Prep	3510C			325333	03/21/20 10:55	S1S	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325410	03/24/20 10:39	JCM	TAL SEA
Total/NA	Prep	3510C	RE		325590	03/26/20 10:14	S1S	TAL SEA
Total/NA	Analysis	NWTPH-Dx	RE	1	325783	03/29/20 20:21	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:53	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 13:06	FCW	TAL SEA

Client Sample ID: B3 (JPHC)_13.00_20200309

Lab Sample ID: 580-93336-13

Date Collected: 03/09/20 13:50

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325138	03/19/20 05:58	CJB	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 07:14	DCV	TAL SEA
Total/NA	Prep	3510C			325333	03/21/20 10:55	S1S	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325410	03/24/20 10:19	JCM	TAL SEA
Total/NA	Prep	3510C	RE		325590	03/26/20 10:14	S1S	TAL SEA
Total/NA	Analysis	NWTPH-Dx	RE	1	325783	03/29/20 21:01	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 08:41	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 20:57	FCW	TAL SEA
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 13:09	FCW	TAL SEA

Client Sample ID: Tripblank-1_20200309

Lab Sample ID: 580-93336-14

Date Collected: 03/09/20 00:01

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/17/20 22:59	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 02:25	DCV	TAL SEA

Client Sample ID: Dup-1_20200309

Lab Sample ID: 580-93336-15

Date Collected: 03/09/20 00:01

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	325027	03/17/20 23:27	T1W	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	324746	03/13/20 07:38	DCV	TAL SEA
Total/NA	Prep	3510C			325333	03/21/20 10:55	S1S	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	325410	03/24/20 00:57	JCM	TAL SEA
Total/NA	Prep	3510C	RE		325590	03/26/20 10:14	S1S	TAL SEA
Total/NA	Analysis	NWTPH-Dx	RE	1	325783	03/29/20 21:21	JCM	TAL SEA
Dissolved	Filtration	FILTRATION			324604	03/11/20 17:02	A1B	TAL SEA
Dissolved	Prep	3005A			324691	03/12/20 07:51	A1B	TAL SEA
Dissolved	Analysis	6020B		5	324775	03/12/20 21:00	FCW	TAL SEA
Total Recoverable	Prep	3005A			324753	03/12/20 15:49	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324949	03/13/20 14:44	FCW	TAL SEA

Client Sample ID: Laboratory Blank

Lab Sample ID: 580-93336-16

Date Collected: 03/09/20 00:01

Matrix: Water

Date Received: 03/10/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			324656	03/11/20 12:26	ART	TAL SEA
Total Recoverable	Analysis	6020B		5	324775	03/12/20 13:13	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-93336-1

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: 580-93336-1

Laboratory: Eurofins TestAmerica, Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C553	02-18-21

Method Summary

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

Job ID: 580-93336-1

Method	Method Description	Protocol	Laboratory
8260D	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: 580-93336-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-93336-1	MW-2_8.55_20200309	Water	03/09/20 09:30	03/10/20 11:30	
580-93336-2	MW-4_15.53_20200309	Water	03/09/20 10:20	03/10/20 11:30	
580-93336-3	MW-8_14.18_20200309	Water	03/09/20 12:40	03/10/20 11:30	
580-93336-4	MW-9_15.66_20200309	Water	03/09/20 11:40	03/10/20 11:30	
580-93336-5	MW-10_14.43_20200309	Water	03/09/20 12:05	03/10/20 11:30	
580-93336-6	MW-11_15.73_20200309	Water	03/09/20 10:55	03/10/20 11:30	
580-93336-7	MW-12_11.44_20200309	Water	03/09/20 16:00	03/10/20 11:30	
580-93336-8	MW-13_11.37_20200309	Water	03/09/20 15:20	03/10/20 11:30	
580-93336-9	MW-14_5.40_20200309	Water	03/09/20 16:45	03/10/20 11:30	
580-93336-10	MW-15_12.10_20200309	Water	03/09/20 14:25	03/10/20 11:30	
580-93336-11	MW-16_12.13_20200309	Water	03/09/20 13:20	03/10/20 11:30	
580-93336-12	B1 (JPHC)_11.95_20200309	Water	03/09/20 15:00	03/10/20 11:30	
580-93336-13	B3 (JPHC)_13.00_20200309	Water	03/09/20 13:50	03/10/20 11:30	
580-93336-14	Tripblank-1_20200309	Water	03/09/20 00:01	03/10/20 11:30	
580-93336-15	Dup-1_20200309	Water	03/09/20 00:01	03/10/20 11:30	
580-93336-16	Laboratory Blank	Water	03/09/20 00:01	03/10/20 11:30	

