Remediation Management Services Company

4 Centerpointe Drive, Suite 200
La Palma, CA 90623
Room LPR 4-222
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wade.melton@bp.com

August 8, 2023

Washington Department of Ecology
Northwest Regional Office
Attn: Ms. Sonia Fernandez
15700 Dayton Avenue North
Shoreline, WA 98133

Dear Ms. Fernandez:

Please find the enclosed Semi-Annual Groundwater Monitoring Report - First Half of 2023, 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 2023

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

PREPARED BY

Antea Group – Redmond, WA
August 8, 2023
Project # WA - 00980 Seattle

us.anteagroup.com

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Semi-Annual Groundwater Monitoring Report

First Half of 2023
ARCO Facility No. 980
10822 Roosevelt Way NE, Seattle, Washington

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 / Brad Jackson, +1 971 777 0241
Consultant Project Number	WA – 00980 Seattle
Ecology Facility Site ID No.	Washington State Department of Ecology FSID # 68996432

WORK PERFORMED DURING FIRST HALF OF 2023

- Antea Group conducted Tier I soil vapor probe sampling on January 27, and July 27, 2023. Results of the soil vapor sampling will be detailed in a separate report.
- Antea Group conducted first quarter groundwater sampling on March 29 and 30, 2023. During this event, Antea Group personnel collected geographic positioning system (GPS) coordinates of each monitoring well location.
- Antea Group oversaw a waste pickup conducted by ACT Enviro on March 30, 2023. Six 55-gallon soil cutting drums and one 55-gallon purge water drum were removed offsite.
- Antea Group oversaw the installation of SG-8 on the adjacent property to the east. Details regarding the installation will be included in the aforementioned report.
- Antea Group conducted a limited second quarter groundwater sampling on June 28, 2023.
- Antea Group prepared this semi-annual groundwater monitoring report.

WORK SCHEDULED FOR SECOND HALF OF 2023

- Antea Group will conduct semi-annual groundwater monitoring activities in the third quarter of 2023 and limited quarterly groundwater monitoring activities in the fourth quarter of 2023.
- Antea Group will prepare a semi-annual groundwater monitoring report.

Current Phase of Project	Monitoring
Frequency of Groundwater Sampling and Monitoring	Site wide semi-annual, limited quarterly
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	Monitored natural attenuation	
Approximate Depth to Groundwater	March 29, 2023 June 28, 2023	1.60 – 16.10 ft. bgs. 13.91 – 16.96 ft bgs.
Groundwater Gradient	March 29, 2023	Southeast 0.097 ft/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

Nathan Han
Project Professional

Date: August 8, 2023

Reviewed by:

Brad Jackson
Senior Project Manager

Date: August 8, 2023

Reviewed by:

State of Washington 3157 Licensed Geologist MEGAN RICHARD

Megan Richard, R.G.
Senior Project Manager

Date: August 8, 2023

cc: Mr. Sonia Fernandez, Department of Ecology, Northwest Regional Office (Electronic Copy)
Mr. Michael Dahlstrom, Owner - Caribbean Apartments (Electronic Copy)
Mr. Eric Yuen, Owner – 1019 NE Northgate Way (Electronic Copy)
Ms. Tracy Tam, Owner – 1019 NE Northgate Way (Electronic Copy)
Mr. Joshua Pope, Montgomery Purdue Blankinship & Austin, PPLC (Electronic Copy)
Mr. Enjay Santos and Ms. Erica Knauf Santos, Knauf Santos Law (Electronic Copy)
Mr. Wade Melton, Remediation Management Services Company (Electronic Copy - RMO upload)
File, Antea Group

CONTACT INFORMATION

18378-B Redmond Way
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Tables

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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	--
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	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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	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	--
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-1	9/28/2020	262.35	1.89	NP	--	260.46	--
MW-1	3/23/2021	262.35	1.32	NP	--	261.03	--
MW-1	9/28/2021	262.35	1.87	NP	--	260.48	--
MW-1	9/7/2022	262.35	2.22	NP	--	260.13	--
MW-1	3/29/2023	262.35	1.60	NP	--	260.75	--
MW-2	10/5/1994	261.52	10.09	NP	--	251.43	--
MW-2	2/15/1995	261.52	9.05	NP	--	252.47	--
MW-2	4/11/1995	261.52	9.05	NP	--	252.47	--
MW-2	7/20/1995	261.52	9.70	NP	--	251.82	--
MW-2	10/25/1995	261.52	9.33	NP	--	252.19	--
MW-2	1/23/1996	261.52	8.22	NP	--	253.30	--
MW-2	4/17/1996	261.52	9.20	NP	--	252.32	--
MW-2	7/8/1996	261.52	9.45	NP	--	252.07	--
MW-2	10/10/1996	261.52	9.53	NP	--	251.99	--
MW-2	3/11/1997	261.52	8.31	NP	--	253.21	--
MW-2	5/29/1997	261.52	5.54	NP	--	255.98	--
MW-2	8/5/1997	261.52	9.40	NP	--	252.12	--
MW-2	10/23/1997	261.52	9.06	NP	--	252.46	--
MW-2	3/11/1998	261.52	12.71	NP	--	248.81	--
MW-2	6/30/1998	261.52	10.17	NP	--	251.35	--
MW-2	9/25/1998	261.52	10.14	NP	--	251.38	--
MW-2	3/9/1999	261.52	11.12	NP	--	250.40	--
MW-2	6/2/1999	261.52	9.66	NP	--	251.86	--
MW-2	9/27/1999	261.52	9.85	NP	--	251.67	--
MW-2	12/20/1999	261.52	8.85	NP	--	252.67	--
MW-2	3/16/2000	261.52	9.53	NP	--	251.99	--
MW-2	6/30/2000	261.52	9.74	NP	--	251.78	--
MW-2	9/27/2000	261.52	9.74	NP	--	251.78	--
MW-2	11/10/2000	261.52	8.80	NP	--	252.72	--
MW-2	3/19/2001	261.52	8.69	NP	--	252.83	--
MW-2	6/27/2001	261.52	9.32	NP	--	252.20	--
MW-2	9/26/2001	261.52	10.20	NP	--	251.32	--
MW-2	12/3/2001	261.52	9.00	NP	--	252.52	--
MW-2	6/6/2002	261.52	9.65	NP	--	251.87	--
MW-2	6/26/2003	261.52	9.68	NP	--	251.84	--
MW-2	12/9/2003	261.52	8.93	NP	--	252.59	--
MW-2	4/7/2004	261.52	8.21	NP	--	253.31	--
MW-2	11/16/2004	261.52	8.36	NP	--	253.16	--
MW-2	3/29/2005	261.52	7.35	NP	--	254.17	--
MW-2	6/22/2005	261.52	8.10	NP	--	253.42	--
MW-2	9/12/2005	261.52	9.01	NP	--	252.51	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	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	--
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-2	9/28/2020	261.52	9.25	NP	--	252.27	--
MW-2	3/23/2021	261.52	8.27	NP	--	253.25	--
MW-2	9/28/2021	261.52	9.09	NP	--	252.43	--
MW-2	9/13/2022	261.52	9.60	NP	--	251.92	--
MW-2	3/29/2023	261.52	8.29	NP	--	253.23	--
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	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	10/25/1995	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	--
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	--
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	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-3	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-3	9/28/2020	261.47	9.40	NP	--	252.07	--
MW-3	3/23/2021	261.47	3.08	NP	--	258.39	--
MW-3	9/28/2021	261.47	9.69	NP	--	251.78	--
MW-3	9/7/2022	261.47	10.03	NP	--	251.44	--
MW-3	3/29/2023	261.47	8.73	NP	--	252.74	--
MW-4	10/5/1994	--	19.69	19.50	0.19	--	--
MW-4	2/15/1995	--	18.60	14.89	3.71	--	--
MW-4	4/10/1995	--	16.90	16.53	0.37	--	--
MW-4	10/25/1995	--	18.24	NP	--	--	--
MW-4	1/23/1996	--	15.37	NP	--	--	--
MW-4	4/17/1996	--	16.80	NP	--	--	--
MW-4	7/8/1996	--	15.29	NP	--	--	--
MW-4	10/10/1996	--	18.55	18.53	0.02	--	--
MW-4	3/11/1997	--	15.59	NP	--	--	--
MW-4	5/29/1997	--	15.65	14.93	0.72	--	--
MW-4	8/5/1997	--	16.39	15.91	0.48	--	--
MW-4	10/23/1997	--	19.72	19.70	0.02	--	--
MW-4	3/11/1998	--	14.74	NP	--	--	--
MW-4	6/30/1998	--	17.57	NP	--	--	--
MW-4	9/25/1998	--	17.80	NP	--	--	--
MW-4	12/29/1998	--	15.73	NP	--	--	--
MW-4	3/9/1999	--	14.70	NP	--	--	--
MW-4	6/2/1999	--	16.21	NP	--	--	--
MW-4	9/27/1999	--	18.58	NP	--	--	--
MW-4	12/20/1999	--	15.40	NP	--	--	--
MW-4	3/16/2000	--	15.85	NP	--	--	--
MW-4	6/30/2000	--	17.65	NP	--	--	--
MW-4	9/27/2000	--	18.25	NP	--	--	--
MW-4	11/10/2000	--	17.36	17.35	0.01	--	--
MW-4	3/19/2001	--	17.39	NP	--	--	--
MW-4	6/27/2001	--	17.83	NP	--	--	--
MW-4	9/26/2001	--	18.27	NP	--	--	--
MW-4	12/3/2001	--	16.05	NP	--	--	--
MW-4	6/6/2002	--	17.41	NP	--	--	--
MW-4	6/26/2003	--	17.56	NP	--	--	--
MW-4	12/9/2003	--	16.40	NP	--	--	--
MW-4	4/7/2004	--	16.53	NP	--	--	--
MW-4	11/16/2004	--	17.20	17.10	0.10	--	--
MW-4	3/29/2005	261.16	15.06	NP	--	246.10	--
MW-4	6/22/2005	261.16	16.97	NP	--	244.19	--
MW-4	9/12/2005	261.16	18.09	NP	--	243.07	--
MW-4	12/6/2005	261.16	16.75	NP	--	244.41	--
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	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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	4/3/2008	261.16	22.96	NP	--	238.20	--
MW-4	7/2/2008	261.16	20.43	NP	--	240.73	--
MW-4	10/3/2008	261.16	24.98	NP	--	236.18	--
MW-4	1/5/2009	261.16	21.07	NP	--	240.09	--
MW-4	4/8/2009	261.16	24.52	NP	--	236.64	--
MW-4	7/8/2009	261.16	18.37	NP	--	242.79	--
MW-4	10/6/2009	261.16	18.85	NP	--	242.31	--
MW-4	1/5/2010	261.16	16.52	NP	--	244.64	--
MW-4	5/25/2010	261.16	17.11	NP	--	244.05	--
MW-4	8/19/2010	261.16	18.00	NP	--	243.16	--
MW-4	12/7/2010	261.16	16.60	NP	--	244.56	--
MW-4	1/26/2011	261.16	15.32	NP	--	245.84	--
MW-4	6/16/2011	261.16	16.72	NP	--	244.44	--
MW-4	9/22/2011	261.16	20.26	NP	--	240.90	--
MW-4	12/6/2011	261.16	21.94	NP	--	239.22	--
MW-4	3/8/2012	261.16	17.42	NP	--	243.74	--
MW-4	6/19/2012	261.16	17.22	NP	--	243.94	--
MW-4	9/21/2012	261.16	18.25	NP	--	242.91	--
MW-4	12/11/2012	261.16	15.80	NP	--	245.36	--
MW-4	6/25/2013	261.16	17.15	NP	--	244.01	--
MW-4	9/25/2013	261.16	17.88	NP	--	243.28	--
MW-4	11/14/2013	261.16	17.32	NP	--	243.84	--
MW-4	2/12/2014	261.16	16.80	NP	--	244.36	--
MW-4	4/2/2014	261.16	14.55	NP	--	246.61	--
MW-4	7/10/2014	261.16	17.24	NP	--	243.92	--
MW-4	10/22/2014	261.16	17.44	NP	--	243.72	--
MW-4	1/20/2015	261.16	15.72	NP	--	245.44	--
MW-4	12/16/2015	261.16	15.04	NP	--	246.12	--
MW-4	3/11/2016	261.16	14.24	NP	--	246.92	--
MW-4	8/29/2016	261.16	18.04	NP	--	243.12	--
MW-4	11/21/2016	261.16	15.31	NP	--	245.85	--
MW-4	2/15/2017	261.16	14.20	NP	--	246.96	--
MW-4	5/26/2017	261.16	15.21	NP	--	245.95	--
MW-4	10/17/2017	261.16	17.98	NP	--	243.18	--
MW-4	2/8/2018	261.16	14.25	NP	--	246.91	--
MW-4	9/11/2018	261.16	17.85	NP	--	243.31	--
MW-4	11/15/2018	261.16	17.40	NP	--	243.76	--
MW-4	1/29/2019	261.16	15.93	NP	--	245.23	--
MW-4	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-4	9/28/2020	261.16	17.59	NP	--	243.57	--
MW-4	3/23/2021	261.16	15.37	NP	--	245.79	--
MW-4	9/28/2021	261.16	18.02	NP	--	243.14	--
MW-4	11/8/2021	261.16	16.31	NP	--	244.85	--
MW-4	12/13/2021	261.16	14.97	NP	--	246.19	--
MW-4	12/13/2021	261.16	14.97	NP	--	246.19	--
MW-4	3/30/2022	261.16	15.29	NP	--	245.87	--
MW-4	6/27/2022	261.16	15.77	NP	--	245.39	--
MW-4	9/7/2022	261.16	18.11	NP	--	243.05	--
MW-4	3/29/2023	261.16	15.94	NP	--	245.22	--
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	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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	1/23/1996	--	15.30	NP	--	--	--
MW-5	4/17/1996	--	12.72	NP	--	--	--
MW-5	7/8/1996	--	16.25	NP	--	--	--
MW-5	3/11/1997	261.04	14.80	NP	--	246.24	--
MW-5	5/29/1997	261.04	12.38	NP	--	248.66	--
MW-5	8/5/1997	261.04	15.54	NP	--	245.50	--
MW-5	10/23/1997	261.04	15.29	NP	--	245.75	--
MW-5	3/11/1998	261.04	14.03	NP	--	247.01	--
MW-5	6/30/1998	261.04	13.17	NP	--	247.87	--
MW-5	9/25/1998	261.04	16.79	NP	--	244.25	--
MW-5	12/29/1998	261.04	13.12	NP	--	247.92	--
MW-5	3/9/1999	261.04	10.04	NP	--	251.00	--
MW-5	6/2/1999	261.04	16.11	NP	--	244.93	--
MW-5	9/27/1999	261.04	15.50	NP	--	245.54	--
MW-5	12/20/1999	261.04	15.00	NP	--	246.04	--
MW-5	3/16/2000	261.04	11.39	NP	--	249.65	--
MW-5	6/30/2000	261.04	16.93	NP	--	244.11	--
MW-5	9/27/2000	261.04	17.67	NP	--	243.37	--
MW-5	11/10/2000	261.04	17.10	NP	--	243.94	--
MW-5	3/19/2001	261.04	16.57	NP	--	244.47	--
MW-5	6/27/2001	261.04	16.52	NP	--	244.52	--
MW-5	9/26/2001	261.04	14.22	NP	--	246.82	--
MW-5	12/3/2001	261.04	15.32	NP	--	245.72	--
MW-5	6/26/2003	261.04	16.83	NP	--	244.21	--
MW-5	12/9/2003	261.04	15.59	NP	--	245.45	--
MW-5	4/7/2004	261.04	16.10	NP	--	244.94	--
MW-5	11/16/2004	261.04	16.58	NP	--	244.46	--
MW-5	3/29/2005	261.04	16.03	NP	--	245.01	--
MW-5	6/22/2005	261.04	16.57	NP	--	244.47	--
MW-5	9/12/2005	261.04	17.44	NP	--	243.60	--
MW-5	12/6/2005	261.04	15.86	NP	--	245.18	--
MW-5	6/5/2006	261.04	15.78	NP	--	245.26	--
MW-5	9/29/2006	261.04	23.75	NP	--	237.29	--
MW-5	12/19/2006	261.04	14.58	NP	--	246.46	--
MW-5	9/24/2007	261.04	17.61	NP	--	243.43	--
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 No. 980
10822 Roosevelt Way NE Seattle, Washington 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	--	--	--	--	WI
MW-5	3/9/2020	261.04	14.92	NP	--	246.12	--
MW-5	3/23/2021	261.04	14.25	NP	--	246.79	--
MW-5	9/28/2021	261.04	17.72	NP	--	243.32	--
MW-5	9/7/2022	261.04	17.64	NP	--	243.40	--
MW-5	3/29/2023	261.04	15.28	NP	--	245.76	--
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	--
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	--