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: 93336

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.ES	WR329961/009VH-0006	Washington State Department of Ecology	Address:	2006 148th Ave NE, Redmond, WA 98052
Lab Phone:	253.248.4972	California Global ID No.:	NA	Consultant/Contractor PM:	Eric Sanchez
Lab Shipping Accnt:	NA	Enfos Proposal No:	~~WR329961/009VH-0010~~	Phone: 425-498-7717	Email: Eric.Sanchez@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:	Eric.Sanchez@anteagroup.com
Other Info:	elaine.walker@testamericainc.com	Stage 2_Select (20)	Activity Additional Data Collection (100)	Invoice To:	BP-RM ____ BP/ARC X
BP/RM PM:	Wade Melton				
PM Phone:	360-594-7978				
PM Email:	wade.melton@bp.com				

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

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	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_8.55.20200309	3/9/20	0930	W				G			X	X	X	X	X	X	
	MW-4_15.53.20200309	3/9/20	1030	W				G			X	X	X	X	X	X	
-3	MW-8_14.18_20200309	3/9/20	1240	W				G			X	X	X	X	X	X	MS/D ?
	MW-9_15.66_20200309	3/9/20	1140	W				G			X	X	X	X	X	X	
-5	MW-10_14.43_20200309	3/9/20	1205	W				G			X	X	X	X	X	X	
	MW-11_15.73_20200309	3/9/20	1055	W				G			X	X	X	X	X	X	
-7	MW-12_11.94_20200309	3/9/20	1600	W				G			X	X	X	X	X	X	

TB 3/10/20

Sampler's Name: JL DK

Sampler's Company: Antea Group

Ship Method: Courier Ship Date: 3/10/20

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature] Antea	3/10/20	1130	[signature]	3-10-20	11:30

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

TB 3/10/20 3.8

Therm. ID: IR 4 Cor: 4.0° Unc: 3.4°

Cooler Dsc: 1.0 RK

Packing: Bub

Cust. Seal: Yes ___ No ✓

Blue Ice, Wet, Dry, None

FedEx: ____ UPS: ____ Lab Cour: ✓ Other: ____

580-93336 Chain of Custody

Proprietary and Confidential
Property of BP and its Affiliates

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: 93336

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.ES	WR329961/009VH-0006	Washington State Department of Ecology	Address:	2006 148th Ave NE, Redmond, WA 98052
Lab Phone:	253.248.4972	California Global ID No.:	NA	Consultant/Contractor PM:	Eric Sanchez
Lab Shipping Acct:	NA	Enfos Proposal No:	~~WR329961/009VH-0016~~	Phone: 425-498-7717	Email: Eric.Sanchez@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:	Eric.Sanchez@anteagroup.com
Other Info:	elaine.walker@testamericainc.com	Stage	2_Select (20) Activity Additional Data Collection (100)	Invoice To:	BP-RM _____ BP/ARC ___X___
BP/RM PM:	Wade Melton				
PM Phone:	360-594-7978				
PM Email:	wade.melton@bp.com				

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
	MW-13_11.37_20200309	3/9/20	1520	W				G					X	X	X	X	X	X	
-9	MW-14_5.90_20200309	3/9/20	1645	W				G					X	X	X	X	X	X	
	MW-15_12.10_20200309	3/9/20	1925	W									X	X	X	X	X	X	
-11	MW-16_12.13_20200309	3/9/20	1320	W				G					X	X	X	X	X	X	
	B1 (JPHC)_HA5_20200309	3/9/20	1500	W				G					X	X	X	X	X	X	
-13	B3 (JPHC)_13.00_20200309	3/9/20	1350	W				G					X	X	X	X	X	X	
	Tripblank-1			W									X		X				

Sampler's Name:	JC DK	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Antea Group	Danielle M Kolb	Antea	3/10/20	1130	Cynthia Coon	3-10-20	11:30
Ship Method:	Courier Ship Date: 3/10/20							
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