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Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-6	9/12/2005	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	--
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-6	9/28/2020	261.72	9.98	NP	--	251.74	--
MW-6	3/23/2021	261.72	8.64	NP	--	253.08	--
MW-6	9/28/2021	261.72	10.16	NP	--	251.56	--
MW-6	9/7/2022	261.72	10.60	NP	--	251.12	--
MW-6	3/29/2023	261.72	8.99	NP	--	252.73	--
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	--
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	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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	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	--
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-7	9/28/2020	261.21	15.10	NP	--	246.11	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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	3/23/2021	261.21	12.98	NP	--	248.23	--
MW-7	9/28/2021	261.21	16.36	NP	--	244.85	--
MW-7	9/7/2022	261.21	16.52	NP	--	244.69	--
MW-7	3/29/2023	261.21	14.43	NP	--	246.78	--
MW-8	10/5/1994	--	18.11	NP	--	--	--
MW-8	2/15/1995	--	15.07	NP	--	--	--
MW-8	4/10/1995	--	15.07	NP	--	--	--
MW-8	7/20/1995	--	16.96	NP	--	--	--
MW-8	10/25/1995	--	16.85	NP	--	--	--
MW-8	1/23/1996	259.58	13.95	NP	--	245.63	--
MW-8	4/17/1996	259.58	15.46	NP	--	244.12	--
MW-8	7/8/1996	259.58	15.89	NP	--	243.69	--
MW-8	10/10/1996	259.58	16.70	NP	--	242.88	--
MW-8	3/11/1997	259.58	14.19	NP	--	245.39	--
MW-8	5/29/1997	259.58	14.41	NP	--	245.17	--
MW-8	8/5/1997	259.58	14.10	NP	--	245.48	--
MW-8	10/23/1997	259.58	14.17	NP	--	245.41	--
MW-8	3/11/1998	259.58	14.00	NP	--	245.58	--
MW-8	6/30/1998	259.58	17.58	NP	--	242.00	--
MW-8	9/25/1998	259.58	17.08	NP	--	242.50	--
MW-8	12/29/1998	259.58	14.49	NP	--	245.09	--
MW-8	3/9/1999	259.58	13.48	NP	--	246.10	--
MW-8	6/2/1999	259.58	15.36	NP	--	244.22	--
MW-8	9/27/1999	259.58	16.79	NP	--	242.79	--
MW-8	12/20/1999	259.58	14.38	NP	--	245.20	--
MW-8	3/16/2000	259.58	14.80	NP	--	244.78	--
MW-8	6/30/2000	259.58	16.35	NP	--	243.23	--
MW-8	9/27/2000	259.58	17.24	NP	--	242.34	--
MW-8	11/10/2000	259.58	16.80	NP	--	242.78	--
MW-8	3/19/2001	259.58	16.05	NP	--	243.53	--
MW-8	6/27/2001	259.58	16.62	NP	--	242.96	--
MW-8	9/26/2001	259.58	17.64	NP	--	241.94	--
MW-8	12/3/2001	259.58	15.17	NP	--	244.41	--
MW-8	6/6/2002	259.58	16.00	NP	--	243.58	--
MW-8	6/26/2003	259.58	16.52	NP	--	243.06	--
MW-8	12/9/2003	259.58	15.45	NP	--	244.13	--
MW-8	4/7/2004	259.58	15.51	NP	--	244.07	--
MW-8	11/16/2004	259.58	16.45	NP	--	243.13	--
MW-8	3/29/2005	259.58	16.08	NP	--	243.50	--
MW-8	6/22/2005	259.58	16.12	NP	--	243.46	--
MW-8	9/12/2005	259.58	17.15	NP	--	242.43	--
MW-8	12/6/2005	259.58	15.80	NP	--	243.78	--
MW-8	6/5/2006	259.58	15.08	NP	--	244.50	--
MW-8	9/24/2007	259.58	17.16	NP	--	242.42	--
MW-8	12/31/2007	259.58	15.00	NP	--	244.58	--
MW-8	1/30/2008	259.58	14.87	NP	--	244.71	--
MW-8	4/2/2008	259.58	18.07	NP	--	241.51	--
MW-8	7/1/2008	259.58	18.34	NP	--	241.24	--
MW-8	10/3/2008	259.58	19.32	NP	--	240.26	--
MW-8	1/6/2009	259.58	18.14	NP	--	241.44	--
MW-8	4/8/2009	259.58	17.70	NP	--	241.88	--
MW-8	7/8/2009	259.58	16.95	NP	--	242.63	--
MW-8	10/6/2009	259.58	17.80	NP	--	241.78	--
MW-8	1/5/2010	259.58	15.11	NP	--	244.47	--
MW-8	5/25/2010	259.58	15.52	NP	--	244.06	--
MW-8	8/19/2010	259.58	16.80	NP	--	242.78	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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	12/7/2010	259.58	15.54	NP	--	244.04	--
MW-8	1/26/2011	259.58	13.80	NP	--	245.78	--
MW-8	6/16/2011	259.58	15.15	NP	--	244.43	--
MW-8	9/22/2011	259.58	18.25	NP	--	241.33	--
MW-8	12/6/2011	259.58	18.16	NP	--	241.42	--
MW-8	3/8/2012	259.58	15.89	NP	--	243.69	--
MW-8	6/19/2012	259.58	12.67	NP	--	246.91	--
MW-8	9/21/2012	259.58	17.20	NP	--	242.38	--
MW-8	12/11/2012	259.58	14.28	NP	--	245.30	--
MW-8	6/26/2013	259.58	15.85	NP	--	243.73	--
MW-8	9/25/2013	259.58	16.98	NP	--	242.60	--
MW-8	11/15/2013	259.58	16.45	NP	--	243.13	--
MW-8	2/13/2014	259.58	15.84	NP	--	243.74	--
MW-8	4/2/2014	259.58	13.65	NP	--	245.93	--
MW-8	7/10/2014	259.58	16.03	NP	--	243.55	--
MW-8	10/21/2014	259.58	16.79	NP	--	242.79	--
MW-8	1/19/2015	259.58	14.35	NP	--	245.23	--
MW-8	6/1/2016	259.58	15.25	NP	--	244.33	--
MW-8	8/29/2016	259.58	17.04	NP	--	242.54	--
MW-8	11/21/2016	259.58	14.69	NP	--	244.89	--
MW-8	2/15/2017	259.58	10.47	NP	--	249.11	--
MW-8	5/26/2017	259.58	12.43	NP	--	247.15	--
MW-8	10/17/2017	259.58	16.62	NP	--	242.96	--
MW-8	2/8/2018	259.58	11.71	NP	--	247.87	--
MW-8	9/11/2018	259.58	16.78	NP	--	242.80	--
MW-8	11/15/2018	259.58	16.66	NP	--	242.92	--
MW-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-8	9/28/2020	259.58	17.10	NP	--	242.48	--
MW-8	3/23/2021	259.58	14.06	NP	--	245.52	--
MW-8	9/28/2021	259.58	17.60	NP	--	241.98	--
MW-8	3/30/2022	259.58	13.70	NP	--	245.88	--
MW-8	9/7/2022	259.58	16.65	NP	--	242.93	--
MW-8	3/29/2023	259.58	14.33	NP	--	245.25	--
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	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-9	3/16/2000	258.96	16.35	NP	--	242.61	--
MW-9	6/30/2000	258.96	18.05	NP	--	240.91	--
MW-9	9/27/2000	258.96	18.87	NP	--	240.09	--
MW-9	11/10/2000	258.96	18.04	NP	--	240.92	--
MW-9	3/19/2001	258.96	17.50	NP	--	241.46	--
MW-9	6/27/2001	258.96	18.08	NP	--	240.88	--
MW-9	9/26/2001	258.96	18.80	NP	--	240.16	--
MW-9	12/3/2001	258.96	16.25	NP	--	242.71	WI
MW-9	6/6/2002	258.96	17.72	NP	--	241.24	--
MW-9	6/26/2003	258.96	18.07	NP	--	240.89	--
MW-9	12/9/2003	258.96	16.51	NP	--	242.45	--
MW-9	4/7/2004	258.96	17.10	NP	--	241.86	--
MW-9	11/16/2004	258.96	17.21	NP	--	241.75	--
MW-9	3/29/2005	258.96	16.81	NP	--	242.15	--
MW-9	6/22/2005	258.96	17.70	NP	--	241.26	--
MW-9	9/12/2005	258.96	18.64	NP	--	240.32	--
MW-9	12/6/2005	258.96	17.10	NP	--	241.86	--
MW-9	6/5/2006	258.96	17.01	NP	--	241.95	--
MW-9	9/24/2007	258.96	18.88	NP	--	240.08	--
MW-9	12/31/2007	258.96	16.57	NP	--	242.39	--
MW-9	1/30/2008	258.96	--	--	--	--	WI
MW-9	4/2/2008	258.96	19.63	NP	--	239.33	--
MW-9	7/1/2008	258.96	19.99	NP	--	238.97	--
MW-9	10/3/2008	258.96	20.74	NP	--	238.22	--
MW-9	1/6/2009	258.96	19.11	NP	--	239.85	--
MW-9	4/8/2009	258.96	18.98	NP	--	239.98	--
MW-9	7/8/2009	258.96	18.55	NP	--	240.41	--
MW-9	10/6/2009	258.96	19.19	NP	--	239.77	--
MW-9	1/5/2010	258.96	15.50	NP	--	243.46	--
MW-9	5/25/2010	258.96	17.17	NP	--	241.79	--
MW-9	8/19/2010	258.96	18.39	NP	--	240.57	--
MW-9	12/7/2010	258.96	16.95	NP	--	242.01	--
MW-9	1/26/2011	258.96	15.18	NP	--	243.78	--
MW-9	6/16/2011	258.96	16.84	NP	--	242.12	--
MW-9	9/22/2011	258.96	19.62	NP	--	239.34	--
MW-9	12/6/2011	258.96	19.14	NP	--	239.82	--
MW-9	3/8/2012	258.96	17.17	NP	--	241.79	--
MW-9	6/19/2012	258.96	17.22	NP	--	241.74	--
MW-9	9/21/2012	258.96	18.54	NP	--	240.42	--
MW-9	12/11/2012	258.96	15.20	NP	--	243.76	--
MW-9	6/26/2013	258.96	17.31	NP	--	241.65	--
MW-9	9/25/2013	258.96	18.23	NP	--	240.73	--
MW-9	11/14/2013	258.96	17.64	NP	--	241.32	--
MW-9	2/14/2014	258.96	16.96	NP	--	242.00	--
MW-9	4/2/2014	258.96	15.05	NP	--	243.91	--
MW-9	7/10/2014	258.96	17.54	NP	--	241.42	--
MW-9	10/21/2014	258.96	17.90	NP	--	241.06	--
MW-9	1/20/2015	258.96	15.88	NP	--	243.08	--
MW-9	12/14/2015	258.96	15.40	NP	--	243.56	--
MW-9	3/10/2016	258.96	14.74	NP	--	244.22	--
MW-9	6/1/2016	258.96	17.06	NP	--	241.90	--
MW-9	8/29/2016	258.96	18.48	NP	--	240.48	--
MW-9	11/21/2016	258.96	15.80	NP	--	243.16	--
MW-9	2/15/2017	258.96	13.94	NP	--	245.02	--
MW-9	5/26/2017	258.96	15.34	NP	--	243.62	--
MW-9	10/17/2017	258.96	18.29	NP	--	240.67	--
MW-9	2/8/2018	258.96	14.09	NP	--	244.87	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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	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-9	9/28/2020	258.96	18.10	NP	--	240.86	--
MW-9	3/23/2021	258.96	15.65	NP	--	243.31	--
MW-9	9/28/2021	258.96	18.47	NP	--	240.49	--
MW-9	9/7/2022	258.96	18.35	NP	--	240.61	--
MW-9	3/29/2023	258.96	16.10	NP	--	242.86	--
MW-10	10/5/1994	256.56	17.52	NP	--	239.04	--
MW-10	2/15/1995	256.56	14.70	NP	--	241.86	--
MW-10	4/10/1995	256.56	14.91	NP	--	241.65	--
MW-10	7/20/1995	256.56	16.67	NP	--	239.89	--
MW-10	10/25/1995	256.56	16.22	NP	--	240.34	--
MW-10	1/23/1996	256.56	13.40	NP	--	243.16	--
MW-10	4/17/1996	256.56	15.27	NP	--	241.29	--
MW-10	7/8/1996	256.56	15.85	NP	--	240.71	--
MW-10	10/10/1996	256.56	16.50	NP	--	240.06	--
MW-10	3/11/1997	256.56	13.91	NP	--	242.65	--
MW-10	5/29/1997	256.56	12.36	NP	--	244.20	--
MW-10	8/5/1997	256.56	16.49	NP	--	240.07	--
MW-10	10/23/1997	256.56	13.82	NP	--	242.74	--
MW-10	3/11/1998	256.56	14.09	NP	--	242.47	--
MW-10	6/30/1998	256.56	16.38	NP	--	240.18	--
MW-10	9/25/1998	256.56	16.69	NP	--	239.87	--
MW-10	12/29/1998	256.56	13.83	NP	--	242.73	--
MW-10	3/9/1999	256.56	13.44	NP	--	243.12	--
MW-10	6/2/1999	256.56	15.31	NP	--	241.25	--
MW-10	9/27/1999	256.56	16.51	NP	--	240.05	--
MW-10	12/20/1999	256.56	13.99	NP	--	242.57	--
MW-10	3/16/2000	256.56	14.60	NP	--	241.96	--
MW-10	6/30/2000	256.56	16.17	NP	--	240.39	--
MW-10	9/27/2000	256.56	17.02	NP	--	239.54	--
MW-10	11/10/2000	256.56	16.02	NP	--	240.54	--
MW-10	3/19/2001	256.56	15.55	NP	--	241.01	--
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 No. 980
10822 Roosevelt Way NE Seattle, Washington 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	--
MW-10	3/9/2020	256.56	14.43	NP	--	242.13	--
MW-10	9/28/2020	256.56	16.49	NP	--	240.07	--
MW-10	3/23/2021	256.56	14.31	NP	--	242.25	--
MW-10	9/28/2021	256.56	16.78	NP	--	239.78	--
MW-10	11/8/2021	256.56	15.16	NP	--	241.40	--
MW-10	12/13/2021	256.56	14.02	NP	--	242.54	--
MW-10	12/13/2021	256.56	14.02	NP	--	242.54	--
MW-10	3/30/2022	256.56	14.43	NP	--	242.13	--
MW-10	6/27/2022	256.56	15.00	NP	--	241.56	--
MW-10	9/7/2022	256.56	16.91	NP	--	239.65	--
MW-10	3/29/2023	256.56	14.71	NP	--	241.85	--
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	247.57	--
MW-11	10/23/1997	261.85	20.04	19.93	0.11	241.89	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-11	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	245.38	--
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	245.53	--
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	243.70	--
MW-11	11/10/2000	261.85	17.28	17.26	0.02	244.59	--
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	245.39	--
MW-11	11/16/2004	261.85	17.00	NP	--	244.85	--
MW-11	3/29/2005	261.85	16.15	NP	--	245.70	--
MW-11	6/22/2005	261.85	17.15	NP	--	244.70	--
MW-11	9/12/2005	261.85	17.99	NP	--	243.86	--
MW-11	12/6/2005	261.85	16.68	NP	--	245.17	--
MW-11	6/5/2006	261.85	16.55	NP	--	245.30	--
MW-11	9/29/2006	261.85	20.90	NP	--	240.95	--
MW-11	12/19/2006	261.85	15.25	NP	--	246.60	--
MW-11	9/24/2007	261.85	14.42	NP	--	247.43	--
MW-11	12/31/2007	261.85	--	--	--	--	WI
MW-11	4/3/2008	261.85	--	--	--	--	WI
MW-11	7/1/2008	261.85	--	--	--	--	WI
MW-11	10/3/2008	261.85	21.82	NP	--	240.03	--
MW-11	1/6/2009	261.85	--	--	--	--	Dry
MW-11	4/8/2009	261.85	19.20	NP	--	242.65	--
MW-11	7/8/2009	261.85	18.09	NP	--	243.76	--
MW-11	10/6/2009	261.85	18.77	NP	--	243.08	--
MW-11	1/5/2010	261.85	16.14	NP	--	245.71	--
MW-11	5/25/2010	261.85	16.56	NP	--	245.29	--
MW-11	8/19/2010	261.85	17.84	NP	--	244.01	--
MW-11	12/7/2010	261.85	16.95	NP	--	244.90	--
MW-11	1/26/2011	261.85	14.91	NP	--	246.94	--
MW-11	6/16/2011	261.85	16.29	NP	--	245.56	--
MW-11	9/22/2011	261.85	20.40	NP	--	241.45	--
MW-11	12/6/2011	261.85	18.11	NP	--	243.74	--
MW-11	3/8/2012	261.85	17.40	NP	--	244.45	--
MW-11	6/19/2012	261.85	16.80	NP	--	245.05	--
MW-11	9/21/2012	261.85	18.15	NP	--	243.70	--
MW-11	12/11/2012	261.85	14.80	NP	--	247.05	--
MW-11	6/27/2013	261.85	16.88	NP	--	244.97	--
MW-11	9/26/2013	261.85	17.90	NP	--	243.95	--
MW-11	11/15/2013	261.85	17.07	NP	--	244.78	--
MW-11	2/13/2014	261.85	16.51	NP	--	245.34	--
MW-11	4/2/2014	261.85	14.52	NP	--	247.33	--
MW-11	7/11/2014	261.85	17.12	NP	--	244.73	--
MW-11	10/22/2014	261.85	17.54	NP	--	244.31	--
MW-11	1/21/2015	261.85	15.60	NP	--	246.25	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-11	12/14/2015	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-11	9/28/2020	261.85	17.72	NP	--	244.13	--
MW-11	3/23/2021	261.85	15.61	NP	--	246.24	--
MW-11	9/28/2021	261.85	18.09	NP	--	243.76	--
MW-11	11/5/2021	261.85	18.09	NP	--	243.76	--
MW-11	9/7/2022	261.85	18.11	NP	--	243.74	--
MW-11	3/29/2023	261.85	15.93	NP	--	245.92	--
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	244.28	--
MW-12	12/20/1999	257.84	11.64	11.24	0.40	246.50	--
MW-12	3/16/2000	257.84	11.75	11.74	0.01	246.10	--
MW-12	6/30/2000	257.84	13.45	NP	--	244.39	--
MW-12	9/27/2000	257.84	14.00	13.84	0.16	243.96	--
MW-12	11/10/2000	257.84	13.28	13.03	0.25	244.75	--
MW-12	3/19/2001	257.84	13.20	13.00	0.20	244.79	--
MW-12	6/27/2001	257.84	13.95	13.92	0.03	243.91	--
MW-12	9/26/2001	257.84	14.10	14.08	0.02	243.76	--
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	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-12	12/31/2007	257.84	12.12	NP	--	245.72	--
MW-12	1/29/2008	257.84	11.92	NP	--	245.92	--
MW-12	4/3/2008	257.84	19.67	NP	--	238.17	--
MW-12	7/1/2008	257.84	17.26	NP	--	240.58	--
MW-12	10/3/2008	257.84	19.78	NP	--	238.06	--
MW-12	1/6/2009	257.84	12.93	NP	--	244.91	--
MW-12	4/8/2009	257.84	17.04	NP	--	240.80	--
MW-12	7/8/2009	257.84	13.67	NP	--	244.17	--
MW-12	10/6/2009	257.84	14.25	NP	--	243.59	--
MW-12	1/6/2010	257.84	12.09	NP	--	245.75	--
MW-12	5/25/2010	257.84	12.37	NP	--	245.47	--
MW-12	8/19/2010	257.84	13.30	NP	--	244.54	--
MW-12	12/7/2010	257.84	12.28	NP	--	245.56	--
MW-12	1/26/2011	257.84	10.83	NP	--	247.01	--
MW-12	6/16/2011	257.84	12.20	NP	--	245.64	--
MW-12	9/22/2011	257.84	16.41	NP	--	241.43	--
MW-12	12/6/2011	257.84	17.17	NP	--	240.67	--
MW-12	3/8/2012	257.84	14.07	NP	--	243.77	--
MW-12	6/19/2012	257.84	12.23	NP	--	245.61	--
MW-12	9/21/2012	257.84	13.63	NP	--	244.21	--
MW-12	12/11/2012	257.84	10.10	NP	--	247.74	--
MW-12	6/27/2013	257.84	12.58	NP	--	245.26	--
MW-12	9/26/2013	257.84	13.45	NP	--	244.39	--
MW-12	11/15/2013	257.84	12.50	NP	--	245.34	--
MW-12	2/13/2014	257.84	12.19	NP	--	245.65	--
MW-12	4/2/2014	257.84	10.28	NP	--	247.56	--
MW-12	7/11/2014	257.84	12.69	NP	--	245.15	--
MW-12	10/22/2014	257.84	13.08	NP	--	244.76	--
MW-12	1/21/2015	257.84	11.59	NP	--	246.25	--
MW-12	12/16/2015	257.84	10.76	NP	--	247.08	--
MW-12	3/11/2016	257.84	10.08	NP	--	247.76	--
MW-12	6/1/2016	257.84	12.51	NP	--	245.33	--
MW-12	8/29/2016	257.84	13.71	NP	--	244.13	--
MW-12	11/21/2016	257.84	11.20	NP	--	246.64	--
MW-12	2/15/2017	257.84	9.90	NP	--	247.94	--
MW-12	4/7/2017	257.84	9.05	NP	--	248.79	--
MW-12	5/26/2017	257.84	11.05	NP	--	246.79	--
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-12	9/28/2020	257.84	13.49	NP	--	244.35	--
MW-12	3/23/2021	257.84	11.47	NP	--	246.37	--
MW-12	9/28/2021	257.84	13.92	NP	--	243.92	--
MW-12	11/8/2021	257.84	12.33	NP	--	245.51	--
MW-12	12/13/2021	257.84	10.87	NP	--	246.97	--
MW-12	12/13/2021	257.84	10.87	NP	--	246.97	--
MW-12	3/30/2022	257.84	11.60	NP	--	246.24	--
MW-12	6/27/2022	257.84	11.51	NP	--	246.33	--
MW-12	9/7/2022	257.84	13.68	NP	--	244.16	--
MW-12	3/29/2023	257.84	11.48	NP	--	246.36	--
MW-13	9/26/2019	258.01	13.34	NP	--	244.67	--
MW-13	3/9/2020	258.01	11.37	NP	--	246.64	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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-13	9/28/2020	258.01	13.36	NP	--	244.65	--
MW-13	3/23/2021	258.01	11.23	NP	--	246.78	--
MW-13	9/28/2021	258.01	13.79	NP	--	244.22	--
MW-13	11/8/2021	258.01	11.89	NP	--	246.12	--
MW-13	3/30/2022	258.01	9.49	NP	--	248.52	--
MW-13	6/27/2022	258.01	10.14	NP	--	247.87	--
MW-13	9/7/2022	258.01	13.40	NP	--	244.61	--
MW-13	3/29/2023	258.01	10.36	NP	--	247.65	--
MW-14	9/26/2019	258.27	6.08	NP	--	252.19	--
MW-14	3/9/2020	258.27	5.40	NP	--	252.87	--
MW-14	9/28/2020	258.27	6.00	NP	--	252.27	--
MW-14	3/23/2021	258.27	5.04	NP	--	253.23	--
MW-14	9/28/2021	--	--	--	--	--	--
MW-14	9/7/2022	258.27	6.50	NP	--	251.77	--
MW-14	3/29/2023	258.27	5.12	NP	--	253.15	--
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-15	9/28/2020	258.25	--	--	--	--	WI
MW-15	3/23/2021	258.25	12.14	NP	--	246.11	--
MW-15	9/28/2021	--	--	--	--	--	--
MW-15	11/8/2021	258.25	12.58	NP	--	245.67	--
MW-15	3/30/2022	258.25	11.94	NP	--	246.31	--
MW-15	6/27/2022	258.25	12.45	NP	--	245.80	--
MW-15	9/7/2022	258.25	14.51	NP	--	243.74	--
MW-15	3/29/2023	258.25	12.37	NP	--	245.88	--
MW-16	9/26/2019	259.53	16.41	NP	--	243.12	--
MW-16	3/9/2020	259.53	12.13	NP	--	247.40	--
MW-16	9/28/2020	259.53	16.48	NP	--	243.05	--
MW-16	3/23/2021	259.53	12.13	NP	--	247.40	--
MW-16	9/28/2021	259.53	17.03	NP	--	242.50	--
MW-17	12/14/2020	253.47	11.10	NP	--	242.37	--
MW-17	3/23/2021	253.47	10.26	NP	--	243.21	--
MW-17	9/28/2021	253.47	12.39	NP	--	241.08	--
MW-17	9/7/2022	253.47	12.68	NP	--	240.79	--
MW-17	3/29/2023	253.47	--	--	--	--	--
MW-18	12/14/2020	249.67	8.47	NP	--	241.20	--
MW-18	3/23/2021	249.67	7.54	NP	--	242.13	--
MW-18	9/28/2021	249.67	10.03	NP	--	239.64	--
MW-18	9/7/2022	249.67	10.25	NP	--	239.42	--
MW-18	3/29/2023	249.67	7.99	NP	--	241.68	--
MW-19	12/14/2020	249.21	8.17	NP	--	241.04	--
MW-19	3/23/2021	249.21	7.21	NP	--	242.00	--
MW-19	9/28/2021	249.21	9.60	NP	--	239.61	--
MW-19	11/8/2021	249.21	7.87	NP	--	241.34	--
MW-19	3/30/2022	249.21	7.38	NP	--	241.83	--
MW-19	6/27/2022	249.21	7.97	NP	--	241.24	--
MW-19	9/7/2022	249.21	9.85	NP	--	239.36	--
MW-19	3/29/2023	249.21	7.65	NP	--	241.56	--
MW-20	9/28/2021	261.36	16.42	NP	--	244.94	--
MW-20	3/30/2022	261.36	13.87	NP	--	247.49	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 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-20	6/27/2022	261.36	14.18	NP	--	247.18	--
MW-20	9/7/2022	261.36	16.09	NP	--	245.27	--
MW-20	3/29/2023	261.36	13.99	NP	--	247.37	--
MW-21	9/28/2021	261.26	10.83	NP	--	250.43	--
MW-21	3/30/2022	261.26	9.23	NP	--	252.03	--
MW-21	9/7/2022	261.26	11.10	NP	--	250.16	--
MW-21	3/29/2023	261.26	9.31	NP	--	251.95	--
MW-23	3/29/2023	260.42	12.10	NP	--	248.32	--
MW-23	6/28/2023	260.42	13.91	NP	--	246.51	--
MW-24	3/29/2023	260.08	15.28	NP	--	244.80	--
MW-24	6/28/2023	260.08	16.96	NP	--	243.12	--
VP-1	10/5/1994	--	15.20	NP	--	--	--
VP-1	2/15/1995	--	12.47	NP	--	--	--
VP-1	4/11/1995	--	13.44	NP	--	--	--
VP-1	7/20/1995	--	14.00	NP	--	--	--
VP-1	10/26/1995	--	14.08	NP	--	--	--
VP-1	1/23/1996	--	11.97	NP	--	--	--
VP-1	4/17/1996	--	12.80	NP	--	--	--
VP-1	7/8/1996	--	11.45	NP	--	--	--
VP-1	10/10/1996	--	14.17	NP	--	--	--
VP-1	3/11/1997	--	12.10	NP	--	--	--
VP-1	5/29/1997	--	11.11	NP	--	--	--
VP-1	8/5/1997	--	12.01	NP	--	--	--
VP-1	10/23/1997	--	14.11	NP	--	--	--
VP-1	3/11/1998	--	9.88	NP	--	--	--
VP-1	6/30/1998	--	14.14	NP	--	--	--
VP-1	9/25/1998	--	14.08	NP	--	--	--
VP-1	12/29/1998	--	11.50	NP	--	--	--
VP-1	3/9/1999	--	10.55	NP	--	--	--
VP-1	6/2/1999	--	12.35	NP	--	--	--
VP-1	9/27/1999	--	13.72	NP	--	--	--
VP-1	12/20/1999	--	11.40	NP	--	--	--
VP-1	3/16/2000	--	12.60	NP	--	--	--
VP-1	6/30/2000	--	13.54	NP	--	--	--
VP-1	9/27/2000	--	14.49	NP	--	--	--
VP-1	11/10/2000	--	13.91	NP	--	--	--
VP-1	3/19/2001	--	13.40	NP	--	--	--
VP-1	6/27/2001	--	13.75	NP	--	--	--
VP-1	9/26/2001	--	14.25	NP	--	--	WI
VP-1	12/3/2001	--	12.48	NP	--	--	--
VP-1	6/6/2002	--	13.30	NP	--	--	--
VP-1	6/26/2003	--	13.85	NP	--	--	--
VP-1	12/9/2003	--	12.70	NP	--	--	--
VP-1	4/7/2004	--	12.43	NP	--	--	--
VP-1	11/16/2004	--	13.15	NP	--	--	--
VP-1	3/29/2005	--	12.40	NP	--	--	--
VP-1	6/22/2005	--	12.98	NP	--	--	--
VP-1	9/12/2005	--	14.05	NP	--	--	--
VP-1	12/6/2005	--	13.65	NP	--	--	--
VP-1	6/5/2006	--	11.81	NP	--	--	--
VP-1	9/29/2006	--	17.48	NP	--	--	--
VP-1	12/19/2006	--	11.17	NP	--	--	--
VP-1	9/24/2007	--	13.87	NP	--	--	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
VP-1	12/31/2007	--	--	--	--	--	WI
VP-1	1/30/2008	--	13.08	NP	--	--	--
VP-1	4/2/2008	--	15.55	NP	--	--	--
VP-1	7/1/2008	--	15.18	NP	--	--	--
VP-1	10/3/2008	--	17.58	NP	--	--	--
VP-1	1/6/2009	--	17.07	NP	--	--	--
VP-1	4/8/2009	--	16.64	NP	--	--	--
VP-1	7/8/2009	--	14.08	NP	--	--	--
VP-1	10/6/2009	--	14.85	NP	--	--	--
VP-1	1/6/2010	--	13.51	NP	--	--	--
VP-1	5/25/2010	--	13.03	NP	--	--	--
VP-1	8/19/2010	--	13.93	NP	--	--	--
VP-1	12/7/2010	--	13.07	NP	--	--	--
VP-1	1/26/2011	--	11.40	NP	--	--	--
VP-1	6/16/2011	--	13.09	NP	--	--	--
VP-1	9/22/2011	--	15.67	NP	--	--	--
VP-1	12/6/2011	--	16.10	NP	--	--	--
VP-1	3/8/2012	--	14.32	NP	--	--	--
VP-1	6/19/2012	--	13.25	NP	--	--	--
VP-1	9/21/2012	--	14.25	NP	--	--	--
VP-1	12/11/2012	--	13.43	NP	--	--	--
VP-1D	6/26/2013	--	13.42	NP	--	--	--
VP-1D	9/26/2013	--	14.11	NP	--	--	--
VP-1D	11/15/2013	--	13.16	NP	--	--	--
VP-1D	2/13/2014	--	13.25	NP	--	--	--
VP-1D	4/1/2014	--	11.98	NP	--	--	--
VP-1D	7/9/2014	--	13.70	NP	--	--	--
VP-1D	10/20/2014	--	13.81	NP	--	--	--
VP-1D	1/19/2015	--	12.02	NP	--	--	--
VP-1D	12/14/2015	--	12.10	NP	--	--	--
VP-1D	3/10/2016	--	9.52	NP	--	--	--
VP-1S	6/26/2013	--	12.89	NP	--	--	--
VP-1S	9/26/2013	--	14.01	NP	--	--	--
VP-1S	11/15/2013	--	13.45	NP	--	--	--
VP-1S	2/12/2014	--	12.97	NP	--	--	--
VP-1S	4/1/2014	--	10.99	NP	--	--	--
VP-1S	7/9/2014	--	13.35	NP	--	--	--
VP-1S	10/20/2014	--	13.71	NP	--	--	--
VP-1S	1/19/2015	--	11.96	NP	--	--	--
VP-2	10/5/1994	--	14.64	NP	--	--	--
VP-2	2/15/1995	--	14.77	NP	--	--	--
VP-2	4/10/1995	--	13.24	NP	--	--	--
VP-2	7/20/1995	--	13.43	NP	--	--	--
VP-2	10/26/1995	--	13.67	NP	--	--	--
VP-2	1/23/1996	--	11.80	NP	--	--	--
VP-2	4/17/1996	--	14.95	NP	--	--	--
VP-2	7/8/1996	--	12.40	NP	--	--	--
VP-2	10/10/1996	--	16.96	NP	--	--	--
VP-2	3/11/1997	--	10.98	NP	--	--	--
VP-2	5/29/1997	--	10.03	NP	--	--	--
VP-2	8/5/1997	--	13.08	NP	--	--	--
VP-2	10/23/1997	--	14.21	NP	--	--	--
VP-2	3/11/1998	--	10.11	NP	--	--	--
VP-2	6/30/1998	--	13.74	NP	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
VP-2	9/25/1998	--	13.67	NP	--	--	--
VP-2	12/29/1998	--	11.00	NP	--	--	--
VP-2	3/9/1999	--	10.19	NP	--	--	--
VP-2	6/2/1999	--	11.99	NP	--	--	--
VP-2	9/27/1999	--	13.55	NP	--	--	--
VP-2	12/20/1999	--	10.97	NP	--	--	--
VP-2	3/16/2000	--	11.66	NP	--	--	--
VP-2	6/30/2000	--	12.76	NP	--	--	--
VP-2	9/27/2000	--	14.68	NP	--	--	--
VP-2	11/10/2000	--	13.79	NP	--	--	--
VP-2	3/19/2001	--	13.70	NP	--	--	--
VP-2	6/27/2001	--	13.10	NP	--	--	--
VP-2	9/26/2001	--	13.86	NP	--	--	WI
VP-2	12/3/2001	--	13.05	NP	--	--	--
VP-2	6/6/2002	--	12.70	NP	--	--	--
VP-2	6/26/2003	--	15.34	NP	--	--	--
VP-2	12/9/2003	--	13.08	NP	--	--	--
VP-2	4/7/2004	--	12.35	NP	--	--	--
VP-2	11/16/2004	--	13.15	NP	--	--	--
VP-2	3/29/2005	--	12.40	NP	--	--	--
VP-2	6/22/2005	--	15.51	NP	--	--	--
VP-2	9/12/2005	--	16.72	NP	--	--	--
VP-2	12/6/2005	--	12.80	NP	--	--	--
VP-2	6/5/2006	--	11.94	NP	--	--	--
VP-2	9/24/2007	--	15.29	NP	--	--	--
VP-2	12/31/2007	--	--	--	--	--	WI
VP-2	1/30/2008	--	14.11	NP	--	--	--
VP-2	4/2/2008	--	16.37	NP	--	--	--
VP-2	7/1/2008	--	13.17	NP	--	--	--
VP-2	10/3/2008	--	14.10	NP	--	--	--
VP-2	1/6/2009	--	17.02	NP	--	--	--
VP-2	4/8/2009	--	13.72	NP	--	--	--
VP-2	9/22/2011	--	16.46	NP	--	--	--
VP-2D	6/26/2013	--	14.43	NP	--	--	--
VP-2D	9/25/2013	--	15.09	NP	--	--	--
VP-2D	11/15/2013	--	14.68	NP	--	--	--
VP-2D	2/13/2014	--	14.20	NP	--	--	--
VP-2D	4/1/2014	--	12.34	NP	--	--	--
VP-2D	7/9/2014	--	14.69	NP	--	--	--
VP-2D	10/20/2014	--	14.96	NP	--	--	--
VP-2D	1/19/2015	--	13.00	NP	--	--	--
VP-2D	12/14/2015	--	12.61	NP	--	--	--
VP-2D	3/10/2016	--	12.62	NP	--	--	--
VP-2S	6/26/2013	--	12.67	NP	--	--	--
VP-2S	9/25/2013	--	13.21	NP	--	--	--
VP-2S	11/15/2013	--	13.05	NP	--	--	--
VP-2S	2/12/2014	--	12.63	NP	--	--	--
VP-2S	4/1/2014	--	11.31	NP	--	--	--
VP-2S	7/9/2014	--	12.07	NP	--	--	--
VP-2S	10/20/2014	--	12.89	NP	--	--	--
VP-2S	1/19/2015	--	11.70	NP	--	--	--
BV-1	4/11/1995	--	6.57	NP	--	--	--
BV-1	7/20/1995	--	7.38	NP	--	--	--
BV-1	10/26/1995	--	6.98	NP	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-1	1/23/1996	--	5.49	NP	--	--	--
BV-1	4/17/1996	--	6.75	NP	--	--	--
BV-1	7/8/1996	--	7.00	NP	--	--	--
BV-1	10/10/1996	--	7.36	NP	--	--	--
BV-1	3/11/1997	--	5.12	NP	--	--	--
BV-1	5/29/1997	--	6.02	NP	--	--	--
BV-1	8/5/1997	--	6.92	NP	--	--	--
BV-1	10/23/1997	--	7.17	NP	--	--	--
BV-1	3/11/1998	--	5.65	NP	--	--	--
BV-1	6/30/1998	--	7.34	NP	--	--	--
BV-1	9/25/1998	--	8.01	NP	--	--	--
BV-1	12/29/1998	--	7.00	NP	--	--	--
BV-1	3/9/1999	--	6.51	NP	--	--	--
BV-1	6/2/1999	--	7.30	NP	--	--	--
BV-1	9/27/1999	--	7.62	NP	--	--	--
BV-1	12/20/1999	--	6.40	NP	--	--	--
BV-1	6/30/2000	--	7.38	NP	--	--	--
BV-1	9/27/2000	--	7.87	NP	--	--	--
BV-1	11/10/2000	--	6.75	NP	--	--	--
BV-1	3/19/2001	--	6.54	NP	--	--	--
BV-1	6/25/2013	--	7.04	NP	--	--	--
BV-1	9/25/2013	--	7.36	NP	--	--	--
BV-1	11/14/2013	--	7.05	NP	--	--	--
BV-1	2/13/2014	--	6.69	NP	--	--	--
BV-1	4/1/2014	--	5.89	NP	--	--	--
BV-1	7/9/2014	--	7.05	NP	--	--	--
BV-1	10/20/2014	--	7.20	NP	--	--	--
BV-1	1/19/2015	--	6.42	NP	--	--	--
BV-2	4/10/1995	--	8.83	NP	--	--	--
BV-2	10/26/1995	--	9.67	NP	--	--	--
BV-2	1/23/1996	--	7.76	NP	--	--	--
BV-2	4/17/1996	--	9.10	NP	--	--	--
BV-2	7/8/1996	--	9.25	NP	--	--	--
BV-2	10/10/1996	--	9.63	NP	--	--	--
BV-2	3/11/1997	--	7.31	NP	--	--	--
BV-2	5/29/1997	--	7.01	NP	--	--	--
BV-2	8/5/1997	--	8.06	NP	--	--	--
BV-2	10/23/1997	--	11.03	NP	--	--	--
BV-2	3/11/1998	--	7.76	NP	--	--	--
BV-2	6/30/1998	--	9.29	NP	--	--	--
BV-2	9/25/1998	--	10.16	NP	--	--	--
BV-2	12/29/1998	--	8.92	NP	--	--	--
BV-2	3/9/1999	--	8.33	NP	--	--	--
BV-2	6/2/1999	--	9.32	NP	--	--	--
BV-2	9/27/1999	--	9.37	NP	--	--	--
BV-2	12/20/1999	--	7.59	NP	--	--	--
BV-2	6/30/2000	--	9.40	NP	--	--	--
BV-2	9/27/2000	--	10.08	NP	--	--	--
BV-2	11/10/2000	--	8.86	NP	--	--	--
BV-2	3/19/2001	--	8.78	NP	--	--	--
BV-2	6/25/2013	--	9.66	NP	--	--	--
BV-2	9/25/2013	--	10.23	NP	--	--	--
BV-2	11/14/2013	--	8.78	NP	--	--	--
BV-2	2/13/2014	--	6.74	NP	--	--	--
BV-2	4/1/2014	--	5.75	NP	--	--	--
BV-2	7/9/2014	--	9.83	NP	--	--	--

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BV-2	10/20/2014	--	10.10	NP	--	--	--
BV-2	1/19/2015	--	8.83	NP	--	--	--
BV-2	12/14/2015	--	7.57	NP	--	--	--
BV-2	3/10/2016	--	5.96	NP	--	--	--
BV-2	3/29/2023	--	8.93	NP	--	--	--
BV-3	3/3/1995	--	11.40	NP	--	--	--
BV-3	4/10/1995	--	11.79	NP	--	--	--
BV-3	7/20/1995	--	11.15	NP	--	--	--
BV-3	10/26/1995	--	11.44	NP	--	--	--
BV-3	1/23/1996	--	10.65	NP	--	--	--
BV-3	4/17/1996	--	6.61	NP	--	--	--
BV-3	7/8/1996	--	10.72	NP	--	--	--
BV-3	10/10/1996	--	8.40	NP	--	--	--
BV-3	3/11/1997	--	12.07	NP	--	--	--
BV-3	5/29/1997	--	9.13	NP	--	--	--
BV-3	8/5/1997	--	9.53	NP	--	--	--
BV-3	10/23/1997	--	9.06	NP	--	--	--
BV-3	3/11/1998	--	7.00	NP	--	--	--
BV-3	6/30/1998	--	7.68	NP	--	--	--
BV-3	9/25/1998	--	8.00	NP	--	--	--
BV-3	12/29/1998	--	9.34	NP	--	--	--
BV-3	3/9/1999	--	5.39	NP	--	--	--
BV-3	6/2/1999	--	12.85	NP	--	--	--
BV-3	9/27/1999	--	9.55	NP	--	--	--
BV-3	12/20/1999	--	9.90	NP	--	--	--
BV-3	3/16/2000	--	8.15	NP	--	--	--
BV-3	6/30/2000	--	12.16	NP	--	--	--
BV-3	9/27/2000	--	14.52	NP	--	--	--
BV-3	11/10/2000	--	13.39	NP	--	--	--
BV-3	3/19/2001	--	13.30	NP	--	--	--
BV-3	6/25/2013	--	14.30	NP	--	--	--
BV-3	9/25/2013	--	15.15	NP	--	--	--
BV-3	11/14/2013	--	14.42	NP	--	--	--
BV-3	2/13/2014	--	13.75	NP	--	--	--
BV-3	4/1/2014	--	12.01	NP	--	--	--
BV-3	7/9/2014	--	14.65	NP	--	--	--
BV-3	10/20/2014	--	14.87	NP	--	--	--
BV-3	1/19/2015	--	13.41	NP	--	--	--
BV-4	4/10/1995	--	--	--	--	--	Dry
BV-4	7/20/1995	--	--	--	--	--	Dry
BV-4	10/26/1995	--	--	--	--	--	Dry
BV-4	1/23/1996	--	9.51	NP	--	--	--
BV-4	4/17/1996	--	--	--	--	--	Dry
BV-4	7/8/1996	--	--	--	--	--	Dry
BV-4	10/10/1996	--	8.35	NP	--	--	--
BV-4	3/11/1997	--	9.96	NP	--	--	--
BV-4	5/29/1997	--	8.40	NP	--	--	--
BV-4	8/5/1997	--	9.40	NP	--	--	--
BV-4	10/23/1997	--	12.16	NP	--	--	--
BV-4	3/11/1998	--	8.86	NP	--	--	--
BV-4	6/30/1998	--	6.54	NP	--	--	--
BV-4	12/29/1998	--	9.01	NP	--	--	--
BV-4	9/27/1999	--	9.58	NP	--	--	--
BV-4	12/20/1999	--	--	--	--	--	Dry
BV-4	3/16/2000	--	6.47	NP	--	--	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 980
10822 Roosevelt Way NE Seattle, Washington 98125

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-4	6/30/2000	--	--	--	--	--	Dry
BV-4	9/27/2000	--	--	--	--	--	Dry
BV-4	11/10/2000	--	--	--	--	--	Dry
BV-4	3/19/2001	--	--	--	--	--	Dry
BV-4	6/25/2013	--	--	--	--	--	Dry
BV-4	9/25/2013	--	--	--	--	--	Dry
BV-4	11/14/2013	--	--	--	--	--	Dry
BV-4	2/13/2014	--	10.02	NP	--	--	--
BV-4	4/1/2014	--	9.09	NP	--	--	--
BV-4	7/9/2014	--	--	--	--	--	Dry
BV-4	10/20/2014	--	--	--	--	--	Dry
BV-4	1/19/2015	--	--	--	--	--	WI
BV-5	3/3/1995	--	9.16	NP	--	--	--
BV-5	4/10/1995	--	9.21	NP	--	--	--
BV-5	7/20/1995	--	9.45	NP	--	--	--
BV-5	10/26/1995	--	9.76	NP	--	--	--
BV-5	1/23/1996	--	8.49	NP	--	--	--
BV-5	4/17/1996	--	9.32	NP	--	--	--
BV-5	7/8/1996	--	10.00	NP	--	--	--
BV-5	10/10/1996	--	10.25	NP	--	--	--
BV-5	3/11/1997	--	7.96	NP	--	--	--
BV-5	5/29/1997	--	6.91	NP	--	--	--
BV-5	8/5/1997	--	9.75	NP	--	--	--
BV-5	10/23/1997	--	9.63	NP	--	--	--
BV-5	3/11/1998	--	--	--	--	--	Dry
BV-5	6/30/1998	--	--	--	--	--	Dry
BV-5	9/25/1998	--	--	--	--	--	Dry
BV-5	12/29/1998	--	10.04	NP	--	--	--
BV-5	3/9/1999	--	--	--	--	--	Dry
BV-5	6/2/1999	--	--	--	--	--	Dry
BV-5	9/27/1999	--	10.41	NP	--	--	--
BV-5	12/20/1999	--	9.30	NP	--	--	--
BV-5	3/16/2000	--	10.00	NP	--	--	--
BV-5	6/30/2000	--	--	--	--	--	Dry
BV-5	9/27/2000	--	--	--	--	--	Dry
BV-5	11/10/2000	--	9.55	NP	--	--	--
BV-5	3/19/2001	--	9.47	NP	--	--	--
BV-5	6/27/2001	--	10.30	NP	--	--	--
BV-5	9/26/2001	--	--	--	--	--	Dry
BV-5	6/25/2013	--	9.31	NP	--	--	--
BV-5	9/25/2013	--	9.60	NP	--	--	--
BV-5	11/14/2013	--	9.21	NP	--	--	--
BV-5	2/13/2014	--	8.91	NP	--	--	--
BV-5	4/1/2014	--	8.31	NP	--	--	--
BV-5	7/9/2014	--	9.39	NP	--	--	--
BV-5	10/20/2014	--	9.55	NP	--	--	--
BV-5	1/19/2015	--	8.76	NP	--	--	--
BV-6	4/10/1995	--	8.68	NP	--	--	--
BV-6	10/26/1995	--	9.13	NP	--	--	--
BV-6	1/23/1996	--	7.77	NP	--	--	--
BV-6	4/17/1996	--	8.88	NP	--	--	--
BV-6	7/8/1996	--	9.10	NP	--	--	--
BV-6	10/10/1996	--	9.30	NP	--	--	--
BV-6	3/11/1997	--	8.05	NP	--	--	--
BV-6	5/29/1997	--	7.90	NP	--	--	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
BV-6	8/5/1997	--	8.19	NP	--	--	--
BV-6	10/23/1997	--	11.27	NP	--	--	--
BV-6	3/11/1998	--	9.58	NP	--	--	--
BV-6	6/30/1998	--	10.32	NP	--	--	--
BV-6	9/25/1998	--	9.82	NP	--	--	--
BV-6	12/29/1998	--	8.94	NP	--	--	--
BV-6	3/9/1999	--	9.38	NP	--	--	--
BV-6	6/2/1999	--	9.25	NP	--	--	--
BV-6	12/20/1999	--	8.48	NP	--	--	--
BV-6	6/30/2000	--	9.38	NP	--	--	--
BV-6	9/27/2000	--	9.85	NP	--	--	--
BV-6	6/25/2013	--	9.19	NP	--	--	--
BV-6	9/25/2013	--	9.48	NP	--	--	--
BV-6	11/14/2013	--	8.99	NP	--	--	--
BV-6	2/13/2014	--	8.63	NP	--	--	--
BV-6	4/1/2014	--	7.72	NP	--	--	--
BV-6	7/9/2014	--	9.22	NP	--	--	--
BV-6	10/20/2014	--	9.34	NP	--	--	--
BV-6	1/19/2015	--	8.43	NP	--	--	--
BV-7	4/10/1995	--	17.11	15.50	1.61	--	--
BV-7	7/20/1995	--	17.97	16.34	1.63	--	--
BV-7	10/25/1995	--	16.45	16.44	0.01	--	--
BV-7	1/23/1996	--	14.79	NP	--	--	--
BV-7	4/17/1996	--	13.87	NP	--	--	--
BV-7	7/8/1996	--	12.00	NP	--	--	--
BV-7	10/10/1996	--	13.92	13.91	0.01	--	--
BV-7	3/11/1997	--	14.98	NP	--	--	--
BV-7	5/29/1997	--	12.06	NP	--	--	--
BV-7	8/5/1997	--	12.67	NP	--	--	--
BV-7	10/23/1997	--	12.54	NP	--	--	--
BV-7	3/11/1998	--	11.60	NP	--	--	--
BV-7	6/30/1998	--	12.74	NP	--	--	--
BV-7	9/25/1998	--	16.02	NP	--	--	--
BV-7	12/29/1998	--	13.03	NP	--	--	--
BV-7	3/9/1999	--	10.05	NP	--	--	--
BV-7	6/2/1999	--	15.26	NP	--	--	--
BV-7	12/20/1999	--	11.88	NP	--	--	--
BV-7	3/16/2000	--	11.65	NP	--	--	--
BV-7	6/30/2000	--	16.58	NP	--	--	--
BV-7	9/27/2000	--	--	--	--	--	Dry
BV-7	11/10/2000	--	16.81	NP	--	--	--
BV-7	3/19/2001	--	16.85	NP	--	--	--
BV-7	6/27/2001	--	16.50	NP	--	--	--
BV-7	9/26/2001	--	14.50	NP	--	--	--
BV-7	6/25/2013	--	14.41	NP	--	--	--
BV-7	9/25/2013	--	15.47	NP	--	--	--
BV-7	11/14/2013	--	14.86	NP	--	--	--
BV-7	2/13/2014	--	14.27	NP	--	--	--
BV-7	4/1/2014	--	11.97	NP	--	--	--
BV-7	7/9/2014	--	14.84	NP	--	--	--
BV-7	10/20/2014	--	15.17	NP	--	--	--
BV-7	1/19/2015	--	13.14	NP	--	--	--
SVE-1	10/5/1994	--	15.37	NP	--	--	--
SVE-1	2/15/1995	--	12.18	NP	--	--	--
SVE-1	4/10/1995	--	12.05	NP	--	--	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
SVE-1	7/20/1995	--	13.95	NP	--	--	--
SVE-1	10/25/1995	--	14.23	NP	--	--	--
SVE-1	1/23/1996	--	11.45	NP	--	--	--
SVE-1	4/17/1996	--	12.38	NP	--	--	--
SVE-1	10/10/1996	--	13.97	NP	--	--	--
SVE-1	3/11/1997	--	12.32	NP	--	--	--
SVE-1	5/29/1997	--	10.19	NP	--	--	--
SVE-1	8/5/1997	--	15.82	NP	--	--	--
SVE-1	10/23/1997	--	11.26	NP	--	--	--
SVE-1	3/11/1998	--	10.27	NP	--	--	--
SVE-1	6/30/1998	--	14.04	NP	--	--	--
SVE-1	9/25/1998	--	14.12	NP	--	--	--
SVE-1	12/29/1998	--	11.99	NP	--	--	--
SVE-1	3/9/1999	--	10.15	NP	--	--	--
SVE-1	6/2/1999	--	12.19	NP	--	--	--
SVE-1	12/20/1999	--	11.65	NP	--	--	--
SVE-1	3/16/2000	--	12.85	NP	--	--	--
SVE-1	6/30/2000	--	13.38	NP	--	--	--
SVE-1	9/27/2000	--	14.62	NP	--	--	--
SVE-1	11/10/2000	--	14.30	NP	--	--	--
SVE-1	3/19/2001	--	13.20	NP	--	--	--
SVE-1	6/27/2001	--	13.70	NP	--	--	--
SVE-1	9/26/2001	--	14.55	NP	--	--	--
SVE-1	12/3/2001	--	12.90	NP	--	--	--
SVE-1	6/6/2002	--	12.85	NP	--	--	--
SVE-1	6/26/2003	--	13.45	NP	--	--	--
SVE-1	12/9/2003	--	13.00	NP	--	--	--
SVE-1	4/7/2004	--	12.33	NP	--	--	--
SVE-1	11/16/2004	--	13.80	NP	--	--	--
SVE-1	12/6/2005	--	13.20	NP	--	--	--
SVE-1	6/5/2006	--	12.23	NP	--	--	--
SVE-1	12/19/2006	--	10.79	NP	--	--	--
SVE-1	9/24/2007	--	14.04	NP	--	--	--
SVE-1	12/31/2007	--	11.60	NP	--	--	--
SVE-1	1/30/2008	--	11.44	NP	--	--	--
SVE-1	4/2/2008	--	14.74	NP	--	--	--
SVE-1	7/1/2008	--	14.52	NP	--	--	--
SVE-1	10/3/2008	--	16.18	NP	--	--	--
SVE-1	1/6/2009	--	15.08	NP	--	--	--
SVE-1	4/8/2009	--	14.42	NP	--	--	--
SVE-1	6/26/2013	--	12.44	NP	--	--	--
SVE-1	9/26/2013	--	14.03	NP	--	--	--
SVE-1	11/15/2013	--	13.48	NP	--	--	--
SVE-1	2/13/2014	--	12.82	NP	--	--	--
SVE-1	4/1/2014	--	9.92	NP	--	--	--
SVE-1	7/9/2014	--	12.69	NP	--	--	--
SVE-1	10/20/2014	--	13.87	NP	--	--	--
SVE-1	1/19/2015	--	11.14	NP	--	--	--
SVE-2	10/5/1994	--	16.85	NP	--	--	--
SVE-2	2/15/1995	--	13.59	NP	--	--	--
SVE-2	4/11/1995	--	13.38	NP	--	--	--
SVE-2	7/20/1995	--	15.40	NP	--	--	--
SVE-2	10/25/1995	--	15.70	NP	--	--	--
SVE-2	1/23/1996	--	12.70	NP	--	--	--
SVE-2	4/17/1996	--	13.77	NP	--	--	--
SVE-2	7/8/1996	--	14.00	NP	--	--	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
SVE-2	10/10/1996	--	15.38	NP	--	--	--
SVE-2	3/11/1997	--	12.52	NP	--	--	--
SVE-2	5/29/1997	--	10.71	NP	--	--	--
SVE-2	8/5/1997	--	16.11	NP	--	--	--
SVE-2	10/23/1997	--	12.62	NP	--	--	--
SVE-2	3/11/1998	--	11.81	NP	--	--	--
SVE-2	6/30/1998	--	15.94	NP	--	--	--
SVE-2	9/25/1998	--	15.57	NP	--	--	--
SVE-2	12/29/1998	--	13.57	NP	--	--	--
SVE-2	3/9/1999	--	11.09	NP	--	--	--
SVE-2	6/2/1999	--	13.56	NP	--	--	--
SVE-2	12/20/1999	--	13.45	NP	--	--	--
SVE-2	3/16/2000	--	13.15	NP	--	--	--
SVE-2	6/30/2000	--	14.75	NP	--	--	--
SVE-2	9/27/2000	--	16.01	NP	--	--	--
SVE-2	11/10/2000	--	15.75	NP	--	--	--
SVE-2	3/19/2001	--	14.40	NP	--	--	--
SVE-2	12/19/2006	--	11.84	NP	--	--	--
SVE-2	6/26/2013	--	13.95	NP	--	--	--
SVE-2	9/25/2013	--	15.59	NP	--	--	--
SVE-2	11/15/2013	--	15.09	NP	--	--	--
SVE-2	2/13/2014	--	14.44	NP	--	--	--
SVE-2	4/1/2014	--	11.15	NP	--	--	--
SVE-2	7/9/2014	--	14.17	NP	--	--	--
SVE-2	10/20/2014	--	15.43	NP	--	--	--
SVE-2	1/19/2015	--	12.50	NP	--	--	--
SVE-2	12/14/2015	--	12.38	NP	--	--	--
SVE-2	3/10/2016	--	10.43	NP	--	--	--
SVE-3	5/29/1997	--	5.31	NP	--	--	--
SVE-3	8/5/1997	--	6.48	NP	--	--	--
SVE-3	10/23/1997	--	4.67	NP	--	--	--
SVE-3	3/11/1998	--	8.24	NP	--	--	--
SVE-3	6/30/1998	--	5.52	NP	--	--	--
SVE-3	9/25/1998	--	9.02	NP	--	--	--
SVE-3	12/29/1998	--	6.64	NP	--	--	--
SVE-3	6/2/1999	--	9.04	NP	--	--	--
SVE-3	12/20/1999	--	8.15	NP	--	--	--
SVE-3	6/30/2000	--	--	--	--	--	Dry
SVE-3	9/27/2000	--	--	--	--	--	Dry
SVE-3	11/10/2000	--	8.02	NP	--	--	--
SVE-3	3/19/2001	--	7.95	7.94	0.01	--	--
SVE-3	6/27/2001	--	8.50	NP	--	--	--
SVE-3	9/26/2001	--	6.75	NP	--	--	WI
SVE-3	12/3/2001	--	7.86	NP	--	--	--
SVE-3	6/6/2002	--	8.60	NP	--	--	--
SVE-3	6/26/2003	--	10.27	NP	--	--	--
SVE-3	12/9/2003	--	7.71	NP	--	--	--
SVE-3	4/7/2004	--	7.41	NP	--	--	--
SVE-3	11/16/2004	--	7.60	NP	--	--	--
SVE-3	3/29/2005	--	6.31	NP	--	--	--
SVE-3	6/22/2005	--	7.47	NP	--	--	--
SVE-3	9/12/2005	--	8.46	NP	--	--	IW
SVE-3	12/6/2005	--	6.04	NP	--	--	--
SVE-3	6/5/2006	--	6.00	NP	--	--	--
SVE-3	12/19/2006	--	6.20	NP	--	--	--
SVE-3	9/24/2007	--	8.49	NP	--	--	--

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SVE-3	12/31/2007	--	--	--	--	--	WI
SVE-3	1/30/2008	--	8.52	NP	--	--	--
SVE-3	4/2/2008	--	--	--	--	--	Dry
SVE-3	7/1/2008	--	--	--	--	--	Dry
SVE-3	10/3/2008	--	--	--	--	--	Dry
SVE-3	1/6/2009	--	--	--	--	--	Dry
SVE-3	4/7/2009	--	--	--	--	--	Dry
SVE-3	7/8/2009	--	9.21	NP	--	--	--
SVE-3	10/6/2009	--	--	--	--	--	Dry
SVE-3	1/5/2010	--	8.36	NP	--	--	IW
SVE-3	5/25/2010	--	8.51	NP	--	--	--
SVE-3	8/19/2010	--	--	--	--	--	Dry
SVE-3	12/7/2010	--	8.30	NP	--	--	--
SVE-3	1/26/2011	--	7.82	NP	--	--	--
SVE-3	6/16/2011	--	8.22	NP	--	--	--
SVE-3	9/22/2011	--	--	--	--	--	Dry
SVE-3	12/6/2011	--	--	--	--	--	Dry
SVE-3	3/8/2012	--	--	--	--	--	Dry
SVE-3	6/19/2012	--	8.30	NP	--	--	--
SVE-3	9/21/2012	--	--	--	--	--	Dry
SVE-3	12/11/2012	--	--	--	--	--	Dry
SVE-3	6/25/2013	--	8.22	NP	--	--	--
SVE-3	9/25/2013	--	8.50	NP	--	--	--
SVE-3	11/14/2013	--	8.10	NP	--	--	--
SVE-3	2/13/2014	--	7.78	NP	--	--	--
SVE-3	4/1/2014	--	7.09	NP	--	--	--
SVE-3	7/9/2014	--	8.15	NP	--	--	--
SVE-3	1/19/2015	--	7.20	NP	--	--	--
AS-1	7/20/1995	--	14.43	NP	--	--	--
AS-2	2/15/1995	--	14.33	NP	--	--	--
AS-2	7/20/1995	--	16.23	NP	--	--	--
AS-3	10/5/1994	--	17.10	NP	--	--	--
AS-3	2/15/1995	--	14.81	NP	--	--	--
AS-3	4/10/1995	--	14.64	NP	--	--	--
AS-3	7/20/1995	--	15.80	NP	--	--	--
B1 (JPHC)	2/15/1995	--	14.72	11.45	3.27	--	--
B1 (JPHC)	7/20/1995	--	14.63	14.37	0.26	--	--
B1 (JPHC)	10/25/1995	--	14.20	NP	--	--	--
B1 (JPHC)	1/23/1996	--	12.20	NP	--	--	--
B1 (JPHC)	4/17/1996	--	14.13	13.43	0.70	--	--
B1 (JPHC)	7/8/1996	257.71	13.10	NP	--	244.61	--
B1 (JPHC)	10/10/1996	257.71	14.40	NP	--	243.31	--
B1 (JPHC)	3/11/1997	257.71	8.67	NP	--	249.04	--
B1 (JPHC)	5/29/1997	257.71	9.06	NP	--	248.65	--
B1 (JPHC)	8/5/1997	257.71	9.28	NP	--	248.43	--
B1 (JPHC)	10/23/1997	257.71	9.40	NP	--	248.31	--
B1 (JPHC)	3/11/1998	257.71	15.02	NP	--	242.69	--
B1 (JPHC)	6/30/1998	257.71	13.41	NP	--	244.30	--
B1 (JPHC)	9/25/1998	257.71	13.67	13.59	0.08	244.10	--
B1 (JPHC)	12/29/1998	257.71	12.24	NP	--	245.47	--
B1 (JPHC)	3/9/1999	257.71	11.50	NP	--	246.21	--
B1 (JPHC)	6/2/1999	257.71	12.57	NP	--	245.14	--
B1 (JPHC)	12/20/1999	257.71	--	--	--	--	Dry

Table 1
Groundwater Gauging Data
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B1 (JPHC)	3/16/2000	257.71	12.00	NP	--	245.71	--
B1 (JPHC)	6/30/2000	257.71	13.56	NP	--	244.15	--
B1 (JPHC)	9/27/2000	257.71	14.02	NP	--	243.69	--
B1 (JPHC)	11/10/2000	257.71	13.59	NP	--	244.12	--
B1 (JPHC)	3/19/2001	257.71	13.47	NP	--	244.24	--
B1 (JPHC)	6/27/2001	257.71	14.90	14.89	0.01	242.82	WI
B1 (JPHC)	9/26/2001	257.71	14.25	14.24	0.01	243.47	--
B1 (JPHC)	12/3/2001	257.71	12.00	NP	--	245.71	IW
B1 (JPHC)	6/26/2003	257.71	13.91	13.61	0.30	244.03	--
B1 (JPHC)	12/9/2003	257.71	12.20	NP	--	245.51	--
B1 (JPHC)	4/7/2004	257.71	12.71	NP	--	245.00	--
B1 (JPHC)	11/16/2004	257.71	13.58	NP	--	244.13	--
B1 (JPHC)	3/29/2005	257.71	12.30	NP	--	245.41	--
B1 (JPHC)	6/22/2005	257.71	15.50	NP	--	242.21	--
B1 (JPHC)	9/12/2005	257.71	14.04	NP	--	243.67	--
B1 (JPHC)	12/6/2005	257.71	13.27	NP	--	244.44	--
B1 (JPHC)	6/5/2006	257.71	12.79	NP	--	244.92	--
B1 (JPHC)	12/19/2006	257.71	11.40	NP	--	246.31	--
B1 (JPHC)	9/24/2007	257.71	14.95	NP	--	242.76	--
B1 (JPHC)	12/31/2007	257.71	--	--	--	--	WI
B1 (JPHC)	1/30/2008	257.71	12.76	NP	--	244.95	--
B1 (JPHC)	4/3/2008	257.71	21.44	NP	--	236.27	IW
B1 (JPHC)	7/1/2008	257.71	17.62	NP	--	240.09	--
B1 (JPHC)	10/3/2008	257.71	19.15	NP	--	238.56	--
B1 (JPHC)	1/6/2009	257.71	18.50	NP	--	239.21	--
B1 (JPHC)	4/8/2009	257.71	19.79	NP	--	237.92	--
B1 (JPHC)	7/8/2009	257.71	14.12	NP	--	243.59	--
B1 (JPHC)	10/6/2009	257.71	15.70	NP	--	242.01	--
B1 (JPHC)	1/6/2010	257.71	12.68	NP	--	245.03	--
B1 (JPHC)	5/25/2010	257.71	13.12	NP	--	244.59	--
B1 (JPHC)	8/19/2010	257.71	14.04	NP	--	243.67	--
B1 (JPHC)	12/7/2010	257.71	12.87	NP	--	244.84	--
B1 (JPHC)	1/26/2011	257.71	11.58	NP	--	246.13	--
B1 (JPHC)	6/16/2011	257.71	12.84	NP	--	244.87	--
B1 (JPHC)	9/22/2011	257.71	16.09	NP	--	241.62	--
B1 (JPHC)	12/6/2011	257.71	18.31	NP	--	239.40	--
B1 (JPHC)	3/8/2012	257.71	13.30	NP	--	244.41	--
B1 (JPHC)	6/19/2012	257.71	12.98	NP	--	244.73	--
B1 (JPHC)	9/21/2012	257.71	14.19	NP	--	243.52	--
B1 (JPHC)	12/11/2012	257.71	11.16	NP	--	246.55	--
B1 (JPHC)	6/26/2013	257.71	13.20	NP	--	244.51	--
B1 (JPHC)	9/26/2013	257.71	13.90	NP	--	243.81	--
B1 (JPHC)	11/15/2013	257.71	13.20	NP	--	244.51	--
B1 (JPHC)	2/13/2014	257.71	12.72	NP	--	244.99	--
B1 (JPHC)	4/2/2014	257.71	11.21	NP	--	246.50	--
B1 (JPHC)	7/11/2014	257.71	13.37	NP	--	244.34	--
B1 (JPHC)	10/22/2014	257.71	13.73	NP	--	243.98	--
B1 (JPHC)	1/21/2015	257.71	12.10	NP	--	245.61	--
B1 (JPHC)	12/16/2015	257.71	11.42	NP	--	246.29	--
B1 (JPHC)	3/11/2016	257.71	10.85	NP	--	246.86	--
B1 (JPHC)	6/1/2016	257.71	13.11	NP	--	244.60	--
B1 (JPHC)	8/29/2016	257.71	14.18	NP	--	243.53	--
B1 (JPHC)	11/21/2016	257.71	11.70	NP	--	246.01	--
B1 (JPHC)	2/15/2017	257.71	10.75	NP	--	246.96	--
B1 (JPHC)	4/7/2017	257.71	10.85	NP	--	246.86	--
B1 (JPHC)	5/26/2017	257.71	11.87	NP	--	245.84	--
B1 (JPHC)	9/28/2017	257.71	14.05	NP	--	243.66	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B1 (JPHC)	10/17/2017	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	--
B1 (JPHC)	9/28/2020	257.71	14.76	NP	--	242.95	--
B1 (JPHC)	3/23/2021	257.71	11.81	NP	--	245.90	--
B1 (JPHC)	9/28/2021	--	--	--	--	--	--
B1 (JPHC)	11/8/2021	257.71	12.44	NP	--	245.27	--
B1 (JPHC)	12/13/2021	257.71	11.41	NP	--	246.30	--
B1 (JPHC)	12/13/2021	257.71	11.41	NP	--	246.30	--
B1 (JPHC)	3/30/2022	257.71	11.88	NP	--	245.83	--
B1 (JPHC)	6/27/2022	257.71	12.51	NP	--	245.20	--
B1 (JPHC)	9/7/2022	257.71	14.15	NP	--	243.56	--
B1 (JPHC)	3/29/2023	257.71	12.01	NP	--	245.70	--
B3 (JPHC)	2/15/1995	--	13.37	NP	--	--	--
B3 (JPHC)	4/11/1995	--	13.52	NP	--	--	--
B3 (JPHC)	7/20/1995	--	15.15	NP	--	--	--
B3 (JPHC)	10/25/1995	--	14.93	NP	--	--	--
B3 (JPHC)	1/23/1996	--	12.58	NP	--	--	--
B3 (JPHC)	4/17/1996	--	13.68	NP	--	--	--
B3 (JPHC)	7/8/1996	258.41	9.21	NP	--	249.20	--
B3 (JPHC)	10/10/1996	258.41	15.50	NP	--	242.91	--
B3 (JPHC)	3/11/1997	258.41	9.41	NP	--	249.00	--
B3 (JPHC)	5/29/1997	258.41	9.22	NP	--	249.19	--
B3 (JPHC)	8/5/1997	258.41	19.57	NP	--	238.84	--
B3 (JPHC)	10/23/1997	258.41	--	--	--	--	Dry
B3 (JPHC)	3/11/1998	258.41	14.75	NP	--	243.66	--
B3 (JPHC)	6/30/1998	258.41	15.08	NP	--	243.33	--
B3 (JPHC)	9/25/1998	258.41	14.95	NP	--	243.46	--
B3 (JPHC)	12/29/1998	258.41	14.21	NP	--	244.20	--
B3 (JPHC)	3/9/1999	258.41	14.41	NP	--	244.00	--
B3 (JPHC)	6/2/1999	258.41	13.68	NP	--	244.73	--
B3 (JPHC)	12/20/1999	258.41	12.50	NP	--	245.91	--
B3 (JPHC)	3/16/2000	258.41	13.55	NP	--	244.86	--
B3 (JPHC)	6/30/2000	258.41	14.52	NP	--	243.89	--
B3 (JPHC)	9/27/2000	258.41	15.35	NP	--	243.06	--
B3 (JPHC)	11/10/2000	258.41	14.61	NP	--	243.80	--
B3 (JPHC)	3/19/2001	258.41	14.17	NP	--	244.24	--
B3 (JPHC)	6/27/2001	258.41	15.72	NP	--	242.69	--
B3 (JPHC)	9/26/2001	258.41	15.23	NP	--	243.18	WI
B3 (JPHC)	12/3/2001	258.41	13.15	NP	--	245.26	--
B3 (JPHC)	6/6/2002	258.41	14.33	NP	--	244.08	IW
B3 (JPHC)	6/26/2003	258.41	14.63	NP	--	243.78	--
B3 (JPHC)	12/9/2003	258.41	13.25	NP	--	245.16	--
B3 (JPHC)	4/7/2004	258.41	14.00	NP	--	244.41	--
B3 (JPHC)	11/16/2004	258.41	14.63	NP	--	243.78	--
B3 (JPHC)	3/29/2005	258.41	13.81	NP	--	244.60	--
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	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
B3 (JPHC)	9/24/2007	258.41	15.36	NP	--	243.05	--
B3 (JPHC)	12/31/2007	258.41	--	--	--	--	WI
B3 (JPHC)	1/29/2008	258.41	13.53	NP	--	244.88	--
B3 (JPHC)	4/3/2008	258.41	20.10	NP	--	238.31	IW
B3 (JPHC)	7/1/2008	258.41	17.84	NP	--	240.57	--
B3 (JPHC)	10/3/2008	258.41	18.76	NP	--	239.65	--
B3 (JPHC)	1/6/2009	258.41	18.92	NP	--	239.49	--
B3 (JPHC)	4/8/2009	258.41	19.00	NP	--	239.41	--
B3 (JPHC)	7/8/2009	258.41	15.25	NP	--	243.16	--
B3 (JPHC)	10/6/2009	258.41	15.81	NP	--	242.60	--
B3 (JPHC)	1/6/2010	258.41	13.43	NP	--	244.98	--
B3 (JPHC)	5/25/2010	258.41	14.12	NP	--	244.29	--
B3 (JPHC)	8/19/2010	258.41	15.12	NP	--	243.29	--
B3 (JPHC)	12/7/2010	258.41	13.95	NP	--	244.46	--
B3 (JPHC)	1/26/2011	258.41	12.64	NP	--	245.77	--
B3 (JPHC)	6/16/2011	258.41	13.84	NP	--	244.57	--
B3 (JPHC)	9/22/2011	258.41	16.75	NP	--	241.66	--
B3 (JPHC)	12/6/2011	258.41	18.04	NP	--	240.37	--
B3 (JPHC)	3/8/2012	258.41	14.34	NP	--	244.07	--
B3 (JPHC)	6/19/2012	258.41	12.14	NP	--	246.27	--
B3 (JPHC)	9/21/2012	258.41	15.33	NP	--	243.08	--
B3 (JPHC)	12/11/2012	258.41	12.70	NP	--	245.71	--
B3 (JPHC)	6/26/2013	258.41	14.32	NP	--	244.09	--
B3 (JPHC)	9/26/2013	258.41	15.06	NP	--	243.35	--
B3 (JPHC)	11/15/2013	258.41	14.39	NP	--	244.02	--
B3 (JPHC)	2/13/2014	258.41	14.00	NP	--	244.41	--
B3 (JPHC)	4/2/2014	258.41	12.31	NP	--	246.10	--
B3 (JPHC)	7/11/2014	258.41	14.54	NP	--	243.87	--
B3 (JPHC)	10/22/2014	258.41	14.77	NP	--	243.64	--
B3 (JPHC)	1/20/2015	258.41	13.25	NP	--	245.16	--
B3 (JPHC)	12/14/2015	258.41	12.68	NP	--	245.73	--
B3 (JPHC)	3/11/2016	258.41	11.97	NP	--	246.44	--
B3 (JPHC)	8/29/2016	258.41	15.33	NP	--	243.08	--
B3 (JPHC)	11/21/2016	258.41	12.23	NP	--	246.18	--
B3 (JPHC)	2/15/2017	258.41	11.77	NP	--	246.64	--
B3 (JPHC)	5/26/2017	258.41	12.67	NP	--	245.74	--
B3 (JPHC)	10/17/2017	258.41	15.19	NP	--	243.22	--
B3 (JPHC)	2/8/2018	258.41	11.88	NP	--	246.53	--
B3 (JPHC)	9/11/2018	258.41	15.18	NP	--	243.23	--
B3 (JPHC)	11/15/2018	258.41	--	--	--	--	WI
B3 (JPHC)	1/29/2019	258.41	--	--	--	--	WI
B3 (JPHC)	9/26/2019	258.41	14.84	NP	--	243.57	--
B3 (JPHC)	3/9/2020	258.41	13.00	NP	--	245.41	--
B3 (JPHC)	9/28/2020	258.41	--	--	--	--	VO
B3 (JPHC)	3/23/2021	258.41	12.84	NP	--	245.57	--
B3 (JPHC)	9/28/2021	--	--	--	--	--	--
B3 (JPHC)	3/29/2023	258.41	13.21	NP	--	245.20	--
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	--	--	--

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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
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-1	9/28/2020	--	13.40	NP	--	--	--
IW-1	3/23/2021	--	11.43	NP	--	--	--
IW-1	9/28/2021	--	14.12	NP	--	--	--
IW-1	6/27/2022	--	11.38	NP	--	--	--
IW-1	9/7/2022	--	13.47	NP	--	--	--
IW-1	3/29/2023	--	11.43	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	--	--	--
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-2	9/28/2020	--	13.86	NP	--	--	--
IW-2	3/23/2021	--	11.92	NP	--	--	--
IW-2	9/28/2021	--	--	--	--	--	--
IW-2	9/7/2022	--	14.15	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-3	9/28/2020	--	13.32	NP	--	--	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
IW-3	3/23/2021	--	11.32	NP	--	--	--
IW-3	9/28/2021	--	13.76	NP	--	--	--
IW-3	9/7/2022	--	13.61	NP	--	--	--
IW-4	3/10/2017	--	10.63	NP	--	--	--
IW-4	3/17/2017	--	9.68	NP	--	--	--
IW-4	3/24/2017	--	9.78	NP	--	--	--
IW-4	3/30/2017	--	10.14	NP	--	--	--
IW-4	4/7/2017	--	9.88	NP	--	--	--
IW-4	4/14/2017	--	10.05	NP	--	--	--
IW-4	4/28/2017	--	10.68	NP	--	--	--
IW-4	5/26/2017	--	11.24	NP	--	--	--
IW-4	10/17/2017	--	13.42	NP	--	--	--
IW-4	2/8/2018	--	9.80	NP	--	--	--
IW-4	9/11/2018	--	13.39	NP	--	--	--
IW-4	11/15/2018	--	12.90	NP	--	--	--
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	--	--	--
IW-4	9/28/2020	--	13.28	NP	--	--	--
IW-4	3/23/2021	--	11.25	NP	--	--	--
IW-4	9/28/2021	--	13.74	NP	--	--	--
IW-4	9/7/2022	--	13.42	NP	--	--	--
EX-1	8/27/2019	--	8.65	NP	--	--	--
EX-2	8/27/2019	--	6.17	NP	--	--	--
EX-4	8/27/2019	--	17.20	NP	--	--	--
EX-5	8/27/2019	--	17.33	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 No. 980
10822 Roosebelt Way NE, Seattle, WA 98125

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**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	< 1.00	2.49
MW-1	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 255	< 510	< 1.00	1.26
MW-1	6/5/2006	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 253	< 505	< 1.00	1.76
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

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
MW-2	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-2	6/22/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-2	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 281	< 562	< 1.00	< 1.00
MW-2	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-2	6/5/2006	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-2	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-2	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-2	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-2	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	--	--	--	--
MW-2	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 240	< 481	--	--
MW-2	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
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	3.5	< 0.17
MW-2	10/21/2014	< 1.0	< 1.0	< 1.0	0.17 JB	< 1.0	--	--	< 50	35	< 250	< 2.0	0.55 JB
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	< 2.0	0.24 J
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-2	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 340	< 4.0	< 4.0
MW-2	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 360	< 2.0	< 2.0
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	--	--	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
MW-3	5/29/1997	2.10	< 0.5	< 0.5	< 1.0	--	--	--	223	--	--	--	--
MW-3	8/5/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	56.5	--	--	--	--
MW-3	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
MW-3	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-3	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-3	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-3	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-3	4/7/2004	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-3	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	1.52
MW-3	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-3	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 258	< 515	< 1.00	< 1.00
MW-3	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-3	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-3	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	--	--	--	--
MW-3	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
MW-3	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-3	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-3	4/7/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 240	< 481	< 1.00	< 1.00
MW-4	1/23/1996	**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**	5.70	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	14.0	31.9	**319**	--	--	**1,040**	**739**	< 1450	--	--
MW-4	6/27/2001	**37.8**	0.821	1.69	13.0	18.6	--	--	630	< 250	< 750	--	--
MW-4	9/26/2001	**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	6.30	48.6	**33.2**	< 0.01	< 1.00	**2,940**	**1,620**	**2,160**	2.43	6.96
MW-4	6/26/2003	**1,350**	< 5.00	45.1	52.1	< 20.0	--	--	**4,410**	**6,630**	**3,070**	1.87	4.04
MW-4	12/9/2003	**918**	2.52	64.0	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**	1.58	2.45
MW-4	11/16/2004	**990**	< 5.00	96.9	154	**20.9**	--	--	**76,200**	**24,300**	**8,350**	< 1.00	11.5
MW-4	3/29/2005	**5,920**	79.0	**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**	< 1.00	10
MW-4	9/12/2005	**980**	10.3	143	55.1	16.2	--	--	**5,450**	**1,070**	**1,590**	< 1.00	2.62
MW-4	12/6/2005	**737**	5.0	127	58.0	< 10.0	--	--	**4,320**	**1,030**	**1,720**	< 1.00	2.42
MW-4	6/5/2006	**851**	< 10.0	146	168	< 20.0	--	--	**3,720**	430	**641**	< 1.00	3.04

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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	0.900	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 248	< 495	2.96	3.95
MW-4	10/6/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	69	< 245	< 490	2.9	3.6
MW-4	1/5/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	< 120	250	< 2.00	3.8
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**	< 2.0	2.6
MW-4	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	260	330	< 2.0	3.0
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
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	< 2.0	0.30
MW-4	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	< 10	**900**	**780**	< 0.17	0.51
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	< 2.0	0.55 JB
MW-4	1/20/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 27	**580**	**510**	< 0.17	< 0.17
MW-4	12/16/2015	< 0.42	< 0.44	< 0.51	< 0.50	0.20	--	--	35	280	260	--	--
MW-4	3/11/2016	< 0.025	< 0.025	< 0.030	< 0.060	0.11	--	--	< 27	440	**610**	--	--
MW-4	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	0.25 JH	--	--	< 50	320 B	240 JB	< 2.0	0.26 J
MW-4	11/21/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	160	< 250	< 2.0	< 2.0
MW-4	2/15/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	420	460	< 2.0	< 2.0
MW-4	5/26/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 500	410	**600**	< 4.0	< 4.0
MW-4	10/17/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**740**	470	< 4.0	< 4.0
MW-4	2/8/2018	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**510**	**790**	< 4.0	< 4.0

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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-4	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	480	**670**	< 4.0	< 4.0
MW-4	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	180	470	< 2.0	< 2.0
MW-4	9/28/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**540**	**870 *+**	< 2.0	< 2.0
MW-4	11/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**550**	**650**	< 2.0	< 2.0
MW-4	12/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	340	**730**	< 0.40	< 2.0
MW-4	3/30/2022	< 1.0	< 1.0 *+	< 1.0	< 2.0	< 1.0	--	--	< 50	130	360	< 2.0	< 2.0
MW-4	6/27/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	220	< 260	< 0.50	< 0.50
MW-4	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	410	< 260	< 2.0	< 2.0
MW-4	3/30/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.0099 *+	< 1.0	< 50	420	**620**	< 2.0	< 2.0
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	13.0	--	--	--	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	--	--
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	< 1.00	1.63
MW-5	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**21.0**	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-5	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	**26.9**	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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	< 1.00	2.1
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	< 2.0	0.44 JB
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

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
MW-6	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
MW-6	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 263	< 526	< 1.00	< 1.00
MW-6	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-6	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-6	4/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
MW-6	7/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 240	< 481	--	--
MW-6	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-6	1/5/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-6	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
MW-6	3/24/2021	< 1.0	< 1.0	< 1.0	< 2.0	--	--	--	< 250	< 110	< 370	< 2.0	< 2.0
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	22.0	--	--	--	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	1.20	< 0.780	< 0.500	< 1.00	--	--	--	< 50.0	420	< 750	--	--
MW-7	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	323	< 750	--	--
MW-7	11/10/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 80.0	< 250	< 750	--	--
MW-7	3/19/2001	< 0.500	0.821	< 0.500	< 1.00	**55.9**	--	--	< 50.0	< 250	< 750	--	--
MW-7	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	**35.2**	--	--	< 50.0	< 250	< 750	--	--
MW-7	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	**57.8**	--	--	< 50.0	253	< 750	--	--
MW-7	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**35.6**	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-7	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	**20.6**	--	--	84.3	< 250	< 500	< 1.00	< 1.00
MW-7	12/6/2005	**644**	**8,200**	**942**	**5,250**	< 200	--	--	**33,000**	< 243	< 485	< 1.00	< 1.00

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
MW-7	6/5/2006	**26.8**	10.0	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	--	--
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	< 2.0	0.44 JB
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	--	--	--	--	--	--	--	--	--	--	< 0.17	1.7 J

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
MW-8	6/1/2016	--	--	--	--	--	--	--	--	--	--	< 0.17	2.9
MW-8	8/29/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0 *	--	--	< 50	93 JB	59 JB	< 2.0	0.26 J
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	< 2.0	5.5
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	< 3.0 F2F1	< 2.0 F2F1	< 3.0 F2F1	< 3.0 F2F1	< 2.0 F2F1	--	--	< 250	110	< 360	< 4.0	< 4.0
MW-8	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	110	< 340	< 4.0	4.1
MW-8	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 360	< 2.0	< 2.0
MW-8	3/30/2022	< 1.0	< 1.0 *+	< 1.0	< 2.0	< 1.0	--	--	< 50	< 110	< 360	< 2.0	< 2.0
MW-8	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 260	< 2.0	< 2.0
MW-9	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	4.6
MW-9	7/20/1995	--	--	--	--	--	--	--	--	280	--	--	--
MW-9	7/8/1996	--	--	--	--	--	--	--	--	< 250	< 750	--	--
MW-9	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	--	--	--
MW-9	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
MW-9	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	--	< 50.0	< 250	< 750	--	--
MW-9	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	--	< 50.0	< 250	< 750	--	--
MW-9	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-9	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	2.12	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-9	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-9	9/12/2005	< 0.500	5.91	< 0.500	< 1.00	< 2.00	--	--	156	< 312	< 625	< 1.00	< 1.00
MW-9	12/6/2005	< 0.500	0.85	< 0.500	< 1.00	1.07	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-9	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-9	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 243	< 485	--	--
MW-9	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-9	4/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 240	< 481	--	--
MW-9	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-9	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
MW-9	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
MW-9	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-9	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 78.4	< 392	< 10.0	< 10.0
MW-9	6/26/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 250	< 500	< 10	< 10
MW-9	9/25/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 270	< 270	< 10.0	< 10.0

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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	0.35	< 0.17
MW-9	10/21/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50	66 J	< 240	< 2.0	0.26 JB
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
MW-9	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 340	< 4.0	< 4.0
MW-9	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 120	< 370	< 2.0	< 2.0
MW-10	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	8.7
MW-10	7/20/1995	--	--	--	--	--	--	--	--	320	--	--	--
MW-10	7/8/1996	--	--	--	--	--	--	--	--	382	< 750	--	--
MW-10	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	--	--	--
MW-10	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
MW-10	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	**23.4**	--	--	< 50.0	< 250	< 500	< 1.00	1.06
MW-10	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
MW-10	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	16.8	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-10	3/29/2005	< 0.200	< 0.500	< 0.500	< 1.00	13.8	< 0.010	< 0.500	< 80.0	< 250	< 500	--	1.72
MW-10	6/22/2005	0.240	< 0.500	< 0.500	< 1.00	17.0	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
MW-10	9/12/2005	< 0.500	3.28	< 0.500	< 1.00	19.7	--	--	63.8	< 333	< 667	< 1.00	< 1.00
MW-10	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	13.4	--	--	< 50.0	< 291	< 581	< 1.00	< 1.00
MW-10	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	2.49	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
MW-10	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	13.9	--	--	< 50.0	< 238	< 476	--	--
MW-10	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	1.55	--	--	< 50.0	< 236	< 472	--	--
MW-10	4/2/2008	< 0.500	1.54	0.61	3.71	**21.4**	--	--	< 50.0	< 236	< 472	--	--
MW-10	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	**91.5**	--	--	< 50.0	< 238	< 476	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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	< 2.0	0.26 JB
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-10	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 340	< 4.0	< 4.0 F2
MW-10	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 350	< 2.0	< 2.0
MW-10	11/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	110	< 360	< 2.0	< 2.0
MW-10	12/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 360	< 2.0	< 2.0
MW-10	3/30/2022	< 1.0	< 1.0 *+	< 1.0	< 2.0	< 1.0	--	--	< 50	< 110	< 350	< 2.0	< 2.0
MW-10	6/27/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 250	< 0.50	< 0.50
MW-10	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 110	< 270	< 2.0	< 2.0
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**	13.0	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**	--	--
MW-11	6/6/2002	**192**	4.66	30.8	456	< 2.00	< 0.01	< 1.00	**5,710**	**5,170**	**6,790**	4.95	**16.0**
MW-11	6/26/2003	**301**	5.01	120	568	< 20.0	--	--	**9,170**	**72,800**	**107,000**	3.09	8.71
MW-11	12/9/2003	**99.2**	3.00	48.9	314	14.8	--	--	**4,650**	**1,610**	**2,910**	1.14	2.94
MW-11	11/16/2004	**155**	2.95	66.4	610	< 10.0	--	--	**29,000**	**72,200**	**28,500**	2.06	**32.1**

Table 2
Groundwater Analytical Data
ARCO Facility No. 980
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	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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**	1.56	10.6
MW-11	9/12/2005	**217**	< 12.5	224	992	3.48	--	--	**22,000**	**81,100**	**169,000**	**21.8**	**43**
MW-11	12/6/2005	**148**	< 2.50	130	504	< 5.00	--	--	**13,000**	**85,600**	**178,000**	3.1	**33.1**
MW-11	6/5/2006	**245**	< 5.00	149	529	< 10.0	--	--	**10,200**	**58,000**	**111,000**	**32.9**	**132**
MW-11	9/29/2006	4.44	0.57	2.84	47.5	--	--	--	**4,840**	--	--	--	--
MW-11	12/19/2006	**5.0**	< 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**	1.48	5.67
MW-11	7/8/2009	0.370	< 0.500	< 0.500	< 1.00	< 2.00	--	--	175	**714**	**1,370**	1.07	3.90
MW-11	10/6/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	410	< 243	< 485	< 2.00	2.6
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	< 2.00	2.1
MW-11	8/19/2010	< 0.50	< 0.50	< 0.50	1.00	< 1.00	--	--	180	210	< 240	< 2.00	3.2
MW-11	12/7/2010	< 0.50	< 0.50	< 0.50	1.1	< 1.0	--	--	190	170	280	< 2.0	2.3
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**	< 2.0	2.7
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	**1,500 BY**	**2,700 BY**	< 2.0	1.1 J
MW-11	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	25 J	**850 BY**	**1,700 BY**	< 0.17	0.77 J
MW-11	7/11/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	34 JB	360 BY	470 Y	< 0.17	0.81 J
MW-11	10/22/2014	0.29 J	< 1.0	< 1.0	0.26 JB	< 1.0	--	--	58 B	430 Y	190 J	< 2.0	0.87 JB
MW-11	1/21/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	33 J	230 H1BY^	180 J^H1	< 0.17	0.32 J
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	< 1.0 F1*	--	--	95	480 B	380 B	0.55 J	0.44 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