3/10/20

-15 DUP 1 3/9/20 0600

5.1 4.7 3/10/20

Therm. ID: IR6 Cor: -0.2 Unc: 0.8

Cooler Dsc: Lg Blue

Packing: Bub

Cust. Seal: Yes___No X

Blue Ice, Wet Dry, None

FedEx: _____

UPS: _____

Lab Cour: _____

Other: 3/31/2020

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-93336-1

Login Number: 93336
List Number: 1
Creator: Blankinship, Tom X

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.	False	Received extra samples not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	Refer to Job Narrative for details.
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.: 580-93336-1

SDG No.:

Batch Number: 325027 Batch Start Date: 03/17/20 20:16 Batch Analyst: Wongsakul, Thanaporn 1

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS/TFT 00013	VOAMasterMix 00050	
LCS 580-325027/4		8260D		5 mL	5 mL		2 uL	10 uL	
LCSD 580-325027/5		8260D		5 mL	5 mL		2 uL	10 uL	
MB 580-325027/7		8260D		5 mL	5 mL		2 uL		
580-93336-B-14	Tripblank-1_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-15	Dup-1_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-1	MW-2_8.55_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-2	MW-4_15.53_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-C-3	MW-8_14.18_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-C-3 MS	MW-8_14.18_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL	8.6 uL	
580-93336-C-3 MSD	MW-8_14.18_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL	8.6 uL	
580-93336-B-4	MW-9_15.66_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-5	MW-10_14.43_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-6	MW-11_15.73_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-7	MW-12_11.44_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-8	MW-13_11.37_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-9	MW-14_5.40_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-10	MW-15_12.10_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		
580-93336-B-11	MW-16_12.13_20200309	8260D	T	5 mL	5 mL	<2 SU	2 uL		

Batch Notes	

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.: 580-93336-1

SDG No.:

Batch Number: 325027 Batch Start Date: 03/17/20 20:16 Batch Analyst: Wongsakul, Thanaporn 1

Batch Method: 8260D 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/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-93336-1

SDG No.:

Batch Number: 325138 Batch Start Date: 03/18/20 22:18 Batch Analyst: Bohn, Christina J

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ResidualChloCheck	5X SUR/IS/TFT 00013	VOAMasterMix 00050	
LCS 580-325138/16		8260D		5 mL	5 mL		2 uL	10 uL	
LCSD 580-325138/17		8260D		5 mL	5 mL		2 uL	10 uL	
MB 580-325138/19		8260D		5 mL	5 mL		2 uL		
580-93336-C-12	B1 (JPHC)_11.95_20200309	8260D	T	5 mL	5 mL	<2	2 uL		
580-93336-C-13	B3 (JPHC)_13.00_20200309	8260D	T	5 mL	5 mL	<2	2 uL		

Batch Notes	

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.: 580-93336-1

SDG No.:

Batch Number: 324746 Batch Start Date: 03/12/20 13:59 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 00040	GRO_LCS 00060	TFT Spike 00039
MB 580-324746/33		NWTPH-Gx		5 mL	5 mL		2 uL		10.75 uL
LCS 580-324746/34		NWTPH-Gx		5 mL	5 mL		2 uL	50 uL	
LCSD 580-324746/35		NWTPH-Gx		5 mL	5 mL		2 uL	50 uL	
580-93336-A-14	Tripblank-1_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-1	MW-2_8.55_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-2	MW-4_15.53_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-4	MW-9_15.66_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-5	MW-10_14.43_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-6	MW-11_15.73_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-8	MW-13_11.37_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-9	MW-14_5.40_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-10	MW-15_12.10_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-11	MW-16_12.13_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-12	B1 (JPHC)_11.95_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-13	B3 (JPHC)_13.00_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-15	Dup-1_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-A-7	MW-12_11.44_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	V2.4TFT-EX 00050					
MB 580-324746/33		NWTPH-Gx							

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.: 580-93336-1

SDG No.:

Batch Number: 324746 Batch Start Date: 03/12/20 13:59 Batch Analyst: Vaughan, Dmiitra C