Table 2
Groundwater Analytical Data
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10822 Roosebelt Way NE, Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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
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-11	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**590**	**770**	< 4.0	< 4.0
MW-11	3/24/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	440	**1,200**	< 2.0	< 2.0
MW-11	11/5/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**720**	**790**	< 2.0	< 2.0
MW-11	9/7/2022	--	--	--	--	--	--	--	--	210	< 250	--	--
MW-11	3/30/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010 *+	< 1.0	< 50	**660**	**1,400**	< 2.0	< 2.0
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**	0.530	< 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**	9.30	< 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	5.80	--	--	--	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**	4.93	**315**
MW-12	12/9/2003	**2,520**	338	142	**1,320**	**114**	--	--	**18,000**	**2,730**	**4,960**	4.84	4.77
MW-12	4/7/2004	**641**	655	201	**1,590**	< 10.0	--	--	**19,200**	**204,000**	**314,000**	8.61	**536**
MW-12	11/16/2004	**757**	**1,230**	283	**2,090**	< 20.0	--	--	**25,800**	**111,000**	**27,800**	2.92	9.64
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**	3.61	**38**
MW-12	9/12/2005	**758**	631	250	**1,480**	< 2.00	--	--	**12,900**	**242,000**	**561,000**	4.64	**37.5**
MW-12	12/6/2005	**481**	**1,480**	**1,560**	**11,600**	< 100	--	--	**18,800**	**145,000**	**290,000**	12	**76.3**
MW-12	6/5/2006	**721**	61.8	190	**1,170**	< 20.0	--	--	**11,400**	**14,300**	**27,700**	1.52	3.23
MW-12	9/29/2006	**272**	4.79	195	**1,020**	--	--	--	**16,700**	--	--	--	--
MW-12	12/19/2006	**346**	36.6	81.0	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	4.0	52.6	< 1.00	--	--	**4,420**	**722**	**1,170**	7.86	**36**
MW-12	7/8/2009	< 1.00	< 2.50	< 2.50	8.45	< 10.0	--	--	**1,790**	< 250	< 500	5.61	8.45

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ARCO Facility No. 980
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	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
MW-12	10/6/2009	1.9	< 1.00	1.0	9.3	< 1.00	--	--	**3,600**	**2,210**	**2,040**	< 2.00	4.2
MW-12	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	**3,700**	**5,500**	**1,100**	2.0	4.8
MW-12	5/25/2010	< 0.50	< 0.50	< 0.50	4.4	< 1.00	--	--	**2,900**	**3,800**	**2,900**	< 2.00	2.6
MW-12	8/19/2010	0.89	0.59	0.51	3.4	< 1.00	--	--	**1,800**	**2,000**	380	< 2.00	3.5
MW-12	12/7/2010	1.9	0.66	0.51	3.6	< 1.0	--	--	**2,300**	**1,700**	**1,300**	< 2.0	2.3
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	7.0	< 1.0	--	--	**1,800**	**8,770**	**15,200**	< 2.0	**21**
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
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	**1,200 O**	< 10.0	< 10.0
MW-12	2/13/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	170	**940 BY**	**1,400 BY**	< 2.0	0.57 J
MW-12	4/2/2014	< 1.1	< 0.89	< 0.89	< 0.82	< 0.74	--	--	15 J	190 BY	320 BY	< 0.17	0.36 J
MW-12	7/11/2014	0.35 J	< 0.16	< 0.13	< 0.12	< 0.17	--	--	100 B	460 BY	300 Y	< 0.17	0.54 J
MW-12	10/22/2014	3.9	0.46 J	0.91 J	1.4 JB	< 1.0	--	--	770 B	**830 Y**	**790 Y**	< 2.0	4.0 B
MW-12	1/21/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	100	250 H1BY^	250 H1Y^	< 0.17	0.60 J
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	< 0.17	0.32 J
MW-12	6/1/2016	< 0.42	< 0.18	< 0.21	< 0.49	< 0.11	--	--	85	390	310	< 0.17	**390 J**
MW-12	8/29/2016	1.5 J	0.46 J	< 3.0	< 3.0	< 1.0 *	--	--	120	470 B	170 JB	0.24 J	0.33 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-12	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	**1,200**	**780**	< 4.0	< 4.0
MW-12	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**2,500**	**2,500**	< 2.0	< 2.0
MW-12	9/28/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**1,400**	**750 *+**	< 2.0	< 2.0
MW-12	11/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**3,100**	**1,600**	< 2.0	< 2.0
MW-12	12/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	470	**860**	< 2.0	< 2.0

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
MW-12	3/30/2022	< 1.0	< 1.0 *+	< 1.0	< 2.0	< 1.0	--	--	< 50	180	< 350	< 2.0	< 2.0
MW-12	4/7/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	240	470	< 2.0	< 2.0
MW-12	6/27/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	160	< 250	< 0.50	< 0.50
MW-12	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	**660**	< 250	< 2.0	< 2.0
MW-12	3/29/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 1.0	< 50	240	420	< 2.0	< 2.0
MW-13	9/26/2019	**140**	3.2 F1	19 F1	140	< 2.0 F1F2	--	--	**2,900**	**6,900**	**3,500 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-13	9/28/2020	**16**	< 2.0	20	35	< 2.0	--	--	**1,100**	**990**	**590**	< 4.0	< 4.0
MW-13	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	260	210	< 360	< 2.0	< 2.0
MW-13	9/28/2021	**27**	1.0	8.8	16	< 1.0	--	--	**880**	**2,300**	**1,400**	< 2.0	< 2.0
MW-13	11/8/2021	< 1.0	< 1.0	< 1.0	15	< 1.0	--	--	790	**590**	410	< 2.0	2.5
MW-13**	3/30/2022	< 1.0	< 1.0 *+	< 1.0	< 2.0	< 1.0	--	--	< 50	--	--	--	--
MW-13**	6/27/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	--	--	--	--
MW-13**	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	--	--	--	--
MW-13	9/7/2022	--	--	--	--	--	--	--	--	230	< 250	< 2.0	**45**
MW-13	3/29/2023	< 1.0 H	< 1.0 H	< 1.0 H	< 2.0 H	< 1.0 H	< 0.010	< 1.0 H	< 50	360	< 350	< 2.0	< 2.0
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-14	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 340	< 4.0	< 4.0
MW-14	3/24/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 350	< 2.0	< 2.0
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-15	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	150	< 360	< 2.0	< 2.0
MW-15	11/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	130	< 360	< 2.0	< 2.0
MW-15	3/30/2022	< 1.0	3.4	1.0	< 2.0	< 1.0	--	--	< 50 *3	< 120	< 380	< 2.0	3.0
MW-15**	7/5/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	--	--	--	--
MW-15**	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	--	--	--	--
MW-15	9/7/2022	--	--	--	--	--	--	--	--	< 110	< 280	< 2.0	6.8
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
MW-16	9/28/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 340	< 4.0	< 4.0
MW-16	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 120	< 370	< 2.0	< 2.0
MW-17	12/14/2020	< 3.0	< 2.0	< 3.0	< 3.0	--	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-17	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 360	< 2.0	< 2.0

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
MW-18	12/14/2020	< 3.0	< 2.0	< 3.0	< 3.0	--	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-18	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 120	< 370	< 2.0	< 2.0
MW-19	12/14/2020	< 3.0	< 2.0	< 3.0	< 3.0	--	--	--	< 250	< 110	< 360	< 4.0	< 4.0
MW-19	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 360	< 2.0	< 2.0
MW-19	11/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 360	< 2.0	< 2.0
MW-19	3/30/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	< 110	< 360	< 2.0	< 2.0
MW-19	6/27/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 250	< 0.50	< 0.50
MW-19	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 260	< 2.0	< 2.0
MW-20	9/28/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	160	390 *+	< 2.0	< 2.0
MW-20	3/30/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	120	< 350	< 2.0	< 2.0
MW-20	3/30/2022	< 1.0	< 1.0 F1	< 1.0 F1	< 2.0 F1	1.1	--	--	< 50	110	< 350	< 2.0	< 2.0
MW-20	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 110 F1	< 270	< 2.0	< 2.0
MW-20	3/30/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010 *+	< 1.0	< 50	150	< 360	< 2.0	< 2.0
MW-21	9/28/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	350	**510 *+**	< 2.0	< 2.0
MW-21	3/30/2022	< 1.0	< 1.0 *+	< 1.0	< 2.0	< 1.0	--	--	< 50	110	< 350	< 2.0	< 2.0
MW-21	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 260	< 2.0	< 2.0
MW-21	3/30/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010 *+	< 1.0	< 50	140	< 360	< 2.0	< 2.0
MW-23	3/29/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 1.0	< 50	190	370	< 2.0	< 2.0
MW-23	6/28/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 1.0	< 50	< 110	< 360	< 2.0	< 2.0
MW-24	3/29/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 1.0	< 50	< 110	< 350	< 2.0	< 2.0
MW-24	6/28/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 1.0	< 50	< 110	< 350	< 2.0	< 2.0
VP-1	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	**27**
VP-1	2/15/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 1000	--	< 2.0
VP-1	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
VP-1	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-1	10/26/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-1	1/23/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-1	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
VP-1	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-1	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-1	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-1	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-1	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-1	11/10/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 80.0	< 250	< 750	--	--

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	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
VP-1	3/19/2001	< 0.500	< 0.500	< 0.500	< 1.00	6.23	--	--	< 50.0	< 250	< 750	--	--
VP-1	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**155**	--	--	< 50.0	< 250	< 500	--	--
VP-1	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	3.57	< 0.01	< 1.00	< 50.0	< 250	< 500	< 1.00	**17.9**
VP-1	6/26/2003	0.521	< 0.500	1.05	5.25	5.55	--	--	137	< 250	< 500	< 1.00	6.48
VP-1	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**34.1**	--	--	< 50.0	< 250	< 500	< 1.00	1.44
VP-1	4/7/2004	< 0.500	< 0.500	< 0.500	< 1.00	1.19	--	--	< 50.0	< 250	< 500	< 1.00	3.21
VP-1	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	**34.2**
VP-1	3/29/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	< 0.010	< 0.500	< 80.0	< 250	< 500	--	< 1.0
VP-1	6/22/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	1.21
VP-1	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 50.0	< 287	< 575	< 1.00	< 1.00
VP-1	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	6.63	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
VP-1	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	2.72
VP-1	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	--
VP-1	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 248	< 495	--	1.09
VP-1	4/2/2008	< 0.500	1.1	< 0.500	< 3.00	1.56	--	--	< 50.0	< 236	< 472	--	--
VP-1	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-1	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	12
VP-1	7/8/2009	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 245	< 490	< 1.00	7.86
VP-1	10/6/2009	< 1.00	4.1	6.7	41	< 1.00	--	--	650	< 238	< 476	< 2.00	< 2.00
VP-1	1/6/2010	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
VP-1	5/25/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	< 2.00
VP-1	8/19/2010	< 0.50	< 0.50	< 0.50	< 1.00	< 1.00	--	--	< 50.0	< 120	< 240	< 2.00	2.3
VP-1	12/7/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	< 2.0
VP-1	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	< 2.0
VP-1	6/16/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	140	250	< 2.0	2.2
VP-1	9/22/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 95.2	< 476	< 2.0	< 2.0
VP-1	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 75.5	< 377	< 10.0	< 10.0
VP-1	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 82.5	< 412	< 10.0	< 10.0
VP-1	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0
VP-1	9/21/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 80.8	< 404	< 10.0	10.9
VP-1	12/11/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 189	< 189	< 3.0	< 3.0
VP-2	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	8.2
VP-2	2/15/1995	--	--	--	--	--	--	--	--	< 250	--	--	--
VP-2	7/20/1995	--	--	--	--	--	--	--	--	< 250	--	--	--
VP-2	10/10/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
VP-2	3/16/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
VP-2	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
VP-2	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
VP-2	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	--	--
VP-2	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	< 2.00	< 0.01	< 1.00	< 50.0	< 250	< 500	< 1.00	5.21
VP-2	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	**22.9**	--	--	< 50.0	< 250	< 500	< 1.00	9.19
VP-2	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
VP-2	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	< 250	< 500	< 1.00	1.35
VP-2	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 248	< 495	< 1.00	< 1.00
VP-2	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 245	< 490	< 1.00	< 1.00
VP-2	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	8.74	--	--	< 50.0	< 243	< 485	--	--
VP-2	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	7.59	--	--	< 50.0	< 236	< 472	--	--
VP-2	4/2/2008	< 0.500	0.79	< 0.500	< 3.00	3.89	--	--	< 50.0	< 236	< 472	--	--
VP-2	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
VP-2	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 240	< 481	< 1.00	**20.5**
BV-1	4/11/1995	1.4	< 0.5	< 0.5	3.8	--	--	--	57	--	--	--	--
BV-1	7/20/1995	2.7	< 0.5	1	9.5	--	--	--	96	320	--	--	--
BV-1	10/26/1995	**94**	30	26	160	--	--	--	**2,500**	--	--	--	--
BV-1	1/23/1996	4.5	0.65	1.6	17	--	--	--	200	< 250	< 750	--	--
BV-1	10/10/1996	1.20	< 0.5	0.614	4.72	--	--	--	94.3	< 250	< 750	--	--
BV-1	3/11/1997	2.77	0.509	1.16	10.4	--	--	--	86.5	--	--	--	--
BV-1	5/29/1997	3.81	0.656	1.95	19.1	--	--	--	204	< 250	< 750	--	--
BV-1	8/5/1997	1.24	< 0.5	0.588	4.42	--	--	--	85.1	< 250	< 750	--	--
BV-1	10/23/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-1	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
BV-1	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-3	3/3/1995	--	--	--	--	--	--	--	--	**14,000**	--	--	--
BV-3	4/10/1995	**5,000**	**4,500**	690	**3,300**	--	--	--	**36,000**	--	--	--	--
BV-3	7/20/1995	**6,000**	**8,100**	**1,400**	**8,500**	--	--	--	**62,000**	**9,800**	--	--	--
BV-3	10/26/1995	**6,600**	**8,800**	**1,700**	**13,000**	--	--	--	**82,000**	**5,100**	**2,600**	--	--
BV-3	10/10/1996	**684**	574	84.7	**1,940**	--	--	--	**13,700**	**3,730**	< 750	--	--
BV-3	3/11/1997	**2,140**	**6,610**	**989**	**7,370**	--	--	--	**40,700**	**5,810**	< 750	--	--
BV-3	5/29/1997	0.638	< 0.5	< 0.5	< 1.0	--	--	--	< 50	414	< 750	--	--
BV-3	8/5/1997	**8.75**	3.14	3.01	53.1	--	--	--	556	**1,440**	< 750	--	--
BV-3	10/23/1997	< 0.5	< 0.5	< 0.5	1.63	--	--	--	< 50	**661**	< 750	--	--
BV-3	3/11/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 80	< 250	< 750	--	--
BV-3	9/25/1998	**644**	**1,180**	638	**4,210**	--	--	--	**18,300**	**524**	< 750	--	--
BV-3	12/29/1998	0.997	< 0.5	< 0.5	10.2	--	--	--	181	< 250	< 750	--	--

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
BV-3	3/9/1999	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
BV-3	6/2/1999	**206**	178	235	926	--	--	--	**5,380**	< 250	< 750	--	--
BV-3	9/27/1999	< 0.500	< 0.500	< 0.500	4.93	--	--	--	94.2	< 250	--	--	--
BV-3	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 282	--	--	--
BV-3	6/30/2000	**77.6**	5.21	10.9	148	--	--	--	**1,110**	**507**	< 750	--	--
BV-3	9/27/2000	**62.3**	4.47	119	333	--	--	--	**3,170**	**863**	< 750	--	--
BV-4	6/30/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
BV-4	12/29/1998	**7.59**	< 1.0	< 1.0	< 2.0	--	--	--	< 100	< 250	< 750	--	--
BV-4	9/27/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	--	--	--
BV-5	7/20/1995	**3,700**	110	540	**2,200**	--	--	--	**26,000**	**18,000**	**30,000**	--	--
BV-5	10/26/1995	**4,000**	520	440	**2,100**	--	--	--	**42,000**	**8,200**	**12,000**	--	--
BV-5	1/23/1996	**4,400**	970	**760**	**4,400**	--	--	--	**1,300,000**	**7,100**	**8,500**	--	--
BV-5	10/23/1997	1.57	< 0.5	3.31	3.34	--	--	--	771	**1,150**	**4,130**	--	--
BV-5	12/29/1998	**79.1**	< 1.25	41.8	8.45	--	--	--	**848**	< 250	< 750	--	--
BV-5	9/27/1999	**68.7**	< 1.00	25.1	< 2.00	--	--	--	**809**	**3,500**	--	--	--
BV-5	12/20/1999	**53.7**	2.05	3.47	9.94	--	--	--	416	**506**	--	--	--
BV-5	3/16/2000	**145**	< 0.500	101	43.3	--	--	--	**3,900**	**13,000**	< 8250	--	--
BV-5	11/10/2000	**242**	993	242	876	--	--	--	**9,340**	< 250	< 750	--	--
BV-5	3/19/2001	**84.4**	100	99.5	289	< 5.00	--	--	**4,540**	**781**	< 750	--	--
BV-6	4/10/1995	**160**	4.4	0.61	8.9	--	--	--	120	--	--	--	--
BV-6	10/26/1995	**98**	2.4	< 0.5	3.3	--	--	--	< 50	--	--	--	--
BV-7	5/29/1997	**289**	281	4.7	907	--	--	--	**28,300**	**28,500**	**62,700**	--	--
BV-7	8/5/1997	**686**	441	< 12.5	751	--	--	--	**12,500**	**32,700**	**75,900**	--	--
BV-7	10/23/1997	**769**	**1,350**	15.2	**1,440**	--	--	--	**16,200**	**42,400**	**134,000**	--	--
BV-7	9/25/1998	**6,460**	**7,020**	**750**	**11,300**	--	--	--	**209,000**	**53,300**	**148,000**	--	--
BV-7	12/29/1998	**7.33**	14.9	< 4.0	< 160	--	--	--	**14,700**	**35,700**	**78,800**	--	--
BV-7	3/9/1999	**16.8**	30.8	4.32	54.5	--	--	--	**1,490**	**53,700**	**133,000**	--	--
BV-7	6/2/1999	**4,790**	**3,510**	91.8	**1,410**	--	--	--	**18,100**	**57,900**	**122,000**	--	--
BV-7	12/20/1999	**29.3**	2.01	1.34	78.8	--	--	--	580	< 250	--	--	--
BV-7	6/30/2000	**1,290**	249	< 25.0	826	--	--	--	**6,130**	**122,000**	**271,000**	--	--
BV-7	11/10/2000	**1,910**	385	91.1	**1,220**	--	--	--	**24,400**	**335,000**	**377,000**	--	--
BV-7	3/19/2001	**1,880**	524	103	**2,110**	**57.2**	--	--	**13,100**	**3,060**	< 938	--	--
BV-7	6/27/2001	**1,250**	515	89.1	**2,070**	**52.9**	--	--	**11,900**	**2,940**	< 750	--	--
BV-7	9/26/2001	**645**	113	49.5	739	< 50.0	--	--	**9,090**	**23,100**	**49,000**	--	--

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

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
SVE-1	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	**61**
SVE-1	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	380	< 750	--	--
SVE-1	12/20/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
SVE-1	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
SVE-1	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	309	< 847	--	--
SVE-1	6/27/2001	< 0.500	< 0.500	< 0.500	< 1.00	6.02	--	--	< 50.0	< 250	< 750	--	--
SVE-1	9/26/2001	< 0.500	< 0.500	< 0.500	< 1.00	14.7	--	--	< 50.0	< 250	< 750	--	--
SVE-1	12/3/2001	< 0.500	< 0.500	< 0.500	< 1.00	**25.5**	--	--	< 50.0	< 250	< 500	--	--
SVE-1	6/6/2002	< 0.500	< 0.500	< 0.500	< 1.00	2.63	< 0.01	< 1.00	< 50.0	< 250	< 500	< 1.00	< 1.00
SVE-1	6/26/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	< 1.00	< 50.0	< 287	< 575	< 1.00	3.55
SVE-1	12/9/2003	< 0.500	< 0.500	< 0.500	< 1.00	**21.2**	--	--	< 50.0	< 250	< 500	< 1.00	< 1.00
SVE-1	11/16/2004	< 0.200	< 0.500	< 0.500	< 1.00	17.7	--	--	< 80.0	< 250	< 500	< 1.00	< 1.00
SVE-1	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	6.1	--	--	< 50.0	< 243	< 485	< 1.00	< 1.00
SVE-1	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	< 538	< 1.00	< 1.00
SVE-1	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	--
SVE-1	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
SVE-1	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	1.61
SVE-1	4/2/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	--
SVE-1	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	< 1.00
SVE-1	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	2.68
SVE-1	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 236	< 472	--	< 1.00
SVE-1	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 243	< 485	< 1.00	12
SVE-2	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	**47**
SVE-2	4/11/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**610**	< 1000	--	--
SVE-2	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	360	< 750	--	--
SVE-2	10/25/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	420	< 750	--	--
SVE-2	1/23/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	310	< 750	--	--
SVE-2	4/17/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	--
SVE-2	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	356	< 750	--	--
SVE-2	6/30/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
SVE-2	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	< 250	< 750	--	--
SVE-3	11/10/2000	**733**	**2,850**	456	**1,960**	--	--	--	**20,300**	**1,950**	**6,950**	--	--
SVE-3	6/27/2001	**184**	**1,120**	180	995	< 10.0	--	--	**10,600**	**1,560**	**1,980**	--	--
SVE-3	9/26/2001	**82.6**	492	99.4	961	< 20.0	--	--	**6,540**	< 250	< 750	--	--
SVE-3	12/3/2001	**72.3**	549	67.6	600	< 50.0	--	--	**3,360**	**2,410**	**10,800**	--	--
SVE-3	6/6/2002	**50.7**	31.0	86.8	168	< 2.00	--	< 1.00	**1,910**	--	--	--	--
SVE-3	6/26/2003	**90.6**	169	238	981	< 2.50	--	--	**7,030**	--	--	--	--
SVE-3	12/9/2003	**34.4**	44.8	82.9	220	< 2.50	--	--	**3,190**	**14,000**	**59,900**	< 1.00	**24.2**

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Groundwater Analytical Data
ARCO Facility No. 980
10822 Roosebelt Way NE, Seattle, WA 98125

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
SVE-3	4/7/2004	**11.60**	12.5	37.3	70.9	< 1.00	--	--	**3,610**	**2,180**	**8,300**	< 1.00	4.30
SVE-3	11/16/2004	4.35	0.650	9.44	17.5	< 2.00	--	--	614	**6,080**	**23,200**	< 1.00	3.36
SVE-3	3/29/2005	0.780	< 0.500	0.700	1.28	< 2.00	< 0.010	< 0.500	141	367	**1,610**	--	**26**
SVE-3	6/22/2005	1.59	< 0.500	9.01	15.8	< 2.00	--	--	730	**4,210**	**16,900**	< 1.00	**37**
SVE-3	9/12/2005	**31.6**	724	344	**1,480**	< 2.00	--	--	**7,190**	**13,200**	**61,000**	< 1.00	**40.9**
SVE-3	12/6/2005	1.41	0.83	11.5	23.2	< 1.00	--	--	**845**	**617**	**788**	< 1.00	< 1.00
SVE-3	6/5/2006	< 0.500	< 0.500	5.66	20.6	< 1.00	--	--	**9,870**	**12,300**	**45,300**	< 1.00	1.36
SVE-3	12/19/2006	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--	--	--
SVE-3	9/24/2007	2.42	0.81	91.1	134	< 1.00	--	--	**4,830**	**1,600**	**9,260**	--	--
SVE-3	1/30/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	175	< 238	< 476	--	--
SVE-3	5/25/2010	1.4	130	24	110	< 1.00	--	--	**1,700**	**1,800**	**4,300**	< 2.00	3.8
SVE-3	12/7/2010	< 0.50	< 0.50	11	13	< 1.0	--	--	590	**2,700**	**20,000**	< 2.0	4.0
SVE-3	1/26/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	**1,100**	**8,500**	< 2.0	4.3
SVE-3	6/16/2011	< 0.50	< 0.50	9.3	6.9	< 1.0	--	--	320	**2,100**	**5,400**	< 2.0	7.7
SVE-3	6/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 160	< 800	< 10.0	< 10.0
AS-1	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**6,100**	**7,900**	--	--
AS-2	2/15/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**12,000**	**45,000**	--	**430**
AS-2	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**8,400**	**6,800**	--	--
AS-3	10/5/1994	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--	--	**22**
AS-3	7/20/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	**1,500**	**2,600**	--	--
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	5.70	--	--	--	196	**1,050**	**1,530**	--	--
B1 (JPHC)	3/16/2000	**538**	119	42.6	142	--	--	--	**2,170**	**4,580**	**1,880**	--	--
B1 (JPHC)	6/30/2000	**1,430**	629	155	658	--	--	--	**6,510**	**4,820**	**973**	--	--
B1 (JPHC)	9/27/2000	**1,180**	203	62.0	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**	--	--

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

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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**	14.3	**447**
B1 (JPHC)	12/9/2003	**454**	10.7	34.8	354	< 5.00	--	--	**4,650**	**10,700**	**20,500**	1.62	4.60
B1 (JPHC)	4/7/2004	**2,650**	428	383	**1,730**	< 100	--	--	**24,500**	**11,200**	**20,200**	13.3	5.13
B1 (JPHC)	11/16/2004	**3,470**	15	260	**1,190**	< 40.0	--	--	**45,000**	**6,730**	**3,770**	1.39	9.55
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**	1.73	**24.5**
B1 (JPHC)	9/12/2005	**3,890**	64.4	**986**	**4,280**	**25.4**	--	--	**115,000**	**4,270**	**7,990**	11.5	**69.4**
B1 (JPHC)	12/6/2005	**5,400**	99.0	625	**2,220**	< 100	--	--	**25,400**	**6,360**	**12,700**	1.51	4.1
B1 (JPHC)	6/5/2006	**4,440**	75.0	316	885	< 100	--	--	**16,800**	**4,750**	--	1.56	**21.5**
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	5.19	5.36
B1 (JPHC)	7/8/2009	**24.6**	< 0.500	< 0.500	< 1.00	< 2.00	--	--	152	< 240	< 481	5.74	6.81
B1 (JPHC)	10/6/2009	**54**	1.2	3.6	< 2.00	< 1.00	--	--	**950**	315	**534**	5.6	**31**
B1 (JPHC)	1/6/2010	**110**	2.2	9.5	10	< 1.00	--	--	**1,000**	**810**	< 240	6.9	7.7
B1 (JPHC)	5/25/2010	**250**	11	26	64	< 1.00	--	--	**1,400**	**13,000**	**720**	6.5	13
B1 (JPHC)	8/19/2010	**280**	26	32	120	< 1.00	--	--	**2,000**	**11,000**	**780**	5.0	11
B1 (JPHC)	12/7/2010	**150**	42	39	160	< 1.0	--	--	**2,900**	**4,700**	**650**	4.8	6.6
B1 (JPHC)	1/26/2011	**41**	16	21	100	< 1.0	--	--	**1,200**	**3,000**	370	4.1	4.9
B1 (JPHC)	6/16/2011	**140**	8.2	52	340	< 1.0	--	--	**4,600**	**7,700**	**1,600**	4.2	8.0
B1 (JPHC)	9/22/2011	3.3	< 0.50	2.7	9.2	1.5	--	--	520	304	< 476	< 2.0	3.3
B1 (JPHC)	12/6/2011	< 1.0	< 1.0	< 1.0	< 3.0	1.6	--	--	337	129	< 381	< 10.0	< 10.0
B1 (JPHC)	3/8/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	83.0	86.6	< 400	< 10.0	< 10.0
B1 (JPHC)	6/19/2012	**16.9**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	**697**	< 800	< 10.0	< 10.0
B1 (JPHC)	9/21/2012	**37.5**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	448	232	**546**	< 10.0	< 10.0
B1 (JPHC)	12/11/2012	**9.4**	< 1.0	< 1.0	< 3.0	< 1.0	--	--	359	**989**	464	< 3.0	< 3.0
B1 (JPHC)	6/26/2013	**150**	2.2	23	41	< 0.50	--	--	**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**	1.3 J	2.0
B1 (JPHC)	4/2/2014	**110**	3.4 J	23	70	< 0.74	--	--	**1,800**	**4,500 BY**	410 BY	0.93 J	1.4 J
B1 (JPHC)	7/11/2014	**140**	3.9	32	100	< 0.17	--	--	**1,600 B**	**5,400 BY**	**600 Y**	1.0 J	1.4 J
B1 (JPHC)	10/22/2014	**160**	4.9	39	180 B	0.20 J	--	--	**2,500 B**	**2,300 Y**	30 J	0.60 J	1.4 JB
B1 (JPHC)	1/21/2015	**130**	2.4	21	88	< 0.17	--	--	**1,700**	**4,600 H1BY^**	300 H1Y^	0.39 J	0.51 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**	< 0.17	0.27 J

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	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
B1 (JPHC)	6/1/2016	**93**	2.1	10	34	< 0.11	--	--	**1,400**	**4,400**	**1,000**	0.32 J	1.6 J
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**	3.0	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**	2.0	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	6.0	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
B1 (JPHC)	9/28/2020	**13**	< 2.0	< 3.0	11	< 2.0	--	--	**870**	**2,200**	**1,300**	< 4.0	< 4.0
B1 (JPHC)	9/28/2020	**13**	< 2.0	< 3.0	11	< 2.0	--	--	**870**	**2,200**	**1,300**	< 4.0	< 4.0
B1 (JPHC)	3/23/2021	**9.4**	< 1.0	< 1.0	3.4	< 1.0	--	--	640	**1,600**	**1,000**	< 2.0	< 2.0
B1 (JPHC)	11/8/2021	**19**	< 1.0	1.4	9.3	< 1.0	--	--	**910**	**2,500**	**1,700**	< 2.0	< 2.0
B1 (JPHC)	12/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	**670**	< 360	< 2.0	2.2
B1 (JPHC)	3/30/2022	**12**	< 1.0	< 1.0	< 2.0	< 1.0	--	--	76 *3	**1,100**	**550**	< 2.0	< 2.0
B1 (JPHC)	6/27/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	330	< 260	< 0.50	1.8
B1 (JPHC)	9/7/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	**700**	400	< 2.0	< 2.0
B1 (JPHC)	3/29/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 1.0	< 50	**570**	< 370	< 2.0	< 2.0
B3 (JPHC)	2/15/1995	1.0	< 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	0.90	< 0.5	2.6	--	--	--	91	370	< 750	--	--
B3 (JPHC)	10/25/1995	0.57	2.6	0.84	9.0	--	--	--	750	**810**	**1,600**	--	--
B3 (JPHC)	1/23/1996	0.64	11	3.6	35.0	--	--	--	**5,400**	**810**	**1,900**	--	--
B3 (JPHC)	4/17/1996	< 0.5	1.0	< 0.5	< 1.0	--	--	--	80	330	< 750	--	--
B3 (JPHC)	7/8/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	415	< 750	--	--
B3 (JPHC)	10/10/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 250	< 750	--	--
B3 (JPHC)	3/11/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	407	< 750	--	--
B3 (JPHC)	5/29/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	402	**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	--	--	--

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	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
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	< 1.00	**23.5**
B3 (JPHC)	6/26/2003	< 0.500	< 0.500	1.30	7.36	< 1.00	--	--	296	289	< 500	< 1.00	11.3
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	< 1.00	2.28
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	< 1.00	**18.9**
B3 (JPHC)	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	3.82	--	--	< 50.0	< 250	< 500	< 1.00	4.12
B3 (JPHC)	12/6/2005	< 0.500	< 0.500	< 0.500	< 1.00	4.49	--	--	74.3	253	< 485	< 1.00	3.25
B3 (JPHC)	6/5/2006	< 0.500	< 0.500	< 0.500	< 1.00	1.17	--	--	< 50.0	< 278	< 556	< 1.00	1.95
B3 (JPHC)	9/24/2007	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 245	< 490	--	--
B3 (JPHC)	1/29/2008	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	< 50.0	< 238	< 476	--	1.59
B3 (JPHC)	7/1/2008	< 0.500	< 0.500	< 0.500	< 3.00	15.6	--	--	< 50.0	< 236	< 472	--	< 1.00
B3 (JPHC)	10/3/2008	< 0.500	< 0.500	< 0.500	< 3.00	**23.5**	--	--	< 50.0	< 236	< 472	--	**16.9**
B3 (JPHC)	1/6/2009	< 0.500	< 0.500	< 0.500	< 3.00	**24.1**	--	--	< 50.0	< 236	< 472	--	7.6
B3 (JPHC)	4/8/2009	< 0.500	< 0.500	< 0.500	< 1.00	5.94	--	--	< 50.0	< 240	< 481	< 1.00	1.62
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	< 2.00	7.6
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	< 2.00	6.1
B3 (JPHC)	12/7/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 120	< 240	< 2.0	6.1
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	< 2.0	2.3
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

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

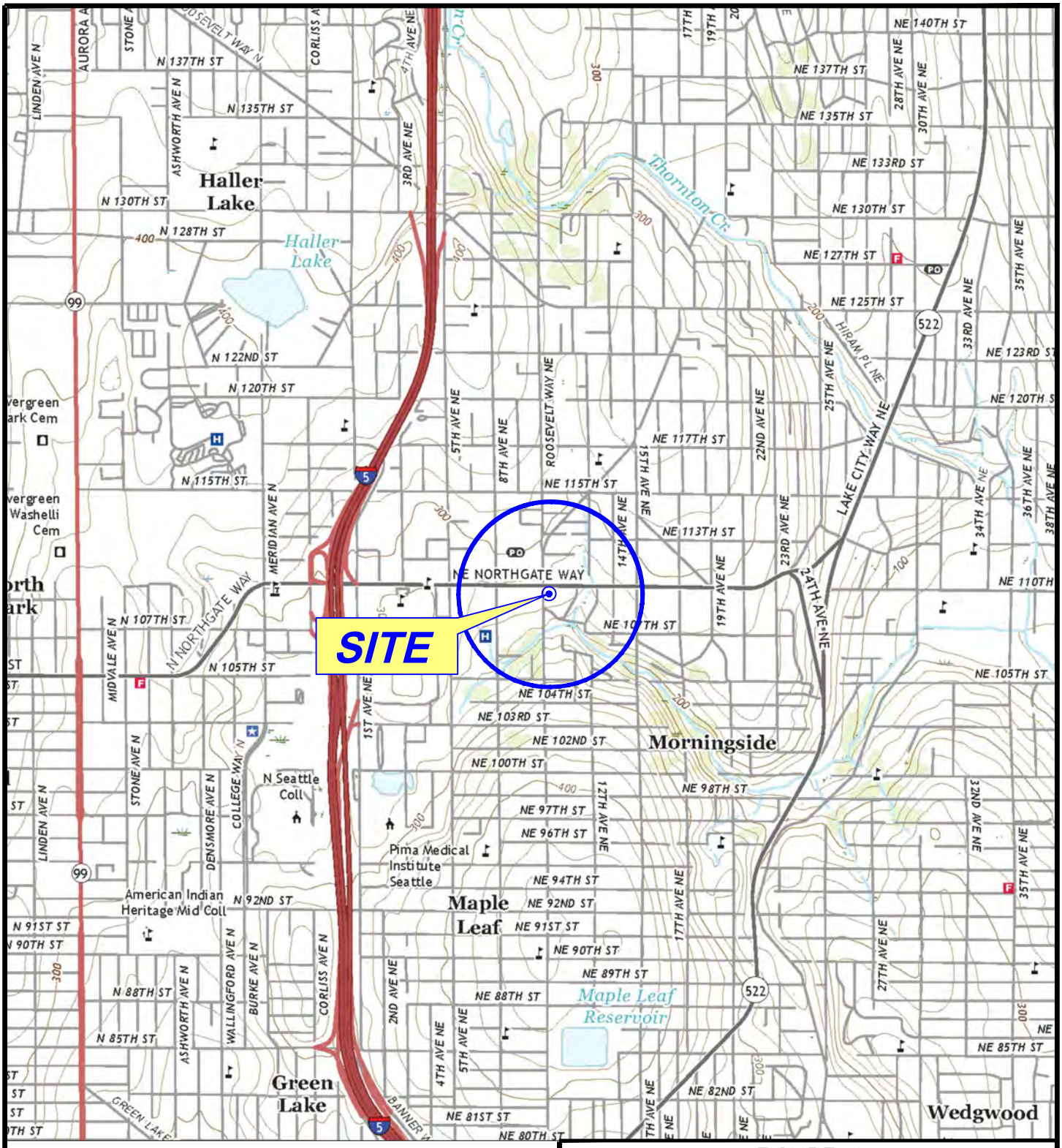
CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Dissolved Lead	Total Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**
B3 (JPHC)	7/11/2014	< 0.14	< 0.16	< 0.13	0.13 J	< 0.17	--	--	15 JB	140 BY	130 J	0.77 J	0.22 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
B3 (JPHC)	3/23/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 370	< 2.0	< 2.0
B3 (JPHC)	3/29/2023	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 0.010	< 1.0	< 50	110	< 350	< 2.0	< 2.0
IW-1	11/17/2017	--	--	--	--	--	--	--	--	--	--	--	3.1
IW-1	12/7/2017	**11**	2.5	25	310	--	--	--	**9,800**	--	--	--	--

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

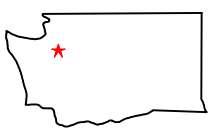
CONSTITUENT / UNIT	B ug/L	T ug/L	E ug/L	X ug/L	MTBE ug/L	EDB ug/L	EDC ug/L	TPH-G ug/L	TPH-D ug/L	TPH-O ug/L	Dissolved Lead ug/L	Total Lead ug/L
MTCA METHOD A CLEANUP LEVELS	**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**1,000/800[1]**	**500**	**500**	**15**	**15**

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
NE = Not evaluated
<1.0 = Concentrations were not detected above the laboratory method reporting limit.
ug/L = Micrograms per liter (ppb)
ND = Not detected
-- = No value given/Not analyzed/Not applicable
MTCA = Model Toxics Control Act
Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels
* = LCS or LCSD is outside acceptance limits
*1 = LCS/LCSD RPD exceeds control limits.
*3 = ISTD response or retention time outside acceptable 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.
*+ = LCS and/or LCSD is outside acceptance limits, high biased.
S1-Surrogate recovery exceeds control limits, low biased.
S1+Surrogate recovery exceeds control limits, high biased.
** Sample from PDB within well

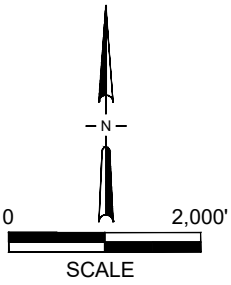
Figures



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



QUADRANGLE LOCATION



SCALE

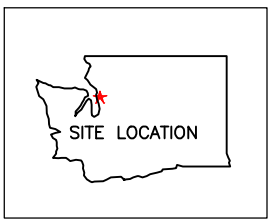
FIGURE 1
SITE LOCATION MAP

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

PROJECT NO. WA - 00980 SEATTLE		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



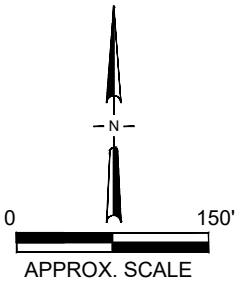


FIGURE 2
SITE AERIAL MAP

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

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

antea group

NE NORTHGATE WAY

ROOSEVELT WAY NE

MW-4	
Date	3/30/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.0099 *+
EDC	< 1.0
TPH-G	< 50
TPH-D	420
TPH-O	**620**
Pb-D	< 2.0
Pb-T	< 2.0

MW-21	
Date	3/30/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.010 *+
EDC	< 1.0
TPH-G	< 50
TPH-D	140
TPH-O	< 360
Pb-D	< 2.0
Pb-T	< 2.0

MW-23	
Date	3/29/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.010
EDC	< 1.0
TPH-G	< 50
TPH-D	190
TPH-O	370
Pb-D	< 2.0
Pb-T	< 2.0

MW-20	
Date	3/30/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.010 *+
EDC	< 1.0
TPH-G	< 50
TPH-D	150
TPH-O	< 360
Pb-D	< 2.0
Pb-T	< 2.0

MW-13	
Date	3/29/2023
B	< 1.0 H
T	< 1.0 H
E	< 1.0 H
X	< 2.0 H
MTBE	< 1.0 H
EDB	< 0.010
EDC	< 1.0 H
TPH-G	< 50
TPH-D	360
TPH-O	< 350
Pb-D	< 2.0
Pb-T	< 2.0

MW-12	
Date	3/29/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.010
EDC	< 1.0
TPH-G	< 50
TPH-D	240
TPH-O	420
Pb-D	< 2.0
Pb-T	< 2.0

B1 (JPHC)	
Date	3/29/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.010
EDC	< 1.0
TPH-G	< 50
TPH-D	**570**
TPH-O	< 370
Pb-D	< 2.0
Pb-T	< 2.0

MW-11	
Date	3/30/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.010 *+
EDC	< 1.0
TPH-G	< 50
TPH-D	**660**
TPH-O	**1,400**
Pb-D	< 2.0
Pb-T	< 2.0

B3 (JPHC)	
Date	3/29/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.010
EDC	< 1.0
TPH-G	< 50
TPH-D	110
TPH-O	< 350
Pb-D	< 2.0
Pb-T	< 2.0

MW-24	
Date	3/29/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
EDB	< 0.010
EDC	< 1.0
TPH-G	< 50
TPH-D	< 110
TPH-O	< 350
Pb-D	< 2.0
Pb-T	< 2.0

MW-1 (260.75)
MW-2 (253.23)
MW-3 (252.74)
MW-4 (245.22)
MW-5 (245.76)
MW-6 (252.73)
MW-7 (246.78)
MW-8 (245.25)
MW-9 (242.86)
MW-10 (241.85)
MW-11 (245.92)
MW-12 (246.36)
MW-13 (247.65)
MW-14 (253.15)
MW-15 (245.88)
MW-16
MW-17 (243.14)
MW-18 (241.68)
MW-19 (241.56)
MW-20 (247.37)
MW-21 (251.95)
MW-23 (248.32)
MW-24 (244.80)
B1 (JPHC) (245.70)
B3 (JPHC) (245.20)

Canopy
Tank Basin
Pump Islands
Former Hydraulic Oil UST
Pump Island
Former Waste Oil UST
Former Fuel Oil UST
ARCO 980
Utility Junction Vault
Residential
Ismahan Family Child Care
Caribbean House Apartments

260
258
256
254
252
250
248
246
244
242

LEGEND

- GROUNDWATER MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR (ft)
- INFERRED GROUNDWATER FLOW DIRECTION (0.097 ft/ft)
- PROPERTY BOUNDARY
- SITE FEATURES
- FORMER SITE FEATURES
- CATCH BASIN

Well ID	
Date	Sample Date
B	Benzene
T	Toluene
E	Ethybenzene
X	Total Xylenes
MTBE	Methyl Tert-Butyl Ether
EDB	1,2-Dibromo-ethane
EDC	1,2-Dichloro-ethane
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
*+ = LCS and/or LCSD is outside acceptance limits, high biased
H = Sample was prepped or analyzed beyond the specific holding time
(244.80) = Groundwater Elevation (ft)

0 10 20 30 60 90 Feet

N

FIGURE 3

GROUNDWATER ELECVATION CONTOUR AND ANALYTICAL DATA MAP
MARCH 29 AND 30, 2023
ARCO FACILITY NO. 980
10822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

PROJECT NO.	PREPARED BY	REF SCALE
WA-00980 Seattle	JS	1:360
DATE	REVIEWED BY	MAP SCALE
7/7/2023	NH	1 inch = 30 feet

anteagroup

Document Path: Z:\!GIS Projects\BP\BP_WA\980 Seattle- CROSS CHECK CAD FILE\Layout\GWEAnalytical1Q23.mxd

NE NORTHGATE WAY

ROOSEVELT WAY NE

MW-1
MW-3
Canopy
Tank Basin
Former Hydraulic Oil UST
Pump Islands
MW-21
MW-23
(246.51)
Pump Island
MW-7
MW-20
MW-6
Residential
Ismahan Family Child Care
Former Waste Oil UST
ARCO 980
Former Fuel Oil UST
MW-2
MW-4
MW-5
MW-11
MW-13
MW-14
MW-15
B3 (JPHC)
MW-16
MW-12
B1 (JPHC)
MW-24
(243.12)
Caribbean House Apartments
MW-8
MW-9
MW-10
MW-17
MW-19
MW-18
Residential
Residential

MW-23	
Date	6/28/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 3.0
MTBE	< 1.0
EDB	< 0.010
EDC	< 1.0
TPH-G	< 50
TPH-D	< 110
TPH-O	< 360
Pb-D	< 2.0
Pb-T	< 2.0

MW-24	
Date	6/28/2023
B	< 1.0
T	< 1.0
E	< 1.0
X	< 3.0
MTBE	< 1.0
EDB	< 0.010
EDC	< 1.0
TPH-G	< 50
TPH-D	< 110
TPH-O	< 350
Pb-D	< 2.0
Pb-T	< 2.0

LEGEND

- GROUNDWATER MONITORING WELL
- CATCH BASIN
- PROPERTY BOUNDARY
- SITE FEATURES
- FORMER SITE FEATURES

Well ID	
Date	Sample Date
B	Benzene
T	Toluene
E	Ethybenzene
X	Total Xylenes
MTBE	Methyl Tert-Butyl Ether
EDB	1,2-Dibromo-ethane
EDC	1,2-Dichloro-ethane
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
(243.12) = Groundwater Elevation (ft)

0 10 20 30 60 90 Feet

N

FIGURE 4

GROUNDWATER ANALYTICAL AND ELEVATION MAP
JUNE 28, 2023
ARCO FACILITY NO. 980
10822 ROOSEVELT WAY NE
SEATTLE, WASHINGTON

PROJECT NO.	PREPARED BY	REF SCALE
WA - 00980 Seattle	JS	1:360
DATE	REVIEWED BY	MAP SCALE
8/4/2023	NH	1 inch = 30 feet

anteagroup

Z:\!GIS Projects\BP\BP_WA\980 Seattle- CROSS CHECK CAD FILE\Layout\GWEAnalytical2Q23Extra.mxd

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Megan Richard
Antea USA Inc.
18378-B Redmond Way
Redmond, Washington 98052

Generated 4/21/2023 10:23:00 AM

JOB DESCRIPTION

BP -ARCO 980

JOB NUMBER

580-125419-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

Eurofins Seattle

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Compliance Statement

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 Environment Testing (USA) and its client. This report shall not be reproduced, except in full, without written permission from Eurofins Environment Testing (USA). 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.

Authorization

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4/21/2023 10:23:00 AM

Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 580-125419-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Job ID: 580-125419-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-125419-1

Receipt
The samples were received on 3/31/2023 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.3º C and 2.5º C.

Receipt Exceptions
1 of 18 vials for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-21_20230330 (580-125419-6), MW-21_20230330 (580-125419-6[MS]) and MW-21_20230330 (580-125419-6[MSD]). The container labels list MW-30-20230330 3/30/23 1015, while the COC lists MW-21-20230330 3/30/23 1015. This vial is assumed to be the MW-21 vial as it was in the same bag as other MW-21 vials.

GC/MS VOA
Method 8260D: Reanalysis of the following sample was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW-13_20230329 (580-125419-4); This was due to surrogate failure in initial run. This data is reported as secondary.

Method NWTPH-Gx: Reanalysis of the following sample was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW-13_20230329 (580-125419-4); This sample was rerun due to surrogate failure in initial run. This data is reported as secondary.

Method NWTPH-Gx: Surrogate recovery for the following sample was outside control limits: MW-13_20230329 (580-125419-4). Re-analysis was performed outside of holding time with acceptable results.

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

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 580-423218 recovered above the upper control limit for Ethylene Dibromide. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-4_20230330 (580-125419-1), MW-11_20230330 (580-125419-2) and (CCV 580-422968/5-A).

Method 8011: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-422638 and analytical batch 580-423014 recovered outside control limits for 1,2-Dibromo-3-Chloropropane. The %r was winting acceptable range.

Method 8011: The low-level laboratory control sample (LLCS) for preparation batch 580-422968 and 580-422968 and analytical batch 580-423218 recovered outside control limits for Ethylene Dibromide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the 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.

Organic Prep
Method 8011: The following samples formed emulsions during the extraction procedure 125419-D-8, 125419-E-9, 125419-F-3, 125419-F-4

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

VOA Prep
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: 580-125419-1

Client Sample ID: MW-4_20230330 — Lab Sample ID: 580-125419-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	420		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	620		360		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-11_20230330 — Lab Sample ID: 580-125419-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	660		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	1400		360		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-12_20230329 — Lab Sample ID: 580-125419-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	240		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	420		350		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-13_20230329 — Lab Sample ID: 580-125419-4

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

Client Sample ID: MW-20_20230330 — Lab Sample ID: 580-125419-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	150		110		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-21_20230330 — Lab Sample ID: 580-125419-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	140		110		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-23_20230329 — Lab Sample ID: 580-125419-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	190		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	370		360		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-24_20230329 — Lab Sample ID: 580-125419-8

No Detections.

Client Sample ID: B1 (JPHC)_20230329 — Lab Sample ID: 580-125419-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	570		120		ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: B3 (JPHC)_20230329 — Lab Sample ID: 580-125419-10

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: Dup-1_20230330 — Lab Sample ID: 580-125419-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	400		110		ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	570		360		ug/L	1		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Seattle

Detection Summary

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

Job ID: 580-125419-1

Client Sample ID: Trip Blank_20230330

Lab Sample ID: 580-125419-12

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-4_20230330

Date Collected: 03/30/23 11:45
Date Received: 03/31/23 10:15

Lab Sample ID: 580-125419-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/23 14:33	1
Benzene	ND		1.0		ug/L			04/04/23 14:33	1
Toluene	ND		1.0		ug/L			04/04/23 14:33	1
Ethylbenzene	ND		1.0		ug/L			04/04/23 14:33	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/23 14:33	1
o-Xylene	ND		1.0		ug/L			04/04/23 14:33	1
Xylenes, Total	ND		2.0		ug/L			04/04/23 14:33	1
EDC	ND		1.0		ug/L			04/04/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/04/23 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*04/04/23 14:33*	*1*
4-Bromofluorobenzene (Surr)	*85*		*80 - 120*		*04/04/23 14:33*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*04/04/23 14:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/04/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*77 - 123*		*04/04/23 14:33*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0099		ug/L		04/11/23 15:06	04/13/23 20:38	1
1,2-Dibromo-3-Chloropropane	ND		0.0099		ug/L		04/11/23 15:06	04/13/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*97*		*60 - 140*	*04/11/23 15:06*	*04/13/23 20:38*	*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)	**420**		110		ug/L		04/05/23 10:21	04/06/23 13:41	1
Motor Oil (>C24-C36)	**620**		360		ug/L		04/05/23 10:21	04/06/23 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*50 - 150*	*04/05/23 10:21*	*04/06/23 13:41*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:02	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:35	5

Client Sample ID: MW-11_20230330

Date Collected: 03/30/23 11:10
Date Received: 03/31/23 10:15

Lab Sample ID: 580-125419-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/23 14:57	1
Benzene	ND		1.0		ug/L			04/04/23 14:57	1
Toluene	ND		1.0		ug/L			04/04/23 14:57	1
Ethylbenzene	ND		1.0		ug/L			04/04/23 14:57	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/23 14:57	1
o-Xylene	ND		1.0		ug/L			04/04/23 14:57	1
Xylenes, Total	ND		2.0		ug/L			04/04/23 14:57	1
EDC	ND		1.0		ug/L			04/04/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/04/23 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*04/04/23 14:57*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*04/04/23 14:57*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*04/04/23 14:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/04/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*77 - 123*		*04/04/23 14:57*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.010		ug/L		04/11/23 15:06	04/13/23 20:54	1
1,2-Dibromo-3-Chloropropane	ND		0.010		ug/L		04/11/23 15:06	04/13/23 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*100*		*60 - 140*	*04/11/23 15:06*	*04/13/23 20:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**660**		110		ug/L		04/05/23 10:21	04/06/23 14:01	1
Motor Oil (>C24-C36)	**1400**		360		ug/L		04/05/23 10:21	04/06/23 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*64*		*50 - 150*	*04/05/23 10:21*	*04/06/23 14:01*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:05	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:50	5

Client Sample ID: MW-12_20230329

Date Collected: 03/29/23 12:15
Date Received: 03/31/23 10:15

Lab Sample ID: 580-125419-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/03/23 07:35	1
Benzene	ND		1.0		ug/L			04/03/23 07:35	1
Toluene	ND		1.0		ug/L			04/03/23 07:35	1
Ethylbenzene	ND		1.0		ug/L			04/03/23 07:35	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/03/23 07:35	1
o-Xylene	ND		1.0		ug/L			04/03/23 07:35	1
Xylenes, Total	ND		2.0		ug/L			04/03/23 07:35	1
EDC	ND		1.0		ug/L			04/03/23 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/03/23 07:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*04/03/23 07:35*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*04/03/23 07:35*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*04/03/23 07:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/03/23 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*77 - 123*		*04/03/23 07:35*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		04/07/23 11:01	04/12/23 12:06	1
1,2-Dibromo-3-Chloropropane	ND	*1	0.010		ug/L		04/07/23 11:01	04/12/23 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*101*		*60 - 140*	*04/07/23 11:01*	*04/12/23 12:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**240**		110		ug/L		04/04/23 09:57	04/05/23 14:56	1
Motor Oil (>C24-C36)	**420**		350		ug/L		04/04/23 09:57	04/05/23 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*66*		*50 - 150*	*04/04/23 09:57*	*04/05/23 14:56*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:08	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:53	5

Client Sample ID: MW-13_20230329

Date Collected: 03/29/23 11:25
Date Received: 03/31/23 10:15

Lab Sample ID: 580-125419-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/03/23 07:59	1
Benzene	ND		1.0		ug/L			04/03/23 07:59	1
Toluene	ND		1.0		ug/L			04/03/23 07:59	1
Ethylbenzene	ND		1.0		ug/L			04/03/23 07:59	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/03/23 07:59	1
o-Xylene	ND		1.0		ug/L			04/03/23 07:59	1
Xylenes, Total	ND		2.0		ug/L			04/03/23 07:59	1
EDC	ND		1.0		ug/L			04/03/23 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*115*		*80 - 120*		*04/03/23 07:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/03/23 07:59*	*1*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*80 - 120*		*04/03/23 07:59*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*04/03/23 07:59*	*1*

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	H	1.0		ug/L			04/19/23 20:36	1
Benzene	ND	H	1.0		ug/L			04/19/23 20:36	1
Toluene	ND	H	1.0		ug/L			04/19/23 20:36	1
Ethylbenzene	ND	H	1.0		ug/L			04/19/23 20:36	1
m-Xylene & p-Xylene	ND	H	2.0		ug/L			04/19/23 20:36	1
o-Xylene	ND	H	1.0		ug/L			04/19/23 20:36	1
Xylenes, Total	ND	H	2.0		ug/L			04/19/23 20:36	1
EDC	ND	H	1.0		ug/L			04/19/23 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/19/23 20:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/19/23 20:36*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*04/19/23 20:36*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*04/19/23 20:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/03/23 07:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*77 - 123*		*04/03/23 07:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	0.050		mg/L			04/19/23 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*77 - 123*		*04/19/23 20:36*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		04/07/23 11:01	04/12/23 12:37	1
1,2-Dibromo-3-Chloropropane	ND	*1	0.010		ug/L		04/07/23 11:01	04/12/23 12:37	1

Client Sample ID: MW-13_20230329

Lab Sample ID: 580-125419-4

Date Collected: 03/29/23 11:25
Date Received: 03/31/23 10:15

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*97*		*60 - 140*	*04/07/23 11:01*	*04/12/23 12:37*	*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)	**360**		110		ug/L		04/04/23 09:57	04/05/23 15:17	1
Motor Oil (>C24-C36)	ND		350		ug/L		04/04/23 09:57	04/05/23 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*58*		*50 - 150*	*04/04/23 09:57*	*04/05/23 15:17*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:11	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:27	5

Client Sample ID: MW-20_20230330

Lab Sample ID: 580-125419-5

Date Collected: 03/30/23 09:45
Date Received: 03/31/23 10:15

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/23 17:22	1
Benzene	ND		1.0		ug/L			04/04/23 17:22	1
Toluene	ND		1.0		ug/L			04/04/23 17:22	1
Ethylbenzene	ND		1.0		ug/L			04/04/23 17:22	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/23 17:22	1
o-Xylene	ND		1.0		ug/L			04/04/23 17:22	1
Xylenes, Total	ND		2.0		ug/L			04/04/23 17:22	1
EDC	ND		1.0		ug/L			04/04/23 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/04/23 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*04/04/23 17:22*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*04/04/23 17:22*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*04/04/23 17:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/04/23 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*77 - 123*		*04/04/23 17:22*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.010		ug/L		04/11/23 15:06	04/13/23 21:40	1
1,2-Dibromo-3-Chloropropane	ND		0.010		ug/L		04/11/23 15:06	04/13/23 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*98*		*60 - 140*	*04/11/23 15:06*	*04/13/23 21:40*	*1*

Client Sample ID: MW-20_20230330

Lab Sample ID: 580-125419-5

Date Collected: 03/30/23 09:45
Matrix: Water
Date Received: 03/31/23 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**150**		110		ug/L		04/05/23 10:21	04/06/23 14:42	1
Motor Oil (>C24-C36)	ND		360		ug/L		04/05/23 10:21	04/06/23 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*04/05/23 10:21*	*04/06/23 14:42*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:13	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:39	5

Client Sample ID: MW-21_20230330

Lab Sample ID: 580-125419-6

Date Collected: 03/30/23 10:15
Matrix: Water
Date Received: 03/31/23 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/23 15:21	1
Benzene	ND		1.0		ug/L			04/04/23 15:21	1
Toluene	ND		1.0		ug/L			04/04/23 15:21	1
Ethylbenzene	ND		1.0		ug/L			04/04/23 15:21	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/23 15:21	1
o-Xylene	ND		1.0		ug/L			04/04/23 15:21	1
Xylenes, Total	ND		2.0		ug/L			04/04/23 15:21	1
EDC	ND		1.0		ug/L			04/04/23 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/04/23 15:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*04/04/23 15:21*	*1*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*04/04/23 15:21*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*04/04/23 15:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/13/23 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*		*04/13/23 19:23*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.010		ug/L		04/11/23 15:06	04/13/23 21:55	1
1,2-Dibromo-3-Chloropropane	ND		0.010		ug/L		04/11/23 15:06	04/13/23 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*103*		*60 - 140*	*04/11/23 15:06*	*04/13/23 21:55*	*1*

Client Sample ID: MW-21_20230330

Lab Sample ID: 580-125419-6

Date Collected: 03/30/23 10:15
Date Received: 03/31/23 10:15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**140**		110		ug/L		04/05/23 10:21	04/06/23 12:41	1
Motor Oil (>C24-C36)	ND		360		ug/L		04/05/23 10:21	04/06/23 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*04/05/23 10:21*	*04/06/23 12:41*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 12:31	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 15:56	5

Client Sample ID: MW-23_20230329

Lab Sample ID: 580-125419-7

Date Collected: 03/29/23 15:10
Date Received: 03/31/23 10:15

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/03/23 08:23	1
Benzene	ND		1.0		ug/L			04/03/23 08:23	1
Toluene	ND		1.0		ug/L			04/03/23 08:23	1
Ethylbenzene	ND		1.0		ug/L			04/03/23 08:23	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/03/23 08:23	1
o-Xylene	ND		1.0		ug/L			04/03/23 08:23	1
Xylenes, Total	ND		2.0		ug/L			04/03/23 08:23	1
EDC	ND		1.0		ug/L			04/03/23 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/03/23 08:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*04/03/23 08:23*	*1*
4-Bromofluorobenzene (Surr)	*82*		*80 - 120*		*04/03/23 08:23*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*04/03/23 08:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/03/23 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*77 - 123*		*04/03/23 08:23*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		04/07/23 11:01	04/12/23 12:53	1
1,2-Dibromo-3-Chloropropane	ND	*1	0.010		ug/L		04/07/23 11:01	04/12/23 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*104*		*60 - 140*	*04/07/23 11:01*	*04/12/23 12:53*	*1*

Client Sample ID: MW-23_20230329

Lab Sample ID: 580-125419-7

Date Collected: 03/29/23 15:10
Matrix: Water
Date Received: 03/31/23 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	190		110		ug/L		04/04/23 09:57	04/05/23 15:37	1
Motor Oil (>C24-C36)	370		360		ug/L		04/04/23 09:57	04/05/23 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*04/04/23 09:57*	*04/05/23 15:37*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:16	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:41	5

Client Sample ID: MW-24_20230329

Lab Sample ID: 580-125419-8

Date Collected: 03/29/23 09:30
Matrix: Water
Date Received: 03/31/23 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/03/23 08:48	1
Benzene	ND		1.0		ug/L			04/03/23 08:48	1
Toluene	ND		1.0		ug/L			04/03/23 08:48	1
Ethylbenzene	ND		1.0		ug/L			04/03/23 08:48	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/03/23 08:48	1
o-Xylene	ND		1.0		ug/L			04/03/23 08:48	1
Xylenes, Total	ND		2.0		ug/L			04/03/23 08:48	1
EDC	ND		1.0		ug/L			04/03/23 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/03/23 08:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*04/03/23 08:48*	*1*
4-Bromofluorobenzene (Surr)	*83*		*80 - 120*		*04/03/23 08:48*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*04/03/23 08:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/03/23 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*77 - 123*		*04/03/23 08:48*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		04/07/23 11:01	04/12/23 11:35	1
1,2-Dibromo-3-Chloropropane	ND	*1	0.010		ug/L		04/07/23 11:01	04/12/23 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*101*		*60 - 140*	*04/07/23 11:01*	*04/12/23 11:35*	*1*

Client Sample ID: MW-24_20230329

Lab Sample ID: 580-125419-8

Date Collected: 03/29/23 09:30
Matrix: Water
Date Received: 03/31/23 10:15

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		04/04/23 09:57	04/05/23 15:57	1
Motor Oil (>C24-C36)	ND		350		ug/L		04/04/23 09:57	04/05/23 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*04/04/23 09:57*	*04/05/23 15:57*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:19	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:47	5

Client Sample ID: B1 (JPHC)_20230329

Lab Sample ID: 580-125419-9

Date Collected: 03/29/23 11:00
Matrix: Water
Date Received: 03/31/23 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/03/23 09:12	1
Benzene	ND		1.0		ug/L			04/03/23 09:12	1
Toluene	ND		1.0		ug/L			04/03/23 09:12	1
Ethylbenzene	ND		1.0		ug/L			04/03/23 09:12	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/03/23 09:12	1
o-Xylene	ND		1.0		ug/L			04/03/23 09:12	1
Xylenes, Total	ND		2.0		ug/L			04/03/23 09:12	1
EDC	ND		1.0		ug/L			04/03/23 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/03/23 09:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*04/03/23 09:12*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*04/03/23 09:12*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*04/03/23 09:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/03/23 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*77 - 123*		*04/03/23 09:12*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		04/07/23 11:01	04/12/23 11:51	1
1,2-Dibromo-3-Chloropropane	ND	*1	0.010		ug/L		04/07/23 11:01	04/12/23 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*101*		*60 - 140*	*04/07/23 11:01*	*04/12/23 11:51*	*1*

Client Sample ID: B1 (JPHC)_20230329

Lab Sample ID: 580-125419-9

Date Collected: 03/29/23 11:00
Matrix: Water
Date Received: 03/31/23 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**570**		120		ug/L		04/04/23 09:57	04/05/23 16:17	1
Motor Oil (>C24-C36)	ND		370		ug/L		04/04/23 09:57	04/05/23 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*50 - 150*	*04/04/23 09:57*	*04/05/23 16:17*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:22	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:30	5

Client Sample ID: B3 (JPHC)_20230329

Lab Sample ID: 580-125419-10

Date Collected: 03/29/23 10:25
Matrix: Water
Date Received: 03/31/23 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/03/23 09:36	1
Benzene	ND		1.0		ug/L			04/03/23 09:36	1
Toluene	ND		1.0		ug/L			04/03/23 09:36	1
Ethylbenzene	ND		1.0		ug/L			04/03/23 09:36	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/03/23 09:36	1
o-Xylene	ND		1.0		ug/L			04/03/23 09:36	1
Xylenes, Total	ND		2.0		ug/L			04/03/23 09:36	1
EDC	ND		1.0		ug/L			04/03/23 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/03/23 09:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/03/23 09:36*	*1*
4-Bromofluorobenzene (Surr)	*81*		*80 - 120*		*04/03/23 09:36*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*04/03/23 09:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/03/23 09:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*77 - 123*		*04/03/23 09:36*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		04/07/23 11:01	04/12/23 12:22	1
1,2-Dibromo-3-Chloropropane	ND	*1	0.010		ug/L		04/07/23 11:01	04/12/23 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*111*		*60 - 140*	*04/07/23 11:01*	*04/12/23 12:22*	*1*

Client Sample ID: B3 (JPHC)_20230329

Lab Sample ID: 580-125419-10

Date Collected: 03/29/23 10:25
Date Received: 03/31/23 10:15

Matrix: Water

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		04/04/23 09:57	04/05/23 16:37	1
Motor Oil (>C24-C36)	ND		350		ug/L		04/04/23 09:57	04/05/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*63*		*50 - 150*	*04/04/23 09:57*	*04/05/23 16:37*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:24	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:33	5

Client Sample ID: Dup-1_20230330

Lab Sample ID: 580-125419-11

Date Collected: 03/30/23 05:00
Date Received: 03/31/23 10:15

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/23 16:58	1
Benzene	ND		1.0		ug/L			04/04/23 16:58	1
Toluene	ND		1.0		ug/L			04/04/23 16:58	1
Ethylbenzene	ND		1.0		ug/L			04/04/23 16:58	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/23 16:58	1
o-Xylene	ND		1.0		ug/L			04/04/23 16:58	1
Xylenes, Total	ND		2.0		ug/L			04/04/23 16:58	1
EDC	ND		1.0		ug/L			04/04/23 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/04/23 16:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*04/04/23 16:58*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*04/04/23 16:58*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*04/04/23 16:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/04/23 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*77 - 123*		*04/04/23 16:58*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	*+	0.0099		ug/L		04/11/23 15:06	04/13/23 22:41	1
1,2-Dibromo-3-Chloropropane	ND		0.0099		ug/L		04/11/23 15:06	04/13/23 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*103*		*60 - 140*	*04/11/23 15:06*	*04/13/23 22:41*	*1*

Client Sample ID: Dup-1_20230330

Lab Sample ID: 580-125419-11

Date Collected: 03/30/23 05:00

Matrix: Water

Date Received: 03/31/23 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	400		110		ug/L		04/05/23 10:21	04/06/23 15:02	1
Motor Oil (>C24-C36)	570		360		ug/L		04/05/23 10:21	04/06/23 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*50 - 150*	*04/05/23 10:21*	*04/06/23 15:02*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/10/23 16:05	04/11/23 13:27	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 16:44	5

Client Sample ID: Trip Blank_20230330

Lab Sample ID: 580-125419-12

Date Collected: 03/30/23 00:00

Matrix: Water

Date Received: 03/31/23 10:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			04/04/23 17:46	1
Toluene	ND		1.0		ug/L			04/04/23 17:46	1
Ethylbenzene	ND		1.0		ug/L			04/04/23 17:46	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/23 17:46	1
o-Xylene	ND		1.0		ug/L			04/04/23 17:46	1
Xylenes, Total	ND		2.0		ug/L			04/04/23 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/04/23 17:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*04/04/23 17:46*	*1*
4-Bromofluorobenzene (Surr)	*83*		*80 - 120*		*04/04/23 17:46*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*04/04/23 17:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/04/23 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*77 - 123*		*04/04/23 17:46*	*1*

Surrogate Summary

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

Job ID: 580-125419-1

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	TOL (80-120)	DCA (80-120)	BFB (80-120)	DBFM (80-120)
580-125419-1	MW-4_20230330	99	104	85	99
580-125419-2	MW-11_20230330	102	107	89	101
580-125419-3	MW-12_20230329	101	102	86	103
580-125419-4	MW-13_20230329	115	103	62 S1-	100
580-125419-4 - RA	MW-13_20230329	96	103	89	102
580-125419-5	MW-20_20230330	103	108	86	102
580-125419-6	MW-21_20230330	100	106	87	103
580-125419-6 MS	MW-21_20230330	107	100	94	96
580-125419-6 MSD	MW-21_20230330	106	100	94	99
580-125419-7	MW-23_20230329	104	105	82	103
580-125419-8	MW-24_20230329	100	105	83	102
580-125419-9	B1 (JPHC)_20230329	97	99	86	102
580-125419-10	B3 (JPHC)_20230329	100	103	81	102
580-125419-11	Dup-1_20230330	100	107	86	101
580-125419-12	Trip Blank_20230330	99	111	83	105
LCS 580-422094/7	Lab Control Sample	104	91	92	94
LCS 580-422276/7	Lab Control Sample	105	95	93	94
LCS 580-423662/7	Lab Control Sample	103	97	100	96
LCSD 580-422094/8	Lab Control Sample Dup	107	91	93	94
LCSD 580-422276/8	Lab Control Sample Dup	105	98	93	96
LCSD 580-423662/8	Lab Control Sample Dup	102	96	104	96
MB 580-422094/6	Method Blank	102	95	88	97
MB 580-422276/6	Method Blank	102	102	85	99
MB 580-423662/6	Method Blank	94	98	94	104

Surrogate Legend

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/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB (77-123)
580-125419-1	MW-4_20230330	85
580-125419-2	MW-11_20230330	89
580-125419-3	MW-12_20230329	86
580-125419-4	MW-13_20230329	62 S1-
580-125419-4 - RA	MW-13_20230329	93
580-125419-5	MW-20_20230330	86
580-125419-6	MW-21_20230330	102
580-125419-6 MS	MW-21_20230330	103
580-125419-6 MSD	MW-21_20230330	109
580-125419-7	MW-23_20230329	82
580-125419-8	MW-24_20230329	83
580-125419-9	B1 (JPHC)_20230329	86
580-125419-10	B3 (JPHC)_20230329	81