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	V2.4TFT-EX 00050					
LCS 580-324746/34		NWTPH-Gx		2.5 mL					
LCSD 580-324746/35		NWTPH-Gx		2.5 mL					
580-93336-A-14	Tripblank-1_20200309	NWTPH-Gx	T						
580-93336-A-1	MW-2_8.55_20200309	NWTPH-Gx	T						
580-93336-A-2	MW-4_15.53_20200309	NWTPH-Gx	T						
580-93336-A-4	MW-9_15.66_20200309	NWTPH-Gx	T						
580-93336-A-5	MW-10_14.43_20200309	NWTPH-Gx	T						
580-93336-A-6	MW-11_15.73_20200309	NWTPH-Gx	T						
580-93336-A-8	MW-13_11.37_20200309	NWTPH-Gx	T						
580-93336-A-9	MW-14_5.40_20200309	NWTPH-Gx	T						
580-93336-A-10	MW-15_12.10_20200309	NWTPH-Gx	T						
580-93336-A-11	MW-16_12.13_20200309	NWTPH-Gx	T						
580-93336-A-12	B1 (JPHC)_11.95_20200309	NWTPH-Gx	T						
580-93336-A-13	B3 (JPHC)_13.00_20200309	NWTPH-Gx	T						
580-93336-A-15	Dup-1_20200309	NWTPH-Gx	T						
580-93336-A-7	MW-12_11.44_20200309	NWTPH-Gx	T						

Batch Notes	
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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-93336-1

SDG No.:

Batch Number: 324955 Batch Start Date: 03/16/20 15:42 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 00040	GRO_LCS 00060	TFT Spike 00039
MB 580-324955/5		NWTPH-Gx		5 mL	5 mL		2 uL		10.75 uL
LCS 580-324955/6		NWTPH-Gx		5 mL	5 mL		2 uL	50 uL	
LCSD 580-324955/7		NWTPH-Gx		5 mL	5 mL		2 uL	50 uL	
580-93336-B-3	MW-8_14.18_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL		10.75 uL
580-93336-B-3 MS	MW-8_14.18_20200309	NWTPH-Gx	T	5 mL	5 mL	<2.0 SU	2 uL	21.5 uL	10.75 uL
580-93336-B-3 MSD	MW-8_14.18_20200309	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 00050					
MB 580-324955/5		NWTPH-Gx							
LCS 580-324955/6		NWTPH-Gx		2.5 mL					
LCSD 580-324955/7		NWTPH-Gx		2.5 mL					
580-93336-B-3	MW-8_14.18_20200309	NWTPH-Gx	T						
580-93336-B-3 MS	MW-8_14.18_20200309	NWTPH-Gx	T						
580-93336-B-3 MSD	MW-8_14.18_20200309	NWTPH-Gx	T						

Batch Notes	
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.: 580-93336-1

SDG No.:

Batch Number: 325257 Batch Start Date: 03/20/20 10:14 Batch Analyst: Laplace, Richard J