Surrogate Summary

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

Job ID: 580-125419-1

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

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB (77-123)
580-125419-11	Dup-1_20230330	86
580-125419-12	Trip Blank_20230330	83
LCS 580-422096/9	Lab Control Sample	89
LCS 580-422278/9	Lab Control Sample	93
LCS 580-423178/20	Lab Control Sample	102
LCS 580-423658/9	Lab Control Sample	104
LCSD 580-422096/10	Lab Control Sample Dup	91
LCSD 580-422278/10	Lab Control Sample Dup	91
LCSD 580-423178/21	Lab Control Sample Dup	106
LCSD 580-423658/10	Lab Control Sample Dup	104
MB 580-422096/6	Method Blank	88
MB 580-422278/6	Method Blank	85
MB 580-423178/17	Method Blank	95
MB 580-423658/6	Method Blank	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8011 - EDB and DBCP in Water by Microextraction

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 12DBP1 (60-140)
580-125419-1	MW-4_20230330	97
580-125419-2	MW-11_20230330	100
580-125419-3	MW-12_20230329	101
580-125419-4	MW-13_20230329	97
580-125419-5	MW-20_20230330	98
580-125419-6	MW-21_20230330	103
580-125419-6 MS	MW-21_20230330	96
580-125419-6 MSD	MW-21_20230330	95
580-125419-7	MW-23_20230329	104
580-125419-8	MW-24_20230329	101
580-125419-9	B1 (JPHC)_20230329	101
580-125419-10	B3 (JPHC)_20230329	111
580-125419-11	Dup-1_20230330	103
LCS 580-422638/2-A	Lab Control Sample	95
LCS 580-422968/2-A	Lab Control Sample	102
LCSD 580-422638/3-A	Lab Control Sample Dup	103
LCSD 580-422968/3-A	Lab Control Sample Dup	101
LLCS 580-422638/4-A	Lab Control Sample	98
LLCS 580-422968/4-A	Lab Control Sample	112
MB 580-422638/1-A	Method Blank	106
MB 580-422968/1-A	Method Blank	99

Surrogate Legend

12DBP = 1,2-Dibromopropane

Surrogate Summary

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

Job ID: 580-125419-1

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)						
580-125419-1	MW-4_20230330	64						
580-125419-2	MW-11_20230330	64						
580-125419-3	MW-12_20230329	66						
580-125419-4	MW-13_20230329	58						
580-125419-5	MW-20_20230330	63						
580-125419-6	MW-21_20230330	70						
580-125419-6 MS	MW-21_20230330	77						
580-125419-6 MSD	MW-21_20230330	77						
580-125419-7	MW-23_20230329	70						
580-125419-8	MW-24_20230329	70						
580-125419-9	B1 (JPHC)_20230329	69						
580-125419-10	B3 (JPHC)_20230329	63						
580-125419-11	Dup-1_20230330	62						
LCS 580-422231/2-A	Lab Control Sample	85						
LCS 580-422357/2-A	Lab Control Sample	89						
LCSD 580-422231/3-A	Lab Control Sample Dup	95						
LCSD 580-422357/3-A	Lab Control Sample Dup	88						
MB 580-422231/1-A	Method Blank	70						
MB 580-422357/1-A	Method Blank	61						

Surrogate Legend

OTPH = o-Terphenyl

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

Lab Sample ID: MB 580-422094/6
Matrix: Water
Analysis Batch: 422094

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/03/23 03:07	1
Benzene	ND		1.0		ug/L			04/03/23 03:07	1
Toluene	ND		1.0		ug/L			04/03/23 03:07	1
Ethylbenzene	ND		1.0		ug/L			04/03/23 03:07	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/03/23 03:07	1
o-Xylene	ND		1.0		ug/L			04/03/23 03:07	1
Xylenes, Total	ND		2.0		ug/L			04/03/23 03:07	1
EDC	ND		1.0		ug/L			04/03/23 03:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/03/23 03:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*04/03/23 03:07*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*04/03/23 03:07*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/03/23 03:07*	*1*

Lab Sample ID: LCS 580-422094/7
Matrix: Water
Analysis Batch: 422094

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	8.35		ug/L		84	72 - 120		
Benzene			10.0	10.1		ug/L		101	80 - 122		
Toluene			10.0	10.5		ug/L		105	80 - 120		
Ethylbenzene			10.0	10.3		ug/L		103	80 - 120		
m-Xylene & p-Xylene			10.0	10.0		ug/L		100	80 - 120		
o-Xylene			10.0	10.1		ug/L		101	80 - 120		
Xylenes, Total			20.0	20.1		ug/L		101	80 - 120		
EDC			10.0	9.08		ug/L		91	69 - 126		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 580-422094/8
Matrix: Water
Analysis Batch: 422094

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	8.47		ug/L		85	72 - 120	1	18
Benzene			10.0	9.98		ug/L		100	80 - 122	1	14
Toluene			10.0	10.6		ug/L		106	80 - 120	0	13
Ethylbenzene			10.0	10.3		ug/L		103	80 - 120	1	14
m-Xylene & p-Xylene			10.0	10.6		ug/L		106	80 - 120	6	14
o-Xylene			10.0	10.4		ug/L		104	80 - 120	3	16
Xylenes, Total			20.0	21.0		ug/L		105	80 - 120	4	16
EDC			10.0	9.30		ug/L		93	69 - 126	2	11

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	107		80 - 120
1,2-Dichloroethane-d4 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120

Lab Sample ID: MB 580-422276/6
Matrix: Water
Analysis Batch: 422276

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/04/23 12:32	1
Benzene	ND		1.0		ug/L			04/04/23 12:32	1
Toluene	ND		1.0		ug/L			04/04/23 12:32	1
Ethylbenzene	ND		1.0		ug/L			04/04/23 12:32	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/04/23 12:32	1
o-Xylene	ND		1.0		ug/L			04/04/23 12:32	1
Xylenes, Total	ND		2.0		ug/L			04/04/23 12:32	1
EDC	ND		1.0		ug/L			04/04/23 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		04/04/23 12:32	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		04/04/23 12:32	1
4-Bromofluorobenzene (Surr)	85		80 - 120		04/04/23 12:32	1
Dibromofluoromethane (Surr)	99		80 - 120		04/04/23 12:32	1

Lab Sample ID: LCS 580-422276/7
Matrix: Water
Analysis Batch: 422276

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	8.58		ug/L		86	72 - 120		
Benzene			10.0	9.16		ug/L		92	80 - 122		
Toluene			10.0	9.67		ug/L		97	80 - 120		
Ethylbenzene			10.0	9.51		ug/L		95	80 - 120		
m-Xylene & p-Xylene			10.0	9.46		ug/L		95	80 - 120		
o-Xylene			10.0	9.65		ug/L		97	80 - 120		
Xylenes, Total			20.0	19.1		ug/L		96	80 - 120		
EDC			10.0	8.81		ug/L		88	69 - 126		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		80 - 120
1,2-Dichloroethane-d4 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120

Lab Sample ID: LCSD 580-422276/8
Matrix: Water
Analysis Batch: 422276

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	8.72		ug/L		87	72 - 120	2	18

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

Lab Sample ID: LCSD 580-422276/8
Matrix: Water
Analysis Batch: 422276

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
Benzene			10.0	9.54		ug/L		95	80 - 122	4	14
Toluene			10.0	9.94		ug/L		99	80 - 120	3	13
Ethylbenzene			10.0	9.82		ug/L		98	80 - 120	3	14
m-Xylene & p-Xylene			10.0	9.84		ug/L		98	80 - 120	4	14
o-Xylene			10.0	9.82		ug/L		98	80 - 120	2	16
Xylenes, Total			20.0	19.7		ug/L		98	80 - 120	3	16
EDC			10.0	9.35		ug/L		93	69 - 126	6	11

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

Lab Sample ID: 580-125419-6 MS
Matrix: Water
Analysis Batch: 422276

Client Sample ID: MW-21_20230330
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		10.0	9.43		ug/L		94	72 - 120
Benzene	ND		10.0	10.7		ug/L		107	80 - 122
Toluene	ND		10.0	11.1		ug/L		111	80 - 120
Ethylbenzene	ND		10.0	11.1		ug/L		111	80 - 120
m-Xylene & p-Xylene	ND		10.0	11.1		ug/L		111	80 - 120
o-Xylene	ND		10.0	11.1		ug/L		111	80 - 120
Xylenes, Total	ND		20.0	22.2		ug/L		111	80 - 120
EDC	ND		10.0	10.1		ug/L		101	69 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

Lab Sample ID: 580-125419-6 MSD
Matrix: Water
Analysis Batch: 422276

Client Sample ID: MW-21_20230330
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		10.0	9.82		ug/L		98	72 - 120	4	18
Benzene	ND		10.0	10.6		ug/L		106	80 - 122	1	14
Toluene	ND		10.0	11.2		ug/L		112	80 - 120	1	13
Ethylbenzene	ND		10.0	11.0		ug/L		110	80 - 120	1	14
m-Xylene & p-Xylene	ND		10.0	11.0		ug/L		110	80 - 120	1	14
o-Xylene	ND		10.0	10.7		ug/L		107	80 - 120	3	16
Xylenes, Total	ND		20.0	21.7		ug/L		109	80 - 120	2	16
EDC	ND		10.0	10.1		ug/L		101	69 - 126	0	11

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

Lab Sample ID: 580-125419-6 MSD
Matrix: Water
Analysis Batch: 422276

Client Sample ID: MW-21_20230330
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 580-423662/6
Matrix: Water
Analysis Batch: 423662

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			04/19/23 18:34	1
Benzene	ND		1.0		ug/L			04/19/23 18:34	1
Toluene	ND		1.0		ug/L			04/19/23 18:34	1
Ethylbenzene	ND		1.0		ug/L			04/19/23 18:34	1
m-Xylene & p-Xylene	ND		2.0		ug/L			04/19/23 18:34	1
o-Xylene	ND		1.0		ug/L			04/19/23 18:34	1
Xylenes, Total	ND		2.0		ug/L			04/19/23 18:34	1
EDC	ND		1.0		ug/L			04/19/23 18:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/19/23 18:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*04/19/23 18:34*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*04/19/23 18:34*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*04/19/23 18:34*	*1*

Lab Sample ID: LCS 580-423662/7
Matrix: Water
Analysis Batch: 423662

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	10.0	9.99		ug/L		100	72 - 120
Benzene	10.0	9.98		ug/L		100	80 - 122
Toluene	10.0	10.1		ug/L		101	80 - 120
Ethylbenzene	10.0	10.3		ug/L		103	80 - 120
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	80 - 120
o-Xylene	10.0	10.3		ug/L		103	80 - 120
Xylenes, Total	20.0	20.6		ug/L		103	80 - 120
EDC	10.0	9.65		ug/L		97	69 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

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

Lab Sample ID: LCSD 580-423662/8
Matrix: Water
Analysis Batch: 423662

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tert-butyl ether			10.0	9.38		ug/L		94	72 - 120	6	18
Benzene			10.0	9.77		ug/L		98	80 - 122	2	14
Toluene			10.0	9.91		ug/L		99	80 - 120	2	13
Ethylbenzene			10.0	9.65		ug/L		96	80 - 120	6	14
m-Xylene & p-Xylene			10.0	9.76		ug/L		98	80 - 120	5	14
o-Xylene			10.0	10.1		ug/L		101	80 - 120	2	16
Xylenes, Total			20.0	19.9		ug/L		99	80 - 120	4	16
EDC			10.0	9.36		ug/L		94	69 - 126	3	11

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

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

Lab Sample ID: MB 580-422096/6
Matrix: Water
Analysis Batch: 422096

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/03/23 03:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*77 - 123*		*04/03/23 03:07*	*1*

Lab Sample ID: LCS 580-422096/9
Matrix: Water
Analysis Batch: 422096

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	0.900		mg/L		90	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*77 - 123*

Lab Sample ID: LCSD 580-422096/10
Matrix: Water
Analysis Batch: 422096

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			1.00	0.886		mg/L		89	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*77 - 123*

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

Lab Sample ID: MB 580-422278/6
Matrix: Water
Analysis Batch: 422278

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/04/23 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*77 - 123*		*04/04/23 12:32*	*1*

Lab Sample ID: LCS 580-422278/9
Matrix: Water
Analysis Batch: 422278

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	0.966		mg/L		97	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*77 - 123*

Lab Sample ID: LCSD 580-422278/10
Matrix: Water
Analysis Batch: 422278

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			1.00	0.963		mg/L		96	55 - 148	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*77 - 123*

Lab Sample ID: MB 580-423178/17
Matrix: Water
Analysis Batch: 423178

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/13/23 17:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*		*04/13/23 17:17*	*1*

Lab Sample ID: LCS 580-423178/20
Matrix: Water
Analysis Batch: 423178

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	1.09		mg/L		109	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*77 - 123*

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

Lab Sample ID: LCSD 580-423178/21
Matrix: Water
Analysis Batch: 423178

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			1.00	1.09		mg/L		109	55 - 148	0	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*77 - 123*

Lab Sample ID: 580-125419-6 MS
Matrix: Water
Analysis Batch: 423178

Client Sample ID: MW-21_20230330
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline	ND		1.00	1.17		mg/L		117	55 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*77 - 123*

Lab Sample ID: 580-125419-6 MSD
Matrix: Water
Analysis Batch: 423178

Client Sample ID: MW-21_20230330
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		1.00	1.16		mg/L		116	55 - 148	1	10

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*77 - 123*

Lab Sample ID: MB 580-423658/6
Matrix: Water
Analysis Batch: 423658

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			04/19/23 18:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*		*04/19/23 18:34*	*1*

Lab Sample ID: LCS 580-423658/9
Matrix: Water
Analysis Batch: 423658

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	0.985		mg/L		99	55 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

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

Lab Sample ID: LCSD 580-423658/10
Matrix: Water
Analysis Batch: 423658

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			1.00	0.997		mg/L		100	55 - 148	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*77 - 123*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-422638/1-A
Matrix: Water
Analysis Batch: 423014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 422638

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0098		ug/L		04/07/23 11:01	04/12/23 10:33	1
1,2-Dibromo-3-Chloropropane	ND		0.0098		ug/L		04/07/23 11:01	04/12/23 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*106*		*60 - 140*	*04/07/23 11:01*	*04/12/23 10:33*	*1*

Lab Sample ID: LCS 580-422638/2-A
Matrix: Water
Analysis Batch: 423014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 422638

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide			0.0566	0.0720		ug/L		127	60 - 140
1,2-Dibromo-3-Chloropropane			0.0566	0.0659		ug/L		116	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*95*		*60 - 140*

Lab Sample ID: LCSD 580-422638/3-A
Matrix: Water
Analysis Batch: 423014

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 422638

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			0.0566	0.0686		ug/L		121	60 - 140	5	20
1,2-Dibromo-3-Chloropropane			0.0566	0.0527	*1	ug/L		93	60 - 140	22	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*103*		*60 - 140*

Lab Sample ID: LLCS 580-422638/4-A
Matrix: Water
Analysis Batch: 423014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 422638

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide			0.0114	0.0147		ug/L		130	60 - 145
1,2-Dibromo-3-Chloropropane			0.0114	0.0116		ug/L		103	60 - 145

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LLCS 580-422638/4-A
Matrix: Water
Analysis Batch: 423014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 422638

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*98*		*60 - 140*

Lab Sample ID: MB 580-422968/1-A
Matrix: Water
Analysis Batch: 423218

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 422968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.0099		ug/L		04/11/23 15:06	04/13/23 19:37	1
1,2-Dibromo-3-Chloropropane	ND		0.0099		ug/L		04/11/23 15:06	04/13/23 19:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*99*		*60 - 140*	*04/11/23 15:06*	*04/13/23 19:37*	*1*

Lab Sample ID: LCS 580-422968/2-A
Matrix: Water
Analysis Batch: 423218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 422968

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	0.0572	0.0717		ug/L		125	60 - 140
1,2-Dibromo-3-Chloropropane	0.0572	0.0522		ug/L		91	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*102*		*60 - 140*

Lab Sample ID: LCSD 580-422968/3-A
Matrix: Water
Analysis Batch: 423218

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 422968

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide	0.0572	0.0644		ug/L		113	60 - 140	11	20
1,2-Dibromo-3-Chloropropane	0.0572	0.0500		ug/L		87	60 - 140	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*101*		*60 - 140*

Lab Sample ID: LLCS 580-422968/4-A
Matrix: Water
Analysis Batch: 423218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 422968

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	0.0114	0.0230	*+	ug/L		201	60 - 145
1,2-Dibromo-3-Chloropropane	0.0114	0.00878	J	ug/L		77	60 - 145

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*112*		*60 - 140*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 580-125419-6 MS
Matrix: Water
Analysis Batch: 423218

Client Sample ID: MW-21_20230330
Prep Type: Total/NA
Prep Batch: 422968

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	ND	*+	0.0571	0.0650		ug/L		114	60 - 140
1,2-Dibromo-3-Chloropropane	ND		0.0571	0.0547		ug/L		96	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dibromopropane	*96*		*60 - 140*

Lab Sample ID: 580-125419-6 MSD
Matrix: Water
Analysis Batch: 423218

Client Sample ID: MW-21_20230330
Prep Type: Total/NA
Prep Batch: 422968

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide	ND	*+	0.0584	0.0719		ug/L		123	60 - 140	10	20
1,2-Dibromo-3-Chloropropane	ND		0.0584	0.0607		ug/L		104	60 - 140	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dibromopropane	*95*		*60 - 140*

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

Lab Sample ID: MB 580-422231/1-A
Matrix: Water
Analysis Batch: 422362

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 422231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/04/23 09:57	04/05/23 11:55	1
Motor Oil (>C24-C36)	ND		350		ug/L		04/04/23 09:57	04/05/23 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*04/04/23 09:57*	*04/05/23 11:55*	*1*

Lab Sample ID: LCS 580-422231/2-A
Matrix: Water
Analysis Batch: 422362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 422231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (C10-C24)	4000	3260		ug/L		82	50 - 120
Motor Oil (>C24-C36)	4000	3210		ug/L		80	64 - 120

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

Lab Sample ID: LCSD 580-422231/3-A
Matrix: Water
Analysis Batch: 422362

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 422231

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	4000	3550		ug/L		89	50 - 120	9	26
Motor Oil (>C24-C36)	4000	3440		ug/L		86	64 - 120	7	24

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	95		50 - 150

Lab Sample ID: MB 580-422357/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 422503 — **Prep Batch: 422357**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		04/05/23 10:21	04/06/23 11:40	1
Motor Oil (>C24-C36)	ND		350		ug/L		04/05/23 10:21	04/06/23 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		50 - 150	04/05/23 10:21	04/06/23 11:40	1

Lab Sample ID: LCS 580-422357/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 422503 — **Prep Batch: 422357**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)			4000	3200		ug/L		80	50 - 120		
Motor Oil (>C24-C36)			4000	3360		ug/L		84	64 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	89		50 - 150

Lab Sample ID: LCSD 580-422357/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 422503 — **Prep Batch: 422357**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			4000	3190		ug/L		80	50 - 120	1	26
Motor Oil (>C24-C36)			4000	3350		ug/L		84	64 - 120	0	24

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	88		50 - 150

Lab Sample ID: 580-125419-6 MS — **Client Sample ID: MW-21_20230330**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 422503 — **Prep Batch: 422357**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
#2 Diesel (C10-C24)	140		4080	3000		ug/L		70	50 - 120		
Motor Oil (>C24-C36)	ND		4080	3270		ug/L		74	64 - 120		

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	77		50 - 150

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

Lab Sample ID: 580-125419-6 MSD
Matrix: Water
Analysis Batch: 422503

Client Sample ID: MW-21_20230330
Prep Type: Total/NA
Prep Batch: 422357

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	140		4110	3020		ug/L		70	50 - 120	1	26
Motor Oil (>C24-C36)	ND		4110	3270		ug/L		74	64 - 120	0	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*77*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-422851/17-A
Matrix: Water
Analysis Batch: 423008

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 422851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.40		ug/L		04/10/23 16:05	04/11/23 12:23	1

Lab Sample ID: LCS 580-422851/18-A
Matrix: Water
Analysis Batch: 423008

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 422851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1000	1020		ug/L		102	80 - 120

Lab Sample ID: LCSD 580-422851/19-A
Matrix: Water
Analysis Batch: 423008

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 422851

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	1000	1000		ug/L		100	80 - 120	2	20

Lab Sample ID: 580-125419-6 MS
Matrix: Water
Analysis Batch: 423008

Client Sample ID: MW-21_20230330
Prep Type: Total Recoverable
Prep Batch: 422851

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		1000	1070		ug/L		107	80 - 120

Lab Sample ID: 580-125419-6 MSD
Matrix: Water
Analysis Batch: 423008

Client Sample ID: MW-21_20230330
Prep Type: Total Recoverable
Prep Batch: 422851

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	1130		ug/L		113	80 - 120	5	20

Lab Sample ID: 580-125419-6 DU
Matrix: Water
Analysis Batch: 423008

Client Sample ID: MW-21_20230330
Prep Type: Total Recoverable
Prep Batch: 422851

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

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

Lab Sample ID: MB 580-422265/14-B
Matrix: Water
Analysis Batch: 422741

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 422536

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		04/06/23 13:17	04/07/23 15:53	5

Lab Sample ID: LCS 580-422265/15-B
Matrix: Water
Analysis Batch: 422741

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 422536

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			1000	983		ug/L		98	80 - 120		

Lab Sample ID: LCSD 580-422265/16-B
Matrix: Water
Analysis Batch: 422741

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 422536

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead			1000	1010		ug/L		101	80 - 120	3	20

Lab Sample ID: 580-125419-6 MS
Matrix: Water
Analysis Batch: 422741

Client Sample ID: MW-21_20230330
Prep Type: Dissolved
Prep Batch: 422536

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

Lab Sample ID: 580-125419-6 MSD
Matrix: Water
Analysis Batch: 422741

Client Sample ID: MW-21_20230330
Prep Type: Dissolved
Prep Batch: 422536

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	1050		ug/L		105	80 - 120	2	20

Lab Sample ID: 580-125419-6 DU
Matrix: Water
Analysis Batch: 422741

Client Sample ID: MW-21_20230330
Prep Type: Dissolved
Prep Batch: 422536

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

GC/MS VOA

Analysis Batch: 422094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-3	MW-12_20230329	Total/NA	Water	8260D	
580-125419-4	MW-13_20230329	Total/NA	Water	8260D	
580-125419-7	MW-23_20230329	Total/NA	Water	8260D	
580-125419-8	MW-24_20230329	Total/NA	Water	8260D	
580-125419-9	B1 (JPHC)_20230329	Total/NA	Water	8260D	
580-125419-10	B3 (JPHC)_20230329	Total/NA	Water	8260D	
MB 580-422094/6	Method Blank	Total/NA	Water	8260D	
LCS 580-422094/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-422094/8	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 422096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-3	MW-12_20230329	Total/NA	Water	NWTPH-Gx	
580-125419-4	MW-13_20230329	Total/NA	Water	NWTPH-Gx	
580-125419-7	MW-23_20230329	Total/NA	Water	NWTPH-Gx	
580-125419-8	MW-24_20230329	Total/NA	Water	NWTPH-Gx	
580-125419-9	B1 (JPHC)_20230329	Total/NA	Water	NWTPH-Gx	
580-125419-10	B3 (JPHC)_20230329	Total/NA	Water	NWTPH-Gx	
MB 580-422096/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-422096/9	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-422096/10	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 422276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Total/NA	Water	8260D	
580-125419-2	MW-11_20230330	Total/NA	Water	8260D	
580-125419-5	MW-20_20230330	Total/NA	Water	8260D	
580-125419-6	MW-21_20230330	Total/NA	Water	8260D	
580-125419-11	Dup-1_20230330	Total/NA	Water	8260D	
580-125419-12	Trip Blank_20230330	Total/NA	Water	8260D	
MB 580-422276/6	Method Blank	Total/NA	Water	8260D	
LCS 580-422276/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-422276/8	Lab Control Sample Dup	Total/NA	Water	8260D	
580-125419-6 MS	MW-21_20230330	Total/NA	Water	8260D	
580-125419-6 MSD	MW-21_20230330	Total/NA	Water	8260D	

Analysis Batch: 422278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Total/NA	Water	NWTPH-Gx	
580-125419-2	MW-11_20230330	Total/NA	Water	NWTPH-Gx	
580-125419-5	MW-20_20230330	Total/NA	Water	NWTPH-Gx	
580-125419-11	Dup-1_20230330	Total/NA	Water	NWTPH-Gx	
580-125419-12	Trip Blank_20230330	Total/NA	Water	NWTPH-Gx	
MB 580-422278/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-422278/9	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-422278/10	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 423178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-6	MW-21_20230330	Total/NA	Water	NWTPH-Gx	
MB 580-423178/17	Method Blank	Total/NA	Water	NWTPH-Gx	

GC/MS VOA (Continued)

Analysis Batch: 423178 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 580-423178/20	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-423178/21	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
580-125419-6 MS	MW-21_20230330	Total/NA	Water	NWTPH-Gx	
580-125419-6 MSD	MW-21_20230330	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 423658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-4 - RA	MW-13_20230329	Total/NA	Water	NWTPH-Gx	
MB 580-423658/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-423658/9	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-423658/10	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 423662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-4 - RA	MW-13_20230329	Total/NA	Water	8260D	
MB 580-423662/6	Method Blank	Total/NA	Water	8260D	
LCS 580-423662/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-423662/8	Lab Control Sample Dup	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 422231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-3	MW-12_20230329	Total/NA	Water	3510C	
580-125419-4	MW-13_20230329	Total/NA	Water	3510C	
580-125419-7	MW-23_20230329	Total/NA	Water	3510C	
580-125419-8	MW-24_20230329	Total/NA	Water	3510C	
580-125419-9	B1 (JPHC)_20230329	Total/NA	Water	3510C	
580-125419-10	B3 (JPHC)_20230329	Total/NA	Water	3510C	
MB 580-422231/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-422231/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-422231/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 422357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Total/NA	Water	3510C	
580-125419-2	MW-11_20230330	Total/NA	Water	3510C	
580-125419-5	MW-20_20230330	Total/NA	Water	3510C	
580-125419-6	MW-21_20230330	Total/NA	Water	3510C	
580-125419-11	Dup-1_20230330	Total/NA	Water	3510C	
MB 580-422357/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-422357/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-422357/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
580-125419-6 MS	MW-21_20230330	Total/NA	Water	3510C	
580-125419-6 MSD	MW-21_20230330	Total/NA	Water	3510C	

Analysis Batch: 422362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-3	MW-12_20230329	Total/NA	Water	NWTPH-Dx	422231
580-125419-4	MW-13_20230329	Total/NA	Water	NWTPH-Dx	422231
580-125419-7	MW-23_20230329	Total/NA	Water	NWTPH-Dx	422231

GC Semi VOA (Continued)

Analysis Batch: 422362 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-8	MW-24_20230329	Total/NA	Water	NWTPH-Dx	422231
580-125419-9	B1 (JPHC)_20230329	Total/NA	Water	NWTPH-Dx	422231
580-125419-10	B3 (JPHC)_20230329	Total/NA	Water	NWTPH-Dx	422231
MB 580-422231/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	422231
LCS 580-422231/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	422231
LCSD 580-422231/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	422231

Analysis Batch: 422503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Total/NA	Water	NWTPH-Dx	422357
580-125419-2	MW-11_20230330	Total/NA	Water	NWTPH-Dx	422357
580-125419-5	MW-20_20230330	Total/NA	Water	NWTPH-Dx	422357
580-125419-6	MW-21_20230330	Total/NA	Water	NWTPH-Dx	422357
580-125419-11	Dup-1_20230330	Total/NA	Water	NWTPH-Dx	422357
MB 580-422357/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	422357
LCS 580-422357/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	422357
LCSD 580-422357/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	422357
580-125419-6 MS	MW-21_20230330	Total/NA	Water	NWTPH-Dx	422357
580-125419-6 MSD	MW-21_20230330	Total/NA	Water	NWTPH-Dx	422357

Prep Batch: 422638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-3	MW-12_20230329	Total/NA	Water	8011	
580-125419-4	MW-13_20230329	Total/NA	Water	8011	
580-125419-7	MW-23_20230329	Total/NA	Water	8011	
580-125419-8	MW-24_20230329	Total/NA	Water	8011	
580-125419-9	B1 (JPHC)_20230329	Total/NA	Water	8011	
580-125419-10	B3 (JPHC)_20230329	Total/NA	Water	8011	
MB 580-422638/1-A	Method Blank	Total/NA	Water	8011	
LCS 580-422638/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 580-422638/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
LLCS 580-422638/4-A	Lab Control Sample	Total/NA	Water	8011	

Prep Batch: 422968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Total/NA	Water	8011	
580-125419-2	MW-11_20230330	Total/NA	Water	8011	
580-125419-5	MW-20_20230330	Total/NA	Water	8011	
580-125419-6	MW-21_20230330	Total/NA	Water	8011	
580-125419-11	Dup-1_20230330	Total/NA	Water	8011	
MB 580-422968/1-A	Method Blank	Total/NA	Water	8011	
LCS 580-422968/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 580-422968/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
LLCS 580-422968/4-A	Lab Control Sample	Total/NA	Water	8011	
580-125419-6 MS	MW-21_20230330	Total/NA	Water	8011	
580-125419-6 MSD	MW-21_20230330	Total/NA	Water	8011	

Analysis Batch: 423014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-3	MW-12_20230329	Total/NA	Water	8011	422638
580-125419-4	MW-13_20230329	Total/NA	Water	8011	422638

GC Semi VOA (Continued)

Analysis Batch: 423014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-7	MW-23_20230329	Total/NA	Water	8011	422638
580-125419-8	MW-24_20230329	Total/NA	Water	8011	422638
580-125419-9	B1 (JPHC)_20230329	Total/NA	Water	8011	422638
580-125419-10	B3 (JPHC)_20230329	Total/NA	Water	8011	422638
MB 580-422638/1-A	Method Blank	Total/NA	Water	8011	422638
LCS 580-422638/2-A	Lab Control Sample	Total/NA	Water	8011	422638
LCSD 580-422638/3-A	Lab Control Sample Dup	Total/NA	Water	8011	422638
LLCS 580-422638/4-A	Lab Control Sample	Total/NA	Water	8011	422638

Analysis Batch: 423218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Total/NA	Water	8011	422968
580-125419-2	MW-11_20230330	Total/NA	Water	8011	422968
580-125419-5	MW-20_20230330	Total/NA	Water	8011	422968
580-125419-6	MW-21_20230330	Total/NA	Water	8011	422968
580-125419-11	Dup-1_20230330	Total/NA	Water	8011	422968
MB 580-422968/1-A	Method Blank	Total/NA	Water	8011	422968
LCS 580-422968/2-A	Lab Control Sample	Total/NA	Water	8011	422968
LCSD 580-422968/3-A	Lab Control Sample Dup	Total/NA	Water	8011	422968
LLCS 580-422968/4-A	Lab Control Sample	Total/NA	Water	8011	422968
580-125419-6 MS	MW-21_20230330	Total/NA	Water	8011	422968
580-125419-6 MSD	MW-21_20230330	Total/NA	Water	8011	422968

Metals

Filtration Batch: 422265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Dissolved	Water	FILTRATION	
580-125419-2	MW-11_20230330	Dissolved	Water	FILTRATION	
580-125419-3	MW-12_20230329	Dissolved	Water	FILTRATION	
580-125419-4	MW-13_20230329	Dissolved	Water	FILTRATION	
580-125419-5	MW-20_20230330	Dissolved	Water	FILTRATION	
580-125419-6	MW-21_20230330	Dissolved	Water	FILTRATION	
580-125419-7	MW-23_20230329	Dissolved	Water	FILTRATION	
580-125419-8	MW-24_20230329	Dissolved	Water	FILTRATION	
580-125419-9	B1 (JPHC)_20230329	Dissolved	Water	FILTRATION	
580-125419-10	B3 (JPHC)_20230329	Dissolved	Water	FILTRATION	
580-125419-11	Dup-1_20230330	Dissolved	Water	FILTRATION	
MB 580-422265/14-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-422265/15-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-422265/16-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
580-125419-6 MS	MW-21_20230330	Dissolved	Water	FILTRATION	
580-125419-6 MSD	MW-21_20230330	Dissolved	Water	FILTRATION	
580-125419-6 DU	MW-21_20230330	Dissolved	Water	FILTRATION	

Prep Batch: 422536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Dissolved	Water	3005A	422265
580-125419-2	MW-11_20230330	Dissolved	Water	3005A	422265
580-125419-3	MW-12_20230329	Dissolved	Water	3005A	422265
580-125419-4	MW-13_20230329	Dissolved	Water	3005A	422265

Metals (Continued)

Prep Batch: 422536 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-5	MW-20_20230330	Dissolved	Water	3005A	422265
580-125419-6	MW-21_20230330	Dissolved	Water	3005A	422265
580-125419-7	MW-23_20230329	Dissolved	Water	3005A	422265
580-125419-8	MW-24_20230329	Dissolved	Water	3005A	422265
580-125419-9	B1 (JPHC)_20230329	Dissolved	Water	3005A	422265
580-125419-10	B3 (JPHC)_20230329	Dissolved	Water	3005A	422265
580-125419-11	Dup-1_20230330	Dissolved	Water	3005A	422265
MB 580-422265/14-B	Method Blank	Dissolved	Water	3005A	422265
LCS 580-422265/15-B	Lab Control Sample	Dissolved	Water	3005A	422265
LCSD 580-422265/16-B	Lab Control Sample Dup	Dissolved	Water	3005A	422265
580-125419-6 MS	MW-21_20230330	Dissolved	Water	3005A	422265
580-125419-6 MSD	MW-21_20230330	Dissolved	Water	3005A	422265
580-125419-6 DU	MW-21_20230330	Dissolved	Water	3005A	422265

Analysis Batch: 422741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Dissolved	Water	6020B	422536
580-125419-2	MW-11_20230330	Dissolved	Water	6020B	422536
580-125419-3	MW-12_20230329	Dissolved	Water	6020B	422536
580-125419-4	MW-13_20230329	Dissolved	Water	6020B	422536
580-125419-5	MW-20_20230330	Dissolved	Water	6020B	422536
580-125419-6	MW-21_20230330	Dissolved	Water	6020B	422536
580-125419-7	MW-23_20230329	Dissolved	Water	6020B	422536
580-125419-8	MW-24_20230329	Dissolved	Water	6020B	422536
580-125419-9	B1 (JPHC)_20230329	Dissolved	Water	6020B	422536
580-125419-10	B3 (JPHC)_20230329	Dissolved	Water	6020B	422536
580-125419-11	Dup-1_20230330	Dissolved	Water	6020B	422536
MB 580-422265/14-B	Method Blank	Dissolved	Water	6020B	422536
LCS 580-422265/15-B	Lab Control Sample	Dissolved	Water	6020B	422536
LCSD 580-422265/16-B	Lab Control Sample Dup	Dissolved	Water	6020B	422536
580-125419-6 MS	MW-21_20230330	Dissolved	Water	6020B	422536
580-125419-6 MSD	MW-21_20230330	Dissolved	Water	6020B	422536
580-125419-6 DU	MW-21_20230330	Dissolved	Water	6020B	422536

Prep Batch: 422851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Total Recoverable	Water	3005A	
580-125419-2	MW-11_20230330	Total Recoverable	Water	3005A	
580-125419-3	MW-12_20230329	Total Recoverable	Water	3005A	
580-125419-4	MW-13_20230329	Total Recoverable	Water	3005A	
580-125419-5	MW-20_20230330	Total Recoverable	Water	3005A	
580-125419-6	MW-21_20230330	Total Recoverable	Water	3005A	
580-125419-7	MW-23_20230329	Total Recoverable	Water	3005A	
580-125419-8	MW-24_20230329	Total Recoverable	Water	3005A	
580-125419-9	B1 (JPHC)_20230329	Total Recoverable	Water	3005A	
580-125419-10	B3 (JPHC)_20230329	Total Recoverable	Water	3005A	
580-125419-11	Dup-1_20230330	Total Recoverable	Water	3005A	
MB 580-422851/17-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-422851/18-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-422851/19-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
580-125419-6 MS	MW-21_20230330	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 422851 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-6 MSD	MW-21_20230330	Total Recoverable	Water	3005A	
580-125419-6 DU	MW-21_20230330	Total Recoverable	Water	3005A	

Analysis Batch: 423008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-125419-1	MW-4_20230330	Total Recoverable	Water	6020B	422851
580-125419-2	MW-11_20230330	Total Recoverable	Water	6020B	422851
580-125419-3	MW-12_20230329	Total Recoverable	Water	6020B	422851
580-125419-4	MW-13_20230329	Total Recoverable	Water	6020B	422851
580-125419-5	MW-20_20230330	Total Recoverable	Water	6020B	422851
580-125419-6	MW-21_20230330	Total Recoverable	Water	6020B	422851
580-125419-7	MW-23_20230329	Total Recoverable	Water	6020B	422851
580-125419-8	MW-24_20230329	Total Recoverable	Water	6020B	422851
580-125419-9	B1 (JPHC)_20230329	Total Recoverable	Water	6020B	422851
580-125419-10	B3 (JPHC)_20230329	Total Recoverable	Water	6020B	422851
580-125419-11	Dup-1_20230330	Total Recoverable	Water	6020B	422851
MB 580-422851/17-A	Method Blank	Total Recoverable	Water	6020B	422851
LCS 580-422851/18-A	Lab Control Sample	Total Recoverable	Water	6020B	422851
LCSD 580-422851/19-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	422851
580-125419-6 MS	MW-21_20230330	Total Recoverable	Water	6020B	422851
580-125419-6 MSD	MW-21_20230330	Total Recoverable	Water	6020B	422851
580-125419-6 DU	MW-21_20230330	Total Recoverable	Water	6020B	422851

Lab Chronicle

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

Job ID: 580-125419-1

Client Sample ID: MW-4_20230330

Lab Sample ID: 580-125419-1

Date Collected: 03/30/23 11:45

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422276	JSM	EET SEA	04/04/23 14:33
Total/NA	Analysis	NWTPH-Gx		1	422278	JSM	EET SEA	04/04/23 14:33
Total/NA	Prep	8011			422968	E1W	EET SEA	04/11/23 15:06
Total/NA	Analysis	8011		1	423218	KLW	EET SEA	04/13/23 20:38
Total/NA	Prep	3510C			422357	TGO	EET SEA	04/05/23 10:21
Total/NA	Analysis	NWTPH-Dx		1	422503	KLW	EET SEA	04/06/23 13:41
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:35
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:02

Client Sample ID: MW-11_20230330

Lab Sample ID: 580-125419-2

Date Collected: 03/30/23 11:10

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422276	JSM	EET SEA	04/04/23 14:57
Total/NA	Analysis	NWTPH-Gx		1	422278	JSM	EET SEA	04/04/23 14:57
Total/NA	Prep	8011			422968	E1W	EET SEA	04/11/23 15:06
Total/NA	Analysis	8011		1	423218	KLW	EET SEA	04/13/23 20:54
Total/NA	Prep	3510C			422357	TGO	EET SEA	04/05/23 10:21
Total/NA	Analysis	NWTPH-Dx		1	422503	KLW	EET SEA	04/06/23 14:01
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:50
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:05

Client Sample ID: MW-12_20230329

Lab Sample ID: 580-125419-3

Date Collected: 03/29/23 12:15

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422094	ITR	EET SEA	04/03/23 07:35
Total/NA	Analysis	NWTPH-Gx		1	422096	ITR	EET SEA	04/03/23 07:35
Total/NA	Prep	8011			422638	TOA	EET SEA	04/07/23 11:01
Total/NA	Analysis	8011		1	423014	KLW	EET SEA	04/12/23 12:06
Total/NA	Prep	3510C			422231	TGO	EET SEA	04/04/23 09:57
Total/NA	Analysis	NWTPH-Dx		1	422362	KLW	EET SEA	04/05/23 14:56
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:53
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:08

Lab Chronicle

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

Job ID: 580-125419-1

Client Sample ID: MW-13_20230329

Lab Sample ID: 580-125419-4
Matrix: Water
Date Collected: 03/29/23 11:25
Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422094	ITR	EET SEA	04/03/23 07:59
Total/NA	Analysis	8260D	RA	1	423662	ITR	EET SEA	04/19/23 20:36
Total/NA	Analysis	NWTPH-Gx		1	422096	ITR	EET SEA	04/03/23 07:59
Total/NA	Analysis	NWTPH-Gx	RA	1	423658	ITR	EET SEA	04/19/23 20:36
Total/NA	Prep	8011			422638	TOA	EET SEA	04/07/23 11:01
Total/NA	Analysis	8011		1	423014	KLW	EET SEA	04/12/23 12:37
Total/NA	Prep	3510C			422231	TGO	EET SEA	04/04/23 09:57
Total/NA	Analysis	NWTPH-Dx		1	422362	KLW	EET SEA	04/05/23 15:17
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:27
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:11

Client Sample ID: MW-20_20230330

Lab Sample ID: 580-125419-5
Matrix: Water
Date Collected: 03/30/23 09:45
Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422276	JSM	EET SEA	04/04/23 17:22
Total/NA	Analysis	NWTPH-Gx		1	422278	JSM	EET SEA	04/04/23 17:22
Total/NA	Prep	8011			422968	E1W	EET SEA	04/11/23 15:06
Total/NA	Analysis	8011		1	423218	KLW	EET SEA	04/13/23 21:40
Total/NA	Prep	3510C			422357	TGO	EET SEA	04/05/23 10:21
Total/NA	Analysis	NWTPH-Dx		1	422503	KLW	EET SEA	04/06/23 14:42
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:39
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:13

Client Sample ID: MW-21_20230330

Lab Sample ID: 580-125419-6
Matrix: Water
Date Collected: 03/30/23 10:15
Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422276	JSM	EET SEA	04/04/23 15:21
Total/NA	Analysis	NWTPH-Gx		1	423178	JSM	EET SEA	04/13/23 19:23
Total/NA	Prep	8011			422968	E1W	EET SEA	04/11/23 15:06
Total/NA	Analysis	8011		1	423218	KLW	EET SEA	04/13/23 21:55
Total/NA	Prep	3510C			422357	TGO	EET SEA	04/05/23 10:21
Total/NA	Analysis	NWTPH-Dx		1	422503	KLW	EET SEA	04/06/23 12:41

Lab Chronicle

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

Job ID: 580-125419-1

Client Sample ID: MW-21_20230330

Lab Sample ID: 580-125419-6

Date Collected: 03/30/23 10:15

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 15:56
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 12:31

Client Sample ID: MW-23_20230329

Lab Sample ID: 580-125419-7

Date Collected: 03/29/23 15:10

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422094	ITR	EET SEA	04/03/23 08:23
Total/NA	Analysis	NWTPH-Gx		1	422096	ITR	EET SEA	04/03/23 08:23
Total/NA	Prep	8011			422638	TOA	EET SEA	04/07/23 11:01
Total/NA	Analysis	8011		1	423014	KLW	EET SEA	04/12/23 12:53
Total/NA	Prep	3510C			422231	TGO	EET SEA	04/04/23 09:57
Total/NA	Analysis	NWTPH-Dx		1	422362	KLW	EET SEA	04/05/23 15:37
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:41
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:16

Client Sample ID: MW-24_20230329

Lab Sample ID: 580-125419-8

Date Collected: 03/29/23 09:30

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422094	ITR	EET SEA	04/03/23 08:48
Total/NA	Analysis	NWTPH-Gx		1	422096	ITR	EET SEA	04/03/23 08:48
Total/NA	Prep	8011			422638	TOA	EET SEA	04/07/23 11:01
Total/NA	Analysis	8011		1	423014	KLW	EET SEA	04/12/23 11:35
Total/NA	Prep	3510C			422231	TGO	EET SEA	04/04/23 09:57
Total/NA	Analysis	NWTPH-Dx		1	422362	KLW	EET SEA	04/05/23 15:57
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:47
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:19

Client Sample ID: B1 (JPHC)_20230329

Lab Sample ID: 580-125419-9

Date Collected: 03/29/23 11:00

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422094	ITR	EET SEA	04/03/23 09:12
Total/NA	Analysis	NWTPH-Gx		1	422096	ITR	EET SEA	04/03/23 09:12
Total/NA	Prep	8011			422638	TOA	EET SEA	04/07/23 11:01
Total/NA	Analysis	8011		1	423014	KLW	EET SEA	04/12/23 11:51
Total/NA	Prep	3510C			422231	TGO	EET SEA	04/04/23 09:57
Total/NA	Analysis	NWTPH-Dx		1	422362	KLW	EET SEA	04/05/23 16:17
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:30
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:22

Client Sample ID: B3 (JPHC)_20230329

Lab Sample ID: 580-125419-10

Date Collected: 03/29/23 10:25

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422094	ITR	EET SEA	04/03/23 09:36
Total/NA	Analysis	NWTPH-Gx		1	422096	ITR	EET SEA	04/03/23 09:36
Total/NA	Prep	8011			422638	TOA	EET SEA	04/07/23 11:01
Total/NA	Analysis	8011		1	423014	KLW	EET SEA	04/12/23 12:22
Total/NA	Prep	3510C			422231	TGO	EET SEA	04/04/23 09:57
Total/NA	Analysis	NWTPH-Dx		1	422362	KLW	EET SEA	04/05/23 16:37
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:33
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:24

Client Sample ID: Dup-1_20230330

Lab Sample ID: 580-125419-11

Date Collected: 03/30/23 05:00

Matrix: Water

Date Received: 03/31/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422276	JSM	EET SEA	04/04/23 16:58
Total/NA	Analysis	NWTPH-Gx		1	422278	JSM	EET SEA	04/04/23 16:58
Total/NA	Prep	8011			422968	E1W	EET SEA	04/11/23 15:06
Total/NA	Analysis	8011		1	423218	KLW	EET SEA	04/13/23 22:41
Total/NA	Prep	3510C			422357	TGO	EET SEA	04/05/23 10:21
Total/NA	Analysis	NWTPH-Dx		1	422503	KLW	EET SEA	04/06/23 15:02
Dissolved	Filtration	FILTRATION			422265	TMH	EET SEA	04/04/23 12:50
Dissolved	Prep	3005A			422536	JLS	EET SEA	04/06/23 13:17
Dissolved	Analysis	6020B		5	422741	FCW	EET SEA	04/07/23 16:44
Total Recoverable	Prep	3005A			422851	JLS	EET SEA	04/10/23 16:05
Total Recoverable	Analysis	6020B		5	423008	FCW	EET SEA	04/11/23 13:27

Lab Chronicle

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

Job ID: 580-125419-1

Client Sample ID: Trip Blank_20230330

Date Collected: 03/30/23 00:00
Date Received: 03/31/23 10:15

Lab Sample ID: 580-125419-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	422276	JSM	EET SEA	04/04/23 17:46
Total/NA	Analysis	NWTPH-Gx		1	422278	JSM	EET SEA	04/04/23 17:46

Laboratory References:

EET SEA = Eurofins 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: 580-125419-1

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-23

Method Summary

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

Job ID: 580-125419-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SEA
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SEA
8011	EDB and DBCP in Water by Microextraction	EPA	EET SEA
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SEA
6020B	Metals (ICP/MS)	SW846	EET SEA
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SEA
5030B	Purge and Trap	SW846	EET SEA
8011	Microextraction	SW846	EET SEA
FILTRATION	Sample Filtration	None	EET SEA

Protocol References:

EPA = US Environmental Protection Agency
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:

EET SEA = Eurofins 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: 580-125419-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-125419-1	MW-4_20230330	Water	03/30/23 11:45	03/31/23 10:15
580-125419-2	MW-11_20230330	Water	03/30/23 11:10	03/31/23 10:15
580-125419-3	MW-12_20230329	Water	03/29/23 12:15	03/31/23 10:15
580-125419-4	MW-13_20230329	Water	03/29/23 11:25	03/31/23 10:15
580-125419-5	MW-20_20230330	Water	03/30/23 09:45	03/31/23 10:15
580-125419-6	MW-21_20230330	Water	03/30/23 10:15	03/31/23 10:15
580-125419-7	MW-23_20230329	Water	03/29/23 15:10	03/31/23 10:15
580-125419-8	MW-24_20230329	Water	03/29/23 09:30	03/31/23 10:15
580-125419-9	B1 (JPHC)_20230329	Water	03/29/23 11:00	03/31/23 10:15
580-125419-10	B3 (JPHC)_20230329	Water	03/29/23 10:25	03/31/23 10:15
580-125419-11	Dup-1_20230330	Water	03/30/23 05:00	03/31/23 10:15
580-125419-12	Trip Blank_20230330	Water	03/30/23 00:00	03/31/23 10:15

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

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

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

Lab Name: Test America	BP/ARC Facility Address: 10822 Roosevelt Way NE	Consultant/Contractor: Antea Group	
Lab Address: 5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code: Seattle, WA	Consultant/Contractor Project No: WA - 00980, Groundwater Monitoring	
Lab PM: Katie Grant	Lead Regulatory Agency: Washington State Department of Ecology	Address: 18378-B Redmond Way, Redmond, WA	
Lab Phone: 253 922 2310	California Global ID No.: NA	Consultant/Contractor PM: Brad Jackson	
Lab Shipping Accnt: NA	Enfos Proposal No: 00C87-0002/WR1027162	Phone: 9717770241	Email: brad.jackson@anteagroup.us
Lab Bottle Order No: NA	Accounting Mode: Provision ___X__ OOC-BU _____ OOC-RM _____	Send/Submit EDD to:	brad.jackson@anteagroup.us
Other Info: katie.grant@et.eurofinsus.com	Stage 70: Commercial-Site Activities Activity 116: Contracts Management	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	EDC by EPA 8260	EDB by EPA 8011	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6010/6020	Pb-D by EPA 6010/6020	Comments
	MW-4_2023 0330	3/30/23	1145						10			X	X	X	X	X	X	X	X	
	MW-11_2023 0330	3/30/23	1110						10			X	X	X	X	X	X	X	X	
	MW-12_2023 0329	3/29/23	1215						10			X	X	X	X	X	X	X	X	
	MW-13_2023 0329	3/29/23	1125						10			X	X	X	X	X	X	X	X	
	~~MW-16_2023~~											X	X	X	X	X	X	X	X	SM
	MW-20_2023 0330	3/30/23	0945						10			X	X	X	X	X	X	X	X	

Sampler's Name: Jesse Schmidt + Sam Hinke

Sampler's Company: Antea Group

Ship Method: Courier Ship Date: 3/31/23

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Katelyn Y — Antea	3/31/23	1015		3/31/23	1015

Special Instructions: lab filter for Lead samples

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

580-125419 Chain of Custody

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

bp rm

BP Site Node Path: ARCO 980

BP/RM Facility No: ARCO Facility No. 00980

Req Due Date (mm/dd/yy): Standard TAT

Rush TAT Yes ____ No _X_

Lab Work Order Number:

Lab Name:	Test America	BP/ARC Facility Address:	10822 Roosevelt Way NE	Consultant/Contractor:	Antea Group
Lab Address:	5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code:	Seattle, WA	Consultant/Contractor Project No:	WA - 00980, Groundwater Monitoring
Lab PM:	Katie Grant	Lead Regulatory Agency:	Washington State Department of Ecology	Address:	18378-B Redmond Way, Redmond, WA 98052
Lab Phone:	253 922 2310	California Global ID No.:	NA	Consultant/Contractor PM:	Brad Jackson
Lab Shipping Accnt:	NA	Enfos Proposal No:	00C87-0002/WR1027162	Phone: 9717770241	Email: brad.jackson@anteagroup.us
Lab Bottle Order No:	NA	Accounting Mode:	Provision _X_ OOC-BU ___ OOC-RM ___	Send/Submit EDD to:	brad.jackson@anteagroup.us
Other Info:	katie.grant@et.eurofinsus.com	Stage: 70: Commercial-Site Activities	Activity: 116: Contracts Management	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

Sample Details: Field Matrix, Start Depth, End Depth, Depth Unit, Grab (G) or Composite (C), Total Number of Containers

Requested Analyses (Filt / Pres / Analysis)

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	BTEX by EPA 8260	MTBE by EPA 8260	EDC by EPA 8260	EDB by EPA 8011	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6010/6020	Pb-D by EPA 6010/6020	Comments
	MW-21_2023 0330	3/30/23	1015						30	X	X	X	X	X	X	X	X	MS/MSD
	MW-23_2023 0329	3/29/23	1510						10	X	X	X	X	X	X	X	X	
	MW-24_2023 0329	3/29/23	0930						10	X	X	X	X	X	X	X	X	
	B1(JPHC)_2023 0329	3/29/23	1100						10	X	X	X	X	X	X	X	X	
	B3(JPHC)_2023 0329	3/29/23	~~[illegible]~~ 1025						10	X	X	X	X	X	X	X	X	
	Dup-1_2023 0330	~~0500~~ 3/30/23	0500						10	X	X	X	X	X	X	X	X	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Jesse Scheve + Samantha Hinze	[signature] – Antea	3/31/23	1015	[signature]	3/31/23	1015
Sampler's Company: Antea Group						
Ship Method: Courier — Ship Date: 3/31/23						
Shipment Tracking No:						

Special Instructions: lab filter for Lead samples

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

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

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

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

Lab Name: Test America	BP/ARC Facility Address:	10822 Roosevelt Way NE	Consultant/Contractor: Antea Group
Lab Address: 5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code:	Seattle, WA	Consultant/Contractor Project No: WA - 00980, Groundwater Monitoring
Lab PM: Katie Grant	Lead Regulatory Agency:	Washington State Department of Ecology	Address: 18378-B Redmond Way, Redmond, WA
Lab Phone: 253 922 2310	California Global ID No.:	NA	Consultant/Contractor PM: Brad Jackson
Lab Shipping Accnt: NA	Enfos Proposal No:	00C87-0002/WR1027162	Phone: 9717770241 Email: brad.jackson@anteagroup.us
Lab Bottle Order No: NA	Accounting Mode:	Provision __X__ OOC-BU _____ OOC-RM _____	Send/Submit EDD to: brad.jackson@anteagroup.us
Other Info: katie.grant@et.eurofinsus.com	Stage 70: Commercial-Site Activities	Activity 116: Contracts Management	Invoice To: BP-RM _____ BP/ARC ___X___
BP/RM PM: Wade Melton			
PM Phone: 360-694-7978			
PM Email: wade.melton@bp.com			

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

Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Filt	Pres	Analysis: BTEX by EPA 8260	MTBE by EPA 8260	EDC by EPA 8260	EDB by EPA 8011	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6010/6020	Pb-D by EPA 6010/6020	Comments
	Trip Blank_20230330	3/30/23	0000						4			X				X				

Sampler's Name: Jesse Schewe + Sam Hintze	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Antea Group						
Ship Method: Courier Ship Date: 3/31/23		3/31/23	1015		3/31/23	1015
Shipment Tracking No:						

Special Instructions: lab filter for Lead samples

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

1

Therm. ID: A3 Cor: 2.3 ° Unc: 2.2 °
Cooler Dsc: BB
Packing: Bub
Cust. Seal: Yes ___ No ✓
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ✓
Other: ___

2

Therm. ID: 189 Cor: 2.5 ° Unc: 2.8 °
Cooler Dsc: BB
Packing: Bub
Cust. Seal: Yes ___ No ✓
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ✓
Other: ___

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-125419-1

Login Number: 125419
List Number: 1
Creator: Presley, Kim A

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422094 Batch Start Date: 04/03/23 01:30 Batch Analyst: Rakotz, Ian T

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ResidualChloCheck	5X SUR/IS 00028	VOAMasterMix 00101	VOASTDGASweek 00141
MB 580-422094/6		8260D		5 mL	5 mL		1 uL		
LCS 580-422094/7		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
LCSD 580-422094/8		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
580-125419-A-3	MW-12_20230329	8260D	T	5 mL	5 mL	<2	1 uL		
580-125419-D-4	MW-13_20230329	8260D	T	5 mL	5 mL	<2	1 uL		
580-125419-B-7	MW-23_20230329	8260D	T	5 mL	5 mL	<2	1 uL		
580-125419-C-8	MW-24_20230329	8260D	T	5 mL	5 mL	<2	1 uL		
580-125419-B-9	B1 (JPHC)_20230329	8260D	T	5 mL	5 mL	<2	1 uL		
580-125419-B-10	B3 (JPHC)_20230329	8260D	T	5 mL	5 mL	<2	1 uL		

Batch Notes	
pH Indicator ID	hc203864
Vial Lot Number	0126501H

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422276 Batch Start Date: 04/04/23 10:55 Batch Analyst: McKell, Justin S

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00028	VOAMasterMix 00101	VOASTDGASweek 00141
MB 580-422276/6		8260D		5 mL	5 mL		1 uL		
LCS 580-422276/7		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
LCSD 580-422276/8		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
580-125419-A-1	MW-4_20230330	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-A-2	MW-11_20230330	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-A-5	MW-20_20230330	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-A-6	MW-21_20230330	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-A-6 MS	MW-21_20230330	8260D	T	5 mL	5 mL	<2 SU	1 uL	8.6 uL	8.6 uL
580-125419-A-6 MSD	MW-21_20230330	8260D	T	5 mL	5 mL	<2 SU	1 uL	8.6 uL	8.6 uL
580-125419-D-11	Dup-1_20230330	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-A-12	Trip Blank_20230330	8260D	T	5 mL	5 mL	<2 SU	1 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/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 423662 Batch Start Date: 04/19/23 16:57 Batch Analyst: Rakotz, Ian T

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00028	VOAMasterMix 00101	VOASTDGASweek 00141
MB 580-423662/6		8260D		5 mL	5 mL		1 uL		
LCS 580-423662/7		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
LCSD 580-423662/8		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
580-125419-A-4	MW-13_20230329	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	
pH Indicator ID	215322
Vial Lot Number	0126501H

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422096 Batch Start Date: 04/03/23 01:30 Batch Analyst: Rakotz, Ian T

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00028	GRO_LCS 00083	
MB 580-422096/6		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-422096/9		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-422096/10		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-125419-A-3	MW-12_20230329	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-D-4	MW-13_20230329	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-B-7	MW-23_20230329	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-C-8	MW-24_20230329	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-B-9	B1 (JPHC) 20230329	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-B-10	B3 (JPHC)_20230329	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	
pH Indicator ID	hc203864
Vial Lot Number	0126501H

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422278 Batch Start Date: 04/04/23 10:55 Batch Analyst: McKell, Justin S

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00028	GRO_LCS 00083	
MB 580-422278/6		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-422278/9		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-422278/10		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-125419-A-1	MW-4_20230330	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-A-2	MW-11_20230330	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-A-5	MW-20_20230330	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-D-11	Dup-1_20230330	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-A-12	Trip Blank 20230330	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 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/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 423178 Batch Start Date: 04/13/23 15:34 Batch Analyst: McKell, Justin S

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00028	GRO_LCS 00083	
MB 580-423178/17		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-423178/20		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-423178/21		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-125419-C-6	MW-21_20230330	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-125419-C-6 MS	MW-21_20230330	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL	21.5 uL	
580-125419-C-6 MSD	MW-21_20230330	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL	21.5 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/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 423658 Batch Start Date: 04/19/23 16:57 Batch Analyst: Rakotz, Ian T

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00028	GRO_LCS 00083	
MB 580-423658/6		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-423658/9		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-423658/10		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-125419-A-4	MW-13_20230329	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	
pH Indicator ID	215322
Vial Lot Number	0126501H

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422638 Batch Start Date: 04/07/23 11:01 Batch Analyst: Anderson, Tess O

Batch Method: 8011 Batch End Date: 04/09/23 12:08

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	504/8011_Sspk 00111
MB 580-422638/1		8011, 8011		61.688 g	25.840 g	35.8 mL	2 mL	1.5 SU	
LCS 580-422638/2		8011, 8011		61.487 g	25.839 g	35.6 mL	2 mL	1.5 SU	10 uL
LCSD 580-422638/3		8011, 8011		61.361 g	25.746 g	35.6 mL	2 mL	1.5 SU	10 uL
LLCS 580-422638/4		8011, 8011		61.368 g	25.856 g	35.5 mL	2 mL	1.5 SU	2 uL
580-125419-D-8	MW-24_20230329	8011, 8011	T	59.591 g	25.978 g	33.6 mL	2 mL	1.5 SU	
580-125419-E-9	B1 (JPHC) 20230329	8011, 8011	T	59.788 g	25.983 g	33.8 mL	2 mL	1.5 SU	
580-125419-F-3	MW-12_20230329	8011, 8011	T	61.347 g	26.378 g	35 mL	2 mL	1.5 SU	
580-125419-D-10	B3 (JPHC) 20230329	8011, 8011	T	60.672 g	26.445 g	34.2 mL	2 mL	1.5 SU	
580-125419-F-4	MW-13_20230329	8011, 8011	T	61.385 g	26.410 g	35 mL	2 mL	1.5 SU	
580-125419-E-7	MW-23_20230329	8011, 8011	T	60.739 g	26.044 g	34.7 mL	2 mL	1.5 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	504/8011_Ssur 00131					
MB 580-422638/1		8011, 8011		10 uL					
LCS 580-422638/2		8011, 8011		10 uL					
LCSD 580-422638/3		8011, 8011		10 uL					
LLCS 580-422638/4		8011, 8011		10 uL					
580-125419-D-8	MW-24_20230329	8011, 8011	T	10 uL					
580-125419-E-9	B1 (JPHC) 20230329	8011, 8011	T	10 uL					
580-125419-F-3	MW-12_20230329	8011, 8011	T	10 uL					
580-125419-D-10	B3 (JPHC) 20230329	8011, 8011	T	10 uL					
580-125419-F-4	MW-13_20230329	8011, 8011	T	10 uL					
580-125419-E-7	MW-23_20230329	8011, 8011	T	10 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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422638 Batch Start Date: 04/07/23 11:01 Batch Analyst: Anderson, Tess O

Batch Method: 8011 Batch End Date: 04/09/23 12:08

Batch Notes	
Dispenser Verification	pipette check
Balance ID	SEA230
pH Indicator ID	7312058276447
Pipette/Syringe/Dispenser ID	E1/E2
Analyst ID - Extraction	TA
Analyst ID - Spike Analyst	TA
Sufficient Volume for Batch QC	no
Prep Solvent ID	3432050
NaCl ID	2999869
Vial Lot Number	0110901H
Tumbler ID	32005010763
Tumble Start Time	12:00
Tumble End Time	12:15
Pipette Tip Lot ID	14672200
Batch Comment	vialed by: TA

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422968 Batch Start Date: 04/11/23 15:06 Batch Analyst: Webster, Echo 1

Batch Method: 8011 Batch End Date: 04/13/23 14:57

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	504/8011_Sspk 00111
MB 580-422968/1		8011, 8011		61.194 g	25.803 g	35.4 mL	2 mL	2 SU	
LCS 580-422968/2		8011, 8011		61.065 g	25.855 g	35.2 mL	2 mL	2 SU	10 uL
LCSD 580-422968/3		8011, 8011		61.566 g	26.407 g	35.2 mL	2 mL	2 SU	10 uL
LLCS 580-422968/4		8011, 8011		61.106 g	25.908 g	35.2 mL	2 mL	2 SU	2 uL
580-125419-B-1	MW-4_20230330	8011, 8011	T	61.258 g	25.914 g	35.3 mL	2 mL	2 SU	
580-125419-F-2	MW-11_20230330	8011, 8011	T	60.687 g	26.356 g	34.3 mL	2 mL	2 SU	
580-125419-B-5	MW-20_20230330	8011, 8011	T	60.752 g	26.167 g	34.6 mL	2 mL	2 SU	
580-125419-B-6	MW-21_20230330	8011, 8011	T	61.402 g	26.347 g	35.1 mL	2 mL	2 SU	
580-125419-B-6 MS	MW-21_20230330	8011, 8011	T	60.948 g	25.681 g	35.3 mL	2 mL	2 SU	10 uL
580-125419-B-6 MSD	MW-21_20230330	8011, 8011	T	60.583 g	26.130 g	34.5 mL	2 mL	2 SU	10 uL
580-125419-C-11	Dup-1_20230330	8011, 8011	T	61.548 g	26.228 g	35.3 mL	2 mL	2 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	504/8011_Ssur 00131					
MB 580-422968/1		8011, 8011		10 uL					
LCS 580-422968/2		8011, 8011		10 uL					
LCSD 580-422968/3		8011, 8011		10 uL					
LLCS 580-422968/4		8011, 8011		10 uL					
580-125419-B-1	MW-4_20230330	8011, 8011	T	10 uL					
580-125419-F-2	MW-11_20230330	8011, 8011	T	10 uL					
580-125419-B-5	MW-20_20230330	8011, 8011	T	10 uL					
580-125419-B-6	MW-21_20230330	8011, 8011	T	10 uL					
580-125419-B-6 MS	MW-21_20230330	8011, 8011	T	10 uL					
580-125419-B-6 MSD	MW-21_20230330	8011, 8011	T	10 uL					
580-125419-C-11	Dup-1_20230330	8011, 8011	T	10 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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422968 Batch Start Date: 04/11/23 15:06 Batch Analyst: Webster, Echo 1

Batch Method: 8011 Batch End Date: 04/13/23 14:57

Batch Notes	
Dispenser Verification	pipette check
Balance ID	SEA230
pH Indicator ID	7312058276447
Pipette/Syringe/Dispenser ID	E1/E2
Analyst ID - Extraction	EW
Analyst ID - Spike Analyst	TA
Sufficient Volume for Batch QC	no
Prep Solvent ID	3432050
NaCl ID	2999869
Vial Lot Number	0110901H
Tumbler ID	32005010763
Tumble Start Time	12:30
Tumble End Time	12:45
Pipette Tip Lot ID	14672200
Batch Comment	vialed by: TA

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422231 Batch Start Date: 04/04/23 09:56 Batch Analyst: Oseen, Taryn G

Batch Method: 3510C Batch End Date: 04/04/23 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-422231/1		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
LCS 580-422231/2		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
LCSD 580-422231/3		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
580-125419-H-3	MW-12_20230329	3510C, NWTPH-Dx	T	00414.81 g	00167.61 g	247.2 mL	2 mL	2 SU	n/a SU
580-125419-G-4	MW-13_20230329	3510C, NWTPH-Dx	T	00414.15 g	00167.20 g	247 mL	2 mL	2 SU	n/a SU
580-125419-H-7	MW-23_20230329	3510C, NWTPH-Dx	T	00412.70 g	00166.68 g	246 mL	2 mL	2 SU	n/a SU
580-125419-H-8	MW-24_20230329	3510C, NWTPH-Dx	T	00416.47 g	00168.53 g	247.9 mL	2 mL	2 SU	n/a SU
580-125419-H-9	B1 (JPHC)_20230329	3510C, NWTPH-Dx	T	00403.07 g	00168.44 g	234.6 mL	2 mL	2 SU	n/a SU
580-125419-G-10	B3 (JPHC)_20230329	3510C, NWTPH-Dx	T	00414.30 g	00167.33 g	247 mL	2 mL	2 SU	n/a SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00037	TPH_WaterSurr 00098			
MB 580-422231/1		3510C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-422231/2		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-422231/3		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
580-125419-H-3	MW-12_20230329	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-125419-G-4	MW-13_20230329	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-125419-H-7	MW-23_20230329	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-125419-H-8	MW-24_20230329	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-125419-H-9	B1 (JPHC)_20230329	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-125419-G-10	B3 (JPHC)_20230329	3510C, NWTPH-Dx	T	n/a SU		100 uL			

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

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422231 Batch Start Date: 04/04/23 09:56 Batch Analyst: Oseen, Taryn G

Batch Method: 3510C Batch End Date: 04/04/23 15:30

Batch Notes	
Method/Fraction	3510C_LVI/NWTPH_Dx
Balance ID	SEA225
pH Indicator ID	10BDH3421/6105009/6204001
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	AA/SL/TO
Reagent Water ID	DI
Analyst ID - Spike Analyst	TO
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	224621
Prep Solvent ID	23A0362014
Prep Solvent Volume Used	100 mL
Filter ID	09-790-12F
Na2SO4 ID	baked Na2SO4_00458
Analyst ID - Concentration	SL
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap 5
Thermometer ID - Concentration 2	DIGITAL READOUT
Concentration 2 Uncorrected Temperature	20.0 Degrees C
Concentration 2 Corrected Temperature	19.8 Degrees C
Vial Lot Number	13-09-1335
Batch Comment	Vialed by:SL

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422357 Batch Start Date: 04/05/23 10:21 Batch Analyst: Oseen, Taryn G

Batch Method: 3510C Batch End Date: 04/05/23 15:33

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-422357/1		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
LCS 580-422357/2		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
LCSD 580-422357/3		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
580-125419-H-6	MW-21_20230330	3510C, NWTPH-Dx	T	00412.76 g	00168.44 g	244.3 mL	2 mL	2 SU	n/a SU
580-125419-G-6 MS	MW-21_20230330	3510C, NWTPH-Dx	T	00412.64 g	00167.30 g	245.3 mL	2 mL	2 SU	n/a SU
580-125419-H-6 MSD	MW-21_20230330	3510C, NWTPH-Dx	T	00410.80 g	00167.72 g	243.1 mL	2 mL	2 SU	n/a SU
580-125419-G-1	MW-4_20230330	3510C, NWTPH-Dx	T	00412.02 g	00167.39 g	244.6 mL	2 mL	2 SU	n/a SU
580-125419-G-2	MW-11_20230330	3510C, NWTPH-Dx	T	00413.05 g	00167.52 g	245.5 mL	2 mL	2 SU	n/a SU
580-125419-G-5	MW-20_20230330	3510C, NWTPH-Dx	T	00412.61 g	00167.90 g	244.7 mL	2 mL	2 SU	n/a SU
580-125419-H-11	Dup-1_20230330	3510C, NWTPH-Dx	T	00412.93 g	00168.19 g	244.7 mL	2 mL	2 SU	n/a SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00037	TPH_WaterSurr 00098			
MB 580-422357/1		3510C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-422357/2		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-422357/3		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
580-125419-H-6	MW-21_20230330	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-125419-G-6 MS	MW-21_20230330	3510C, NWTPH-Dx	T	n/a SU	100 uL	100 uL			
580-125419-H-6 MSD	MW-21_20230330	3510C, NWTPH-Dx	T	n/a SU	100 uL	100 uL			
580-125419-G-1	MW-4_20230330	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-125419-G-2	MW-11_20230330	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-125419-G-5	MW-20_20230330	3510C, NWTPH-Dx	T	n/a SU		100 uL			

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

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422357 Batch Start Date: 04/05/23 10:21 Batch Analyst: Oseen, Taryn G

Batch Method: 3510C Batch End Date: 04/05/23 15:33

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00037	TPH_WaterSurr 00098			
580-125419-H-11	Dup-1_20230330	3510C, NWTPH-Dx	T	n/a SU		100 uL			