Batch Method: 3510C Batch End Date: 03/20/20 16:24

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-325257/1		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCS 580-325257/2		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCSD 580-325257/3		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
580-93336-G-1	MW-2_8.55_20200309	3510C, NWTPH-Dx	T	00411.20 g	00165.69 g	245.5 mL	1 mL	2 SU	2 SU
580-93336-G-2	MW-4_15.53_20200309	3510C, NWTPH-Dx	T	00413.23 g	00166.30 g	246.9 mL	1 mL	2 SU	2 SU
580-93336-G-3	MW-8_14.18_20200309	3510C, NWTPH-Dx	T	00408.53 g	00166.88 g	241.7 mL	1 mL	2 SU	2 SU
580-93336-G-3 MS	MW-8_14.18_20200309	3510C, NWTPH-Dx	T	00410.75 g	00167.72 g	243 mL	1 mL	2 SU	2 SU
580-93336-H-3 MSD	MW-8_14.18_20200309	3510C, NWTPH-Dx	T	00411.89 g	00167.03 g	244.9 mL	1 mL	2 SU	2 SU
580-93336-G-4	MW-9_15.66_20200309	3510C, NWTPH-Dx	T	00411.48 g	00166.40 g	245.1 mL	1 mL	2 SU	2 SU
580-93336-G-5	MW-10_14.43_20200309	3510C, NWTPH-Dx	T	00406.24 g	00166.62 g	239.6 mL	1 mL	2 SU	2 SU
580-93336-G-6	MW-11_15.73_20200309	3510C, NWTPH-Dx	T	00412.42 g	00166.06 g	246.4 mL	1 mL	2 SU	2 SU
580-93336-G-7	MW-12_11.44_20200309	3510C, NWTPH-Dx	T	00412.32 g	00166.52 g	245.8 mL	1 mL	2 SU	2 SU
580-93336-H-8	MW-13_11.37_20200309	3510C, NWTPH-Dx	T	00413.62 g	00167.09 g	246.5 mL	1 mL	2 SU	2 SU
580-93336-G-9	MW-14_5.40_20200309	3510C, NWTPH-Dx	T	00409.22 g	00167.64 g	241.6 mL	1 mL	2 SU	2 SU
580-93336-G-10	MW-15_12.10_20200309	3510C, NWTPH-Dx	T	00430.30 g	00184.45 g	245.9 mL	1 mL	2 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	TPH_Water_Spk 00023	TPH_WaterSurr 00052				
MB 580-325257/1		3510C, NWTPH-Dx			100 uL				
LCS 580-325257/2		3510C, NWTPH-Dx		100 uL	100 uL				
LCSD 580-325257/3		3510C, NWTPH-Dx		100 uL	100 uL				
580-93336-G-1	MW-2_8.55_20200309	3510C, NWTPH-Dx	T		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.: 580-93336-1

SDG No.:

Batch Number: 325257 Batch Start Date: 03/20/20 10:14 Batch Analyst: Laplace, Richard J

Batch Method: 3510C Batch End Date: 03/20/20 16:24

Lab Sample ID	Client Sample ID	Method Chain	Basis	TPH_Water_Spk 00023	TPH_WaterSurr 00052				
580-93336-G-2	MW-4_15.53_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-3	MW-8_14.18_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-3 MS	MW-8_14.18_20200309	3510C, NWTPH-Dx	T	100 uL	100 uL				
580-93336-H-3 MSD	MW-8_14.18_20200309	3510C, NWTPH-Dx	T	100 uL	100 uL				
580-93336-G-4	MW-9_15.66_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-5	MW-10_14.43_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-6	MW-11_15.73_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-7	MW-12_11.44_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-H-8	MW-13_11.37_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-9	MW-14_5.40_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-10	MW-15_12.10_20200309	3510C, NWTPH-Dx	T		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.: 580-93336-1

SDG No.:

Batch Number: 325257 Batch Start Date: 03/20/20 10:14 Batch Analyst: Laplace, Richard J

Batch Method: 3510C Batch End Date: 03/20/20 16:24

Batch Notes	
Acid Used for pH Adjustment ID	2575438
Balance ID	sea225
Batch Comment	vailed by JM
Analyst ID - Concentration	rjl
Concentration 1 Corrected Temperature	69.2-74.2 Degrees C
Concentration 2 Corrected Temperature	22.1 Degrees C
Equipment ID - Concentration 1	steam bath 1
Equipment ID - Concentration 2	steamvap5
Analyst ID - Extraction	rjl
Filter ID	2588123
Method/Fraction	3510C_LVI_14d
Na2SO4 ID	2581287
pH Indicator ID	6908005
Pipette/Syringe/Dispenser ID	mp3
Prep Solvent ID	2583610
Prep Solvent Volume Used	100 mL
Analyst ID - Spike Analyst	rjl
Analyst ID - Spike Witness Analyst	JM
Sufficient Volume for Batch QC	yes
Thermometer ID - Concentration 1	61013-040-1
Thermometer ID - Concentration 2	digital readout
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	18072413
Reagent Water ID	di

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.: 580-93336-1

SDG No.:

Batch Number: 325333 Batch Start Date: 03/21/20 10:55 Batch Analyst: Salehnia, Sonya 1

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-325333/1		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCS 580-325333/2		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCSD 580-325333/3		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
580-93336-H-15	Dup-1_20200309	3510C, NWTPH-Dx	T	00407.74 g	00166.37 g	241.4 mL	1 mL	2 SU	2 SU
580-93336-G-13	B3 (JPHC)_13.00_20200309	3510C, NWTPH-Dx	T	00425.37 g	00183.42 g	242 mL	1 mL	2 SU	2 SU
580-93336-G-12	B1 (JPHC)_11.95_20200309	3510C, NWTPH-Dx	T	00408.44 g	00167.14 g	241.3 mL	1 mL	2 SU	2 SU
580-93336-H-11	MW-16_12.13_20200309	3510C, NWTPH-Dx	T	00431.65 g	00184.93 g	246.7 mL	1 mL	2 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	TPH_Water_Spk 00023	TPH_WaterSurr 00052				
MB 580-325333/1		3510C, NWTPH-Dx			100 uL				
LCS 580-325333/2		3510C, NWTPH-Dx		100 uL	100 uL				
LCSD 580-325333/3		3510C, NWTPH-Dx		100 uL	100 uL				
580-93336-H-15	Dup-1_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-13	B3 (JPHC)_13.00_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-12	B1 (JPHC)_11.95_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-H-11	MW-16_12.13_20200309	3510C, NWTPH-Dx	T		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.: 580-93336-1

SDG No.:

Batch Number: 325333 Batch Start Date: 03/21/20 10:55 Batch Analyst: Salehnia, Sonya 1

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid Used for pH Adjustment ID	2402720
Balance ID	sea225
Batch Comment	viled by ss
Analyst ID - Concentration	ss
Concentration 1 Corrected Temperature	74.2 Degrees C
Concentration 2 Corrected Temperature	22.1 Degrees C
Equipment ID - Concentration 1	steam bath 1
Equipment ID - Concentration 2	turboovap5
Analyst ID - Extraction	ss
Filter ID	2588123
Method/Fraction	3510C_LVI_14d
Na2SO4 ID	2581287
pH Indicator ID	6908005
Pipette/Syringe/Dispenser ID	mp3
Prep Solvent ID	2583610
Prep Solvent Volume Used	100 mL
Analyst ID - Spike Analyst	ss
Analyst ID - Spike Witness Analyst	APR
Sufficient Volume for Batch QC	yes
Thermometer ID - Concentration 1	61013-040-1
Thermometer ID - Concentration 2	digital read out
Concentration 1 Uncorrected Temperature	75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	18072413
Reagent Water ID	di

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.: 580-93336-1

SDG No.:

Batch Number: 325590 Batch Start Date: 03/26/20 10:14 Batch Analyst: Salehnia, Sonya 1

Batch Method: 3510C Batch End Date: 03/26/20 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-325590/1		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCS 580-325590/2		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCSD 580-325590/3		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
580-93336-G-11	MW-16_12.13_20200309	3510C, NWTPH-Dx	T	00432.34 g	00185.53 g	246.8 mL	1 mL	2 SU	2 SU
580-93336-H-12	B1 (JPHC)_11.95_20200309	3510C, NWTPH-Dx	T	00410.01 g	00166.92 g	243.1 mL	1 mL	2 SU	2 SU
580-93336-H-13	B3 (JPHC)_13.00_20200309	3510C, NWTPH-Dx	T	00430.64 g	00184.69 g	246 mL	1 mL	2 SU	2 SU
580-93336-G-15	Dup-1_20200309	3510C, NWTPH-Dx	T	00415.41 g	00166.35 g	249.1 mL	1 mL	2 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	TPH_Water_Spk 00023	TPH_WaterSurr 00052				
MB 580-325590/1		3510C, NWTPH-Dx			100 uL				
LCS 580-325590/2		3510C, NWTPH-Dx		100 uL	100 uL				
LCSD 580-325590/3		3510C, NWTPH-Dx		100 uL	100 uL				
580-93336-G-11	MW-16_12.13_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-H-12	B1 (JPHC)_11.95_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-H-13	B3 (JPHC)_13.00_20200309	3510C, NWTPH-Dx	T		100 uL				
580-93336-G-15	Dup-1_20200309	3510C, NWTPH-Dx	T		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.: 580-93336-1

SDG No.:

Batch Number: 325590 Batch Start Date: 03/26/20 10:14 Batch Analyst: Salehnia, Sonya 1