Batch Notes	
Method/Fraction	3510C_LVI/NWTPH_Dx
Balance ID	SEA225
pH Indicator ID	10BDH3421/6105009/6204001
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	AA/SL/TO
Reagent Water ID	DI
Analyst ID - Spike Analyst	TO
Sufficient Volume for Batch QC	yes
Acid Used for pH Adjustment ID	224621
Prep Solvent ID	23A0362014
Prep Solvent Volume Used	100 mL
Filter ID	09-790-12F
Na2SO4 ID	baked Na2SO4_00458
Analyst ID - Concentration	AA/SL
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap 5
Thermometer ID - Concentration 2	DIGITAL READOUT
Concentration 2 Uncorrected Temperature	20.0 Degrees C
Concentration 2 Corrected Temperature	19.8 Degrees C
Vial Lot Number	13-09-1335
Batch Comment	Vialed by:SL

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422357 Batch Start Date: 04/05/23 10:21 Batch Analyst: Oseen, Taryn G

Batch Method: 3510C Batch End Date: 04/05/23 15:33

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422265 Batch Start Date: 04/04/23 12:50 Batch Analyst: Hua, Tammy M

Batch Method: FILTRATION Batch End Date: 04/05/23 15:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-125419-J-6	MW-21_20230330	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-6 MS	MW-21_20230330	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-6 MSD	MW-21_20230330	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-1	MW-4_20230330	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-2	MW-11_20230330	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-3	MW-12_20230329	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-4	MW-13_20230329	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-5	MW-20_20230330	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-7	MW-23_20230329	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-8	MW-24_20230329	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-9	B1 (JPHC) 20230329	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-10	B3 (JPHC) 20230329	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-125419-J-11	Dup-1_20230330	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
MB 580-422265/14		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCS 580-422265/15		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCSD 580-422265/16		FILTRATION, 3005A, 6020B		250 mL	250 mL				

Batch Notes	
Filter ID	1372242
Nitric Acid ID	3414329

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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422536 Batch Start Date: 04/06/23 13:17 Batch Analyst: Sloan, Joshua L

Batch Method: 3005A Batch End Date: 04/06/23 21:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00023	ICP CAL 2 00022	MET Spike 3C 00042	
580-125419-J-6-A	MW-21_20230330	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-6-A DU	MW-21_20230330	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-6-B MS	MW-21_20230330	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-125419-J-6-C MSD	MW-21_20230330	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-125419-J-4-A	MW-13_20230329	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-9-A	B1 (JPHC) 20230329	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-10-A	B3 (JPHC) 20230329	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-1-A	MW-4_20230330	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-5-A	MW-20_20230330	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-7-A	MW-23_20230329	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-11-A	Dup-1_20230330	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-8-A	MW-24_20230329	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-2-A	MW-11_20230330	3005A, 6020B	D	50 mL	50 mL				
580-125419-J-3-A	MW-12_20230329	3005A, 6020B	D	50 mL	50 mL				
MB 580-422265/14-A		3005A, 6020B		50 mL	50 mL				
LCS 580-422265/15-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-422265/16-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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422536 Batch Start Date: 04/06/23 13:17 Batch Analyst: Sloan, Joshua L

Batch Method: 3005A Batch End Date: 04/06/23 21:30

Batch Notes	
Digestion Tube/Cup ID	3401251
Pipette/Syringe/Dispenser ID	metals prep 2
Analyst ID - Spike Analyst	JLS
Analyst ID - Spike Witness Analyst	JL
Sufficient Volume for Batch QC	yes
Hydrochloric Acid ID	3378148
Nitric Acid ID	3414329
Digestion Unit ID	BLOCK B
Thermometer ID	N01205
Thermometer Location ID	B35
Temperature - Uncorrected - Start	91.0 Degrees C
Temperature - Corrected - Start	90.9 Degrees C
Digestion Start Time	04/06/2023 17:30
Digestion End Time	04/06/2023 21:30
Temperature - Uncorrected - End	91.0 Degrees C
Temperature - Corrected - End	90.9 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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422851 Batch Start Date: 04/10/23 16:05 Batch Analyst: Sloan, Joshua L

Batch Method: 3005A Batch End Date: 04/10/23 22:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00023	ICP CAL 2 00022	MET Spike 3C 00042	
580-125419-I-6	MW-21_20230330	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-6 DU	MW-21_20230330	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-6 MS	MW-21_20230330	3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-125419-I-6 MSD	MW-21_20230330	3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-125419-I-1	MW-4_20230330	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-2	MW-11_20230330	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-3	MW-12_20230329	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-4	MW-13_20230329	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-5	MW-20_20230330	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-7	MW-23_20230329	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-8	MW-24_20230329	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-9	B1 (JPHC) 20230329	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-10	B3 (JPHC) 20230329	3005A, 6020B	R	50 mL	50 mL				
580-125419-I-11	Dup-1_20230330	3005A, 6020B	R	50 mL	50 mL				
MB 580-422851/17		3005A, 6020B		50 mL	50 mL				
LCS 580-422851/18		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-422851/19		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 Seattle Job No.: 580-125419-1

SDG No.:

Batch Number: 422851 Batch Start Date: 04/10/23 16:05 Batch Analyst: Sloan, Joshua L

Batch Method: 3005A Batch End Date: 04/10/23 22:25

Batch Notes	
Digestion Tube/Cup ID	3447204
Pipette/Syringe/Dispenser ID	metals prep 2
Analyst ID - Spike Analyst	TH
Analyst ID - Spike Witness Analyst	JLS
Sufficient Volume for Batch QC	yes
Hydrochloric Acid ID	3378147
Nitric Acid ID	3379186
Digestion Unit ID	block b
Thermometer ID	n01205
Thermometer Location ID	b25
Temperature - Uncorrected - Start	93.0 Degrees C
Temperature - Corrected - Start	92.9 Degrees C
Digestion Start Time	04/10/2023 18:25
Digestion End Time	04/10/2023 22:25
Temperature - Uncorrected - End	93.0 Degrees C
Temperature - Corrected - End	92.9 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.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Megan Richard
Antea USA Inc.
18378-B Redmond Way
Redmond, Washington 98052

Generated 7/14/2023 1:27:27 PM

JOB DESCRIPTION

BP -ARCO 980

JOB NUMBER

580-128995-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

Job Notes

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Table of Contents

Definitions/Glossary

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

Job ID: 580-128995-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Job ID: 580-128995-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-128995-1

Receipt
The samples were received on 6/30/2023 11:41 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 580-430607 recovered outside acceptance criteria, low biased, for MTBE. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 580-431343 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-23_20230628 (580-128995-1), MW-24_20230628 (580-128995-2) and (CCV 580-430582/5-A).

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

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

Organic Prep
Method 8011: The following sample(s) formed emulsions during the extraction procedure. The emulsions were broken up using centrifuge.

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

VOA Prep
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: 580-128995-1

Client Sample ID: MW-23_20230628 — Lab Sample ID: 580-128995-1

No Detections.

Client Sample ID: MW-24_20230628 — Lab Sample ID: 580-128995-2

No Detections.

Client Sample ID: Trip Blank_20230628 — Lab Sample ID: 580-128995-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	0.073		0.050		mg/L	1		NWTPH-Gx	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-23_20230628

Date Collected: 06/28/23 11:20
Date Received: 06/30/23 11:41

Lab Sample ID: 580-128995-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			07/03/23 20:39	1
Toluene	ND		1.0		ug/L			07/03/23 20:39	1
Ethylbenzene	ND		1.0		ug/L			07/03/23 20:39	1
m-Xylene & p-Xylene	ND		2.0		ug/L			07/03/23 20:39	1
o-Xylene	ND		1.0		ug/L			07/03/23 20:39	1
MTBE	ND		1.0		ug/L			07/03/23 20:39	1
EDC	ND		1.0		ug/L			07/03/23 20:39	1
Xylenes, Total	ND		2.0		ug/L			07/03/23 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/03/23 20:39*	*1*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*07/03/23 20:39*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/03/23 20:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*07/03/23 20:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			07/03/23 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*77 - 123*		*07/03/23 20:39*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		07/03/23 12:31	07/12/23 15:25	1
1,2-Dibromo-3-Chloropropane	ND		0.010		ug/L		07/03/23 12:31	07/12/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*84*		*60 - 140*	*07/03/23 12:31*	*07/12/23 15:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/03/23 08:38	07/05/23 15:00	1
Motor Oil (>C24-C36)	ND		360		ug/L		07/03/23 08:38	07/05/23 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*07/03/23 08:38*	*07/05/23 15:00*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		07/05/23 16:30	07/07/23 22:58	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		07/10/23 17:35	07/11/23 17:17	5

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

Job ID: 580-128995-1

Client Sample ID: MW-24_20230628

Date Collected: 06/28/23 10:20
Date Received: 06/30/23 11:41

Lab Sample ID: 580-128995-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			07/03/23 21:03	1
Toluene	ND		1.0		ug/L			07/03/23 21:03	1
Ethylbenzene	ND		1.0		ug/L			07/03/23 21:03	1
m-Xylene & p-Xylene	ND		2.0		ug/L			07/03/23 21:03	1
o-Xylene	ND		1.0		ug/L			07/03/23 21:03	1
MTBE	ND		1.0		ug/L			07/03/23 21:03	1
EDC	ND		1.0		ug/L			07/03/23 21:03	1
Xylenes, Total	ND		2.0		ug/L			07/03/23 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*80 - 120*		*07/03/23 21:03*	*1*
4-Bromofluorobenzene (Surr)	*80*		*80 - 120*		*07/03/23 21:03*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/03/23 21:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*07/03/23 21:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			07/03/23 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*77 - 123*		*07/03/23 21:03*	*1*

Method: EPA 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		07/03/23 12:31	07/12/23 15:41	1
1,2-Dibromo-3-Chloropropane	ND		0.010		ug/L		07/03/23 12:31	07/12/23 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dibromopropane	*81*		*60 - 140*	*07/03/23 12:31*	*07/12/23 15:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/03/23 08:38	07/05/23 15:19	1
Motor Oil (>C24-C36)	ND		350		ug/L		07/03/23 08:38	07/05/23 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*07/03/23 08:38*	*07/05/23 15:19*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		07/05/23 16:30	07/07/23 22:52	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		07/10/23 17:35	07/11/23 17:53	5

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

Job ID: 580-128995-1

Client Sample ID: Trip Blank_20230628

Date Collected: 06/28/23 00:00
Date Received: 06/30/23 11:41

Lab Sample ID: 580-128995-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			07/03/23 17:27	1
Toluene	ND		1.0		ug/L			07/03/23 17:27	1
Ethylbenzene	ND		1.0		ug/L			07/03/23 17:27	1
m-Xylene & p-Xylene	ND		2.0		ug/L			07/03/23 17:27	1
o-Xylene	ND		1.0		ug/L			07/03/23 17:27	1
Xylenes, Total	ND		2.0		ug/L			07/03/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/03/23 17:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*07/03/23 17:27*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*07/03/23 17:27*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/03/23 17:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**0.073**		0.050		mg/L			07/03/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*77 - 123*		*07/03/23 17:27*	*1*

Surrogate Summary

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

Job ID: 580-128995-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	BFB	DBFM	DCA
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
580-128995-1	MW-23_20230628	102	86	100	101
580-128995-2	MW-24_20230628	106	80	100	102
580-128995-3	Trip Blank_20230628	104	92	97	94
LCS 580-430607/7	Lab Control Sample	102	90	96	98
LCSD 580-430607/8	Lab Control Sample Dup	103	98	95	89
MB 580-430607/6	Method Blank	99	92	98	101

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB
Lab Sample ID	Client Sample ID	(77-123)
580-128995-1	MW-23_20230628	86
580-128995-2	MW-24_20230628	80
580-128995-3	Trip Blank_20230628	92
LCS 580-430602/9	Lab Control Sample	95
LCSD 580-430602/10	Lab Control Sample Dup	99
MB 580-430602/6	Method Blank	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8011 - EDB and DBCP in Water by Microextraction

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

		Percent Surrogate Recovery (Acceptance Limits)
		12DBP2
Lab Sample ID	Client Sample ID	(60-140)
580-128995-1	MW-23_20230628	84
580-128995-2	MW-24_20230628	81
LCS 580-430582/2-A	Lab Control Sample	109
LCSD 580-430582/3-A	Lab Control Sample Dup	84
LLCS 580-430582/15-A	Lab Control Sample	82
LLCS 580-430582/4-A	Lab Control Sample	101
MB 580-430582/1-A	Method Blank	92

Surrogate Legend

12DBP = 1,2-Dibromopropane

Surrogate Summary

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

Job ID: 580-128995-1

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)									
580-128995-1	MW-23_20230628	81									
580-128995-2	MW-24_20230628	77									
LCS 580-430561/2-A	Lab Control Sample	83									
LCSD 580-430561/3-A	Lab Control Sample Dup	92									
MB 580-430561/1-A	Method Blank	76									

Surrogate Legend

OTPH = o-Terphenyl

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

Lab Sample ID: MB 580-430607/6
Matrix: Water
Analysis Batch: 430607

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			07/03/23 15:28	1
Toluene	ND		1.0		ug/L			07/03/23 15:28	1
Ethylbenzene	ND		1.0		ug/L			07/03/23 15:28	1
m-Xylene & p-Xylene	ND		2.0		ug/L			07/03/23 15:28	1
o-Xylene	ND		1.0		ug/L			07/03/23 15:28	1
MTBE	ND		1.0		ug/L			07/03/23 15:28	1
EDC	ND		1.0		ug/L			07/03/23 15:28	1
Xylenes, Total	ND		2.0		ug/L			07/03/23 15:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/03/23 15:28*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*07/03/23 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*07/03/23 15:28*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*07/03/23 15:28*	*1*

Lab Sample ID: LCS 580-430607/7
Matrix: Water
Analysis Batch: 430607

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			10.0	9.82		ug/L		98	80 - 122		
Toluene			10.0	9.56		ug/L		96	80 - 120		
Ethylbenzene			10.0	9.27		ug/L		93	80 - 120		
m-Xylene & p-Xylene			10.0	9.24		ug/L		92	80 - 120		
o-Xylene			10.0	9.03		ug/L		90	80 - 120		
MTBE			10.0	8.48		ug/L		85	72 - 120		
EDC			10.0	9.40		ug/L		94	69 - 126		
Xylenes, Total			20.0	18.3		ug/L		91	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 580-430607/8
Matrix: Water
Analysis Batch: 430607

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
Benzene			10.0	9.79		ug/L		98	80 - 122	0	14
Toluene			10.0	9.76		ug/L		98	80 - 120	2	13
Ethylbenzene			10.0	10.0		ug/L		100	80 - 120	8	14
m-Xylene & p-Xylene			10.0	9.97		ug/L		100	80 - 120	8	14
o-Xylene			10.0	9.88		ug/L		99	80 - 120	9	16
MTBE			10.0	8.23		ug/L		82	72 - 120	3	18
EDC			10.0	8.69		ug/L		87	69 - 126	8	11
Xylenes, Total			20.0	19.9		ug/L		99	80 - 120	8	16

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*

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

Lab Sample ID: MB 580-430602/6
Matrix: Water
Analysis Batch: 430602

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		0.050		mg/L			07/03/23 15:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*92*		*77 - 123*		*07/03/23 15:28*	*1*

Lab Sample ID: LCS 580-430602/9
Matrix: Water
Analysis Batch: 430602

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			1.00	0.894		mg/L		89	55 - 148		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*95*		*77 - 123*

Lab Sample ID: LCSD 580-430602/10
Matrix: Water
Analysis Batch: 430602

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			1.00	0.928		mg/L		93	55 - 148	4	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*99*		*77 - 123*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 580-430582/1-A
Matrix: Water
Analysis Batch: 431343

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.010		ug/L		07/03/23 12:31	07/12/23 12:17	1
1,2-Dibromo-3-Chloropropane	ND		0.010		ug/L		07/03/23 12:31	07/12/23 12:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane	*92*		*60 - 140*	*07/03/23 12:31*	*07/12/23 12:17*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 580-430582/2-A
Matrix: Water
Analysis Batch: 431343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430582

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0572	0.0607		ug/L		106	60 - 140		
1,2-Dibromo-3-Chloropropane			0.0570	0.0727		ug/L		128	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dibromopropane	*109*		*60 - 140*

Lab Sample ID: LCSD 580-430582/3-A
Matrix: Water
Analysis Batch: 431343

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 430582

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide			0.0573	0.0602		ug/L		105	60 - 140	1	20
1,2-Dibromo-3-Chloropropane			0.0571	0.0729		ug/L		128	60 - 140	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dibromopropane	*84*		*60 - 140*

Lab Sample ID: LLCS 580-430582/15-A
Matrix: Water
Analysis Batch: 431343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430582

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.00595	0.00595	J	ug/L		100	60 - 145		
1,2-Dibromo-3-Chloropropane			0.00593	0.00791	J	ug/L		133	60 - 145		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*82*		*60 - 140*

Lab Sample ID: LLCS 580-430582/4-A
Matrix: Water
Analysis Batch: 431343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430582

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylene Dibromide			0.0114	0.0121		ug/L		107	60 - 145		
1,2-Dibromo-3-Chloropropane			0.0114	0.0148		ug/L		130	60 - 145		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dibromopropane	*101*		*60 - 140*

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

Lab Sample ID: MB 580-430561/1-A
Matrix: Water
Analysis Batch: 430719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 430561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110		ug/L		07/03/23 08:38	07/05/23 13:23	1
Motor Oil (>C24-C36)	ND		350		ug/L		07/03/23 08:38	07/05/23 13:23	1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*76*		*50 - 150*	*07/03/23 08:38*	*07/05/23 13:23*	*1*

Lab Sample ID: LCS 580-430561/2-A
Matrix: Water
Analysis Batch: 430719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 430561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
#2 Diesel (C10-C24)	4000	2950		ug/L		74	50 - 120
Motor Oil (>C24-C36)	4000	3430		ug/L		86	64 - 120

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

Lab Sample ID: LCSD 580-430561/3-A
Matrix: Water
Analysis Batch: 430719

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 430561

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	4000	3500		ug/L		88	50 - 120	17	26
Motor Oil (>C24-C36)	4000	3970		ug/L		99	64 - 120	15	24

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

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-430775/14-A
Matrix: Water
Analysis Batch: 431140

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 430775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		07/05/23 16:30	07/07/23 22:00	5

Lab Sample ID: LCS 580-430775/15-A
Matrix: Water
Analysis Batch: 431140

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 430775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1000	1010		ug/L		101	80 - 120

Lab Sample ID: LCSD 580-430775/16-A
Matrix: Water
Analysis Batch: 431140

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 430775

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

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

Lab Sample ID: MB 580-430831/1-B
Matrix: Water
Analysis Batch: 431378

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 431234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		07/10/23 17:38	07/11/23 17:09	5

Lab Sample ID: LCS 580-430831/2-B
Matrix: Water
Analysis Batch: 431378

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 431234

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			1000	979		ug/L		98	80 - 120		

Lab Sample ID: LCSD 580-430831/3-B
Matrix: Water
Analysis Batch: 431378

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 431234

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead			1000	1010		ug/L		101	80 - 120	3	20

Lab Sample ID: 580-128995-1 MS
Matrix: Water
Analysis Batch: 431378

Client Sample ID: MW-23_20230628
Prep Type: Dissolved
Prep Batch: 431234

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

Lab Sample ID: 580-128995-1 MSD
Matrix: Water
Analysis Batch: 431378

Client Sample ID: MW-23_20230628
Prep Type: Dissolved
Prep Batch: 431234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1000	1080		ug/L		108	80 - 120	4	20

Lab Sample ID: 580-128995-1 DU
Matrix: Water
Analysis Batch: 431378

Client Sample ID: MW-23_20230628
Prep Type: Dissolved
Prep Batch: 431234

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

GC/MS VOA

Analysis Batch: 430602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Total/NA	Water	NWTPH-Gx	
580-128995-2	MW-24_20230628	Total/NA	Water	NWTPH-Gx	
580-128995-3	Trip Blank_20230628	Total/NA	Water	NWTPH-Gx	
MB 580-430602/6	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-430602/9	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-430602/10	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 430607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Total/NA	Water	8260D	
580-128995-2	MW-24_20230628	Total/NA	Water	8260D	
580-128995-3	Trip Blank_20230628	Total/NA	Water	8260D	
MB 580-430607/6	Method Blank	Total/NA	Water	8260D	
LCS 580-430607/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-430607/8	Lab Control Sample Dup	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 430561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Total/NA	Water	3510C	
580-128995-2	MW-24_20230628	Total/NA	Water	3510C	
MB 580-430561/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-430561/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-430561/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 430582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Total/NA	Water	8011	
580-128995-2	MW-24_20230628	Total/NA	Water	8011	
MB 580-430582/1-A	Method Blank	Total/NA	Water	8011	
LCS 580-430582/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 580-430582/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
LLCS 580-430582/15-A	Lab Control Sample	Total/NA	Water	8011	
LLCS 580-430582/4-A	Lab Control Sample	Total/NA	Water	8011	

Analysis Batch: 430719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Total/NA	Water	NWTPH-Dx	430561
580-128995-2	MW-24_20230628	Total/NA	Water	NWTPH-Dx	430561
MB 580-430561/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	430561
LCS 580-430561/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	430561
LCSD 580-430561/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	430561

Analysis Batch: 431343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Total/NA	Water	8011	430582
580-128995-2	MW-24_20230628	Total/NA	Water	8011	430582
MB 580-430582/1-A	Method Blank	Total/NA	Water	8011	430582
LCS 580-430582/2-A	Lab Control Sample	Total/NA	Water	8011	430582
LCSD 580-430582/3-A	Lab Control Sample Dup	Total/NA	Water	8011	430582

GC Semi VOA (Continued)

Analysis Batch: 431343 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 580-430582/15-A	Lab Control Sample	Total/NA	Water	8011	430582
LLCS 580-430582/4-A	Lab Control Sample	Total/NA	Water	8011	430582

Metals

Prep Batch: 430775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Total Recoverable	Water	3005A	
580-128995-2	MW-24_20230628	Total Recoverable	Water	3005A	
MB 580-430775/14-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-430775/15-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-430775/16-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Filtration Batch: 430831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Dissolved	Water	FILTRATION	
580-128995-2	MW-24_20230628	Dissolved	Water	FILTRATION	
MB 580-430831/1-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-430831/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-430831/3-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
580-128995-1 MS	MW-23_20230628	Dissolved	Water	FILTRATION	
580-128995-1 MSD	MW-23_20230628	Dissolved	Water	FILTRATION	
580-128995-1 DU	MW-23_20230628	Dissolved	Water	FILTRATION	

Analysis Batch: 431140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Total Recoverable	Water	6020B	430775
580-128995-2	MW-24_20230628	Total Recoverable	Water	6020B	430775
MB 580-430775/14-A	Method Blank	Total Recoverable	Water	6020B	430775
LCS 580-430775/15-A	Lab Control Sample	Total Recoverable	Water	6020B	430775
LCSD 580-430775/16-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	430775

Prep Batch: 431234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Dissolved	Water	3005A	430831
580-128995-2	MW-24_20230628	Dissolved	Water	3005A	430831
MB 580-430831/1-B	Method Blank	Dissolved	Water	3005A	430831
LCS 580-430831/2-B	Lab Control Sample	Dissolved	Water	3005A	430831
LCSD 580-430831/3-B	Lab Control Sample Dup	Dissolved	Water	3005A	430831
580-128995-1 MS	MW-23_20230628	Dissolved	Water	3005A	430831
580-128995-1 MSD	MW-23_20230628	Dissolved	Water	3005A	430831
580-128995-1 DU	MW-23_20230628	Dissolved	Water	3005A	430831

Analysis Batch: 431378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1	MW-23_20230628	Dissolved	Water	6020B	431234
580-128995-2	MW-24_20230628	Dissolved	Water	6020B	431234
MB 580-430831/1-B	Method Blank	Dissolved	Water	6020B	431234
LCS 580-430831/2-B	Lab Control Sample	Dissolved	Water	6020B	431234
LCSD 580-430831/3-B	Lab Control Sample Dup	Dissolved	Water	6020B	431234
580-128995-1 MS	MW-23_20230628	Dissolved	Water	6020B	431234

Metals (Continued)

Analysis Batch: 431378 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-128995-1 MSD	MW-23_20230628	Dissolved	Water	6020B	431234
580-128995-1 DU	MW-23_20230628	Dissolved	Water	6020B	431234

Lab Chronicle

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

Job ID: 580-128995-1

Client Sample ID: MW-23_20230628

Lab Sample ID: 580-128995-1

Date Collected: 06/28/23 11:20

Matrix: Water

Date Received: 06/30/23 11:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	430607	JBT	EET SEA	07/03/23 20:39
Total/NA	Analysis	NWTPH-Gx		1	430602	JBT	EET SEA	07/03/23 20:39
Total/NA	Prep	8011			430582	E1W	EET SEA	07/03/23 12:31
Total/NA	Analysis	8011		1	431343	KLW	EET SEA	07/12/23 15:25
Total/NA	Prep	3510C			430561	SL	EET SEA	07/03/23 08:38
Total/NA	Analysis	NWTPH-Dx		1	430719	KLW	EET SEA	07/05/23 15:00
Dissolved	Filtration	FILTRATION			430831	JLS	EET SEA	07/06/23 11:45
Dissolved	Prep	3005A			431234	JL	EET SEA	07/10/23 17:35
Dissolved	Analysis	6020B		5	431378	FCW	EET SEA	07/11/23 17:17
Total Recoverable	Prep	3005A			430775	JLS	EET SEA	07/05/23 16:30
Total Recoverable	Analysis	6020B		5	431140	FCW	EET SEA	07/07/23 22:58

Client Sample ID: MW-24_20230628

Lab Sample ID: 580-128995-2

Date Collected: 06/28/23 10:20

Matrix: Water

Date Received: 06/30/23 11:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	430607	JBT	EET SEA	07/03/23 21:03
Total/NA	Analysis	NWTPH-Gx		1	430602	JBT	EET SEA	07/03/23 21:03
Total/NA	Prep	8011			430582	E1W	EET SEA	07/03/23 12:31
Total/NA	Analysis	8011		1	431343	KLW	EET SEA	07/12/23 15:41
Total/NA	Prep	3510C			430561	SL	EET SEA	07/03/23 08:38
Total/NA	Analysis	NWTPH-Dx		1	430719	KLW	EET SEA	07/05/23 15:19
Dissolved	Filtration	FILTRATION			430831	JLS	EET SEA	07/06/23 11:45
Dissolved	Prep	3005A			431234	JL	EET SEA	07/10/23 17:35
Dissolved	Analysis	6020B		5	431378	FCW	EET SEA	07/11/23 17:53
Total Recoverable	Prep	3005A			430775	JLS	EET SEA	07/05/23 16:30
Total Recoverable	Analysis	6020B		5	431140	FCW	EET SEA	07/07/23 22:52

Client Sample ID: Trip Blank_20230628

Lab Sample ID: 580-128995-3

Date Collected: 06/28/23 00:00

Matrix: Water

Date Received: 06/30/23 11:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	430607	JBT	EET SEA	07/03/23 17:27
Total/NA	Analysis	NWTPH-Gx		1	430602	JBT	EET SEA	07/03/23 17:27

Laboratory References:

EET SEA = Eurofins 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: 580-128995-1

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-23

Method Summary

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

Job ID: 580-128995-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SEA
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SEA
8011	EDB and DBCP in Water by Microextraction	EPA	EET SEA
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SEA
6020B	Metals (ICP/MS)	SW846	EET SEA
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SEA
5030B	Purge and Trap	SW846	EET SEA
8011	Microextraction	SW846	EET SEA
FILTRATION	Sample Filtration	None	EET SEA

Protocol References:

EPA = US Environmental Protection Agency
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:

EET SEA = Eurofins 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: 580-128995-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-128995-1	MW-23_20230628	Water	06/28/23 11:20	06/30/23 11:41
580-128995-2	MW-24_20230628	Water	06/28/23 10:20	06/30/23 11:41
580-128995-3	Trip Blank_20230628	Water	06/28/23 00:00	06/30/23 11:41

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

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

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

Lab Name: Eurofins	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: WA - 00980, Groundwater Monitoring	
Lab PM: Katie Grant	Lead Regulatory Agency: Washington State Department of Ecology	Address: 18378-B Redmond Way, Redmond, WA	
Lab Phone: 253 922 2310	California Global ID No.: NA	Consultant/Contractor PM: Brad Jackson	
Lab Shipping Accnt: NA	Enfos Proposal No: 00C87-0002/WR1027162	Phone: 9717770241 Email: brad.jackson@anteagroup.us	
Lab Bottle Order No: NA	Accounting Mode: Provision ___X__ OOC-BU _____ OOC-RM _____	Send/Submit EDD to: brad.jackson@anteagroup.us	
Other Info: katie.grant@et.eurofinsus.com	Stage 70: Commercial-Site Activities Activity 116: Contracts Management	Invoice To: BP-RM ___X___ BP/ARC _____	
BP/RM PM: Wade Melton			
PM Phone: 360-594-7978			
PM Email: wade.melton@bp.com			

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	EDB by EPA8011	EDC by EPA8260	Comments
	MW-23_20230628	6/28/23	1120	W				G					X	X	X	X	X	X	X	X	
	MW-24_20230628	6/28/23	1020	W				G					X	X	X	X	X	X	X	X	
	Trip Blank_20230628	6/28/23	0000										X		X						

Sample Details | Requested Analyses | Report Type & QC Level

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

Sampler's Name:	Jessi Schewe + Sam Hintze	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	Antea Group	Samantha Hintze / Antea	6/30/23	1141	[signature]	6/30/23	1141
Ship Method:	Courier	Ship Date: 6/30/23					
Shipment Tracking No:							

Special Instructions: lab filter for Lead samples

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

580-128995 Chain of Custody

Therm. ID: IR11 Cor: 4.9 ° Unc: 4.6 °
Cooler Dsc: Labels
Packing: Bag
Cust. Seal: Yes ___ No C
Blue Ice, Wet, Dry, None
FedEx: _____
UPS: _____
Lab Cour: C
Other: _____

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-128995-1

Login Number: 128995
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

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

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430607 Batch Start Date: 07/03/23 13:52 Batch Analyst: Tucker, Jonathon B

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00028	VOAMasterMix 00103	VOASTDGASweek 00144
MB 580-430607/6		8260D		5 mL	5 mL		1 uL		
LCS 580-430607/7		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
LCSD 580-430607/8		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
580-128995-B-3	Trip Blank 20230628	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-128995-F-1	MW-23_20230628	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-128995-D-2	MW-24_20230628	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	
pH Indicator ID	HC203864
Vial Lot Number	0126501H

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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430602 Batch Start Date: 07/03/23 13:52 Batch Analyst: Tucker, Jonathon B

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00028	GRO_LCS 00087	
MB 580-430602/6		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-430602/9		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-430602/10		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-128995-B-3	Trip Blank 20230628	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-128995-F-1	MW-23_20230628	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-128995-D-2	MW-24_20230628	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	
pH Indicator ID	HC203864
Vial Lot Number	0126501H

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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430582 Batch Start Date: 07/03/23 12:31 Batch Analyst: Webster, Echo 1

Batch Method: 8011 Batch End Date: 07/10/23 17:13

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	504/8011_Sspk 00116
MB 580-430582/1		8011, 8011		60.943 g	25.944 g	35 mL	2 mL	1.5 SU	
LCS 580-430582/2		8011, 8011		60.760 g	25.643 g	35.1 mL	2 mL	1.5 SU	10 uL
LCSD 580-430582/3		8011, 8011		60.412 g	25.439 g	35 mL	2 mL	1.5 SU	10 uL
LLCS 580-430582/4		8011, 8011		60.996 g	25.826 g	35.2 mL	2 mL	1.5 SU	2 uL
580-128995-E-1	MW-23_20230628	8011, 8011	T	60.759 g	26.051 g	34.7 mL	2 mL	1.5 SU	
580-128995-E-2	MW-24_20230628	8011, 8011	T	61.030 g	25.974 g	35.1 mL	2 mL	1.5 SU	
LLCS 580-430582/15		8011, 8011		59.728 g	26.057 g	33.7 mL	2 mL	1.5 SU	1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	504/8011_Ssur 00133					
MB 580-430582/1		8011, 8011		10 uL					
LCS 580-430582/2		8011, 8011		10 uL					
LCSD 580-430582/3		8011, 8011		10 uL					
LLCS 580-430582/4		8011, 8011		10 uL					
580-128995-E-1	MW-23_20230628	8011, 8011	T	10 uL					
580-128995-E-2	MW-24_20230628	8011, 8011	T	10 uL					
LLCS 580-430582/15		8011, 8011		10 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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430582 Batch Start Date: 07/03/23 12:31 Batch Analyst: Webster, Echo 1

Batch Method: 8011 Batch End Date: 07/10/23 17:13

Batch Notes	
Dispenser Verification	8011
Balance ID	sea 230
Pipette/Syringe/Dispenser ID	edb-2, sve1-1, edb-1
Analyst ID - Extraction	EF
Analyst ID - Spike Analyst	EF
Sufficient Volume for Batch QC	yes
Prep Solvent ID	3525004
NaCl ID	2999870
Centrifuge ID	333
Vial Lot Number	24158478
Tumble Start Time	00:00
Tumble End Time	00:00
Batch Comment	vialed by: EF

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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430561 Batch Start Date: 07/03/23 08:37 Batch Analyst: Ledesma, Santiago

Batch Method: 3510C Batch End Date: 07/03/23 11:09

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-430561/1		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
LCS 580-430561/2		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
LCSD 580-430561/3		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
580-128995-J-1	MW-23_20230628	3510C, NWTPH-Dx	T	00411.99 g	00167.97 g	244 mL	2 mL	2 SU	n/a SU
580-128995-I-2	MW-24_20230628	3510C, NWTPH-Dx	T	00414.01 g	00167.55 g	246.5 mL	2 mL	2 SU	n/a SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00038	TPH_WaterSurr 00101			
MB 580-430561/1		3510C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-430561/2		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-430561/3		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
580-128995-J-1	MW-23_20230628	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-128995-I-2	MW-24_20230628	3510C, NWTPH-Dx	T	n/a SU		100 uL			

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

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430561 Batch Start Date: 07/03/23 08:37 Batch Analyst: Ledesma, Santiago

Batch Method: 3510C Batch End Date: 07/03/23 11:09

Batch Notes	
Method/Fraction	3510C_LVI/NWTPH_Dx
Balance ID	SEA225
pH Indicator ID	10BDH3421/6105009/6204001
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	JW
Reagent Water ID	DI
Analyst ID - Spike Analyst	JW
Analyst ID - Spike Witness Analyst	SL
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	224621
Prep Solvent ID	23C2862010
Prep Solvent Volume Used	100 mL
Filter ID	09-790-12F
Na2SO4 ID	baked Na2SO4_00464
Analyst ID - Concentration	EF
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap 5
Thermometer ID - Concentration 2	DIGITAL READOUT
Concentration 2 Uncorrected Temperature	20.0 Degrees C
Concentration 2 Corrected Temperature	21.7 Degrees C
Vial Lot Number	13-09-1335
Batch Comment	Vialed by: JW

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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430775 Batch Start Date: 07/05/23 16:30 Batch Analyst: Sloan, Joshua L

Batch Method: 3005A Batch End Date: 07/05/23 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00025	ICP CAL 2 00024	MET Spike 3C 00044	
580-128907-N-1		3005A, 6020B	R	50 mL	50 mL				
580-128907-N-1 DU		3005A, 6020B	R	50 mL	50 mL				
580-128907-N-1 MS		3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-128907-N-1 MSD		3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-128995-L-1	MW-23_20230628	3005A, 6020B	R	50 mL	50 mL				
580-128995-L-2	MW-24_20230628	3005A, 6020B	R	50 mL	50 mL				
MB 580-430775/14		3005A, 6020B		50 mL	50 mL				
LCS 580-430775/15		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-430775/16		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
Digestion Tube/Cup ID	3505320
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	TH
Analyst ID