Batch Method: 3510C Batch End Date: 03/26/20 16:00

Batch Notes	
Acid Used for pH Adjustment ID	2402720
Balance ID	sea225
Batch Comment	viled by ss
Analyst ID - Concentration	ss
Concentration 1 Corrected Temperature	74.2 Degrees C
Concentration 2 Corrected Temperature	22.1 Degrees C
Equipment ID - Concentration 1	steam bath 1
Equipment ID - Concentration 2	turbovap5
Analyst ID - Extraction	ss
Method/Fraction	3510C_LVI_14d
Na2SO4 ID	2581287
pH Indicator ID	6908005
Pipette/Syringe/Dispenser ID	mp3
Prep Solvent ID	2583610
Prep Solvent Volume Used	100 mL
Analyst ID - Spike Analyst	ss
Analyst ID - Spike Witness Analyst	TL
Sufficient Volume for Batch QC	yes
Thermometer ID - Concentration 1	61013-040-1
Thermometer ID - Concentration 2	digital read out
Concentration 1 Uncorrected Temperature	75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	19228125
Reagent Water ID	di

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.: 580-93336-1

SDG No.:

Batch Number: 324604 Batch Start Date: 03/11/20 08:41 Batch Analyst: Boyer, Alec 1

Batch Method: FILTRATION Batch End Date: 03/12/20 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-93336-I-1	MW-2_8.55_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-2	MW-4_15.53_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-3	MW-8_14.18_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-3 MS	MW-8_14.18_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-3 MSD	MW-8_14.18_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-4	MW-9_15.66_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-5	MW-10_14.43_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-6	MW-11_15.73_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-7	MW-12_11.44_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-8	MW-13_11.37_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-9	MW-14_5.40_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-10	MW-15_12.10_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-11	MW-16_12.13_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-12	B1 (JPHC)_11.95_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-93336-I-13	B3 (JPHC)_13.00_20200309	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
MB 580-324604/25		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCS 580-324604/26		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCSD 580-324604/27		FILTRATION, 3005A, 6020B		250 mL	250 mL				
580-93336-I-15	Dup-1_20200309	FILTRATION, 3005A, 6020B	D	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.: 580-93336-1

SDG No.:

Batch Number: 324604 Batch Start Date: 03/11/20 08:41 Batch Analyst: Boyer, Alec 1

Batch Method: FILTRATION Batch End Date: 03/12/20 09:30

Batch Notes	
Filter ID	16950886
Nitric Acid ID	2376321

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.: 580-93336-1

SDG No.:

Batch Number: 324656 Batch Start Date: 03/11/20 12:26 Batch Analyst: Tubens, Andrea R

Batch Method: 3005A Batch End Date: 03/11/20 20:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00005	ICP CAL 2 00005	MET Spike 3C 00018	
580-93336-J-3	MW-8_14.18_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-3 DU	MW-8_14.18_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-3 MS	MW-8_14.18_20200309	3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-93336-J-3 MSD	MW-8_14.18_20200309	3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-93336-J-1	MW-2_8.55_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-2	MW-4_15.53_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-4	MW-9_15.66_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-5	MW-10_14.43_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-6	MW-11_15.73_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-7	MW-12_11.44_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-8	MW-13_11.37_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-9	MW-14_5.40_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-10	MW-15_12.10_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-11	MW-16_12.13_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-12	B1 (JPHC)_11.95_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-J-13	B3 (JPHC)_13.00_20200309	3005A, 6020B	R	50 mL	50 mL				
580-93336-A-16	Laboratory Blank	3005A, 6020B	R	50 mL	50 mL				
MB 580-324656/24		3005A, 6020B		50 mL	50 mL				
LCS 580-324656/25		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-324656/26		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.: 580-93336-1

SDG No.:

Batch Number: 324656 Batch Start Date: 03/11/20 12:26 Batch Analyst: Tubens, Andrea R

Batch Method: 3005A Batch End Date: 03/11/20 20:38

Batch Notes	
Temperature - Corrected - End	93.3 Degrees C
Temperature - Corrected - Start	93.3 Degrees C
Digestion End Time	03/11/2020 20:38
Digestion Start Time	03/11/2020 16:38
Digestion Unit ID	38008
Hydrochloric Acid ID	2486588
Nitric Acid ID	2376321
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	AT
Sufficient Volume for Batch QC	yes
Thermometer ID	6672358
Digestion Tube/Cup ID	2535260
Temperature - Uncorrected - End	93 Degrees C
Temperature - Uncorrected - Start	93 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.: 580-93336-1

SDG No.:

Batch Number: 324689 Batch Start Date: 03/12/20 07:33 Batch Analyst: Boyer, Alec 1

Batch Method: 3005A Batch End Date: 03/12/20 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00005	ICP CAL 2 00005	MET Spike 3C 00018	
LCS 580-324604/26-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-324604/27-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
Temperature - Corrected - End	93.3 Degrees C
Temperature - Corrected - Start	93.3 Degrees C
Digestion End Time	03/12/2020 11:45
Digestion Start Time	03/12/2020 07:45
Digestion Unit ID	38008
Hydrochloric Acid ID	2486588
Nitric Acid ID	2376321
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	AT
Sufficient Volume for Batch QC	yes
Thermometer ID	6672358
Digestion Tube/Cup ID	2535260
Temperature - Uncorrected - End	93 Degrees C
Temperature - Uncorrected - Start	93 Degrees C

Basis	Basis Description

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.: 580-93336-1

SDG No.:

Batch Number: 324691 Batch Start Date: 03/12/20 07:51 Batch Analyst: Boyer, Alec 1

Batch Method: 3005A Batch End Date: 03/12/20 12:08

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00005	ICP CAL 2 00005	MET Spike 3C 00018	
580-93336-I-3-A	MW-8_14.18_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-3-A DU	MW-8_14.18_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-3-B MS	MW-8_14.18_20200309	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-93336-I-3-C MSD	MW-8_14.18_20200309	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-93336-I-1-A	MW-2_8.55_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-2-A	MW-4_15.53_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-4-A	MW-9_15.66_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-5-A	MW-10_14.43_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-6-A	MW-11_15.73_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-7-A	MW-12_11.44_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-8-A	MW-13_11.37_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-9-A	MW-14_5.40_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-10-A	MW-15_12.10_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-11-A	MW-16_12.13_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-12-A	B1 (JPHC)_11.95_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-13-A	B3 (JPHC)_13.00_20200309	3005A, 6020B	D	50 mL	50 mL				
580-93336-I-15-A	Dup-1_20200309	3005A, 6020B	D	50 mL	50 mL				
MB 580-324604/25-A		3005A, 6020B		50 mL	50 mL				
LCS 580-324604/26-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-324604/27-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.: 580-93336-1

SDG No.:

Batch Number: 324691 Batch Start Date: 03/12/20 07:51 Batch Analyst: Boyer, Alec 1

Batch Method: 3005A Batch End Date: 03/12/20 12:08

Batch Notes	
Temperature - Corrected - End	93.3 Degrees C
Temperature - Corrected - Start	93.3 Degrees C
Digestion End Time	03/12/2020 12:08
Digestion Start Time	03/12/2020 08:08
Digestion Unit ID	38008
Hydrochloric Acid ID	2486588
Nitric Acid ID	2376321
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	AT
Sufficient Volume for Batch QC	yes
Thermometer ID	6672358
Digestion Tube/Cup ID	2535260
Temperature - Uncorrected - End	93 Degrees C
Temperature - Uncorrected - Start	93 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.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-93336-1

SDG No.:

Batch Number: 324753 Batch Start Date: 03/12/20 15:49 Batch Analyst: Tubens, Andrea R

Batch Method: 3005A Batch End Date: 03/12/20 20:23

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00005	ICP CAL 2 00005	MET Spike 3C 00018	
580-93336-J-15	Dup-1_20200309	3005A, 6020B	R	50 mL	50 mL				
MB 580-324753/25		3005A, 6020B		50 mL	50 mL				
LCS 580-324753/26		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-324753/27		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
Temperature - Corrected - End	93.5 Degrees C
Temperature - Corrected - Start	93.5 Degrees C
Digestion End Time	03/12/2020 20:23
Digestion Start Time	03/12/2020 16:23
Digestion Unit ID	38009
Hydrochloric Acid ID	2486588
Nitric Acid ID	2376321
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	AT
Sufficient Volume for Batch QC	yes
Thermometer ID	1108438
Digestion Tube/Cup ID	2535260
Temperature - Uncorrected - End	94 Degrees C
Temperature - Uncorrected - Start	94 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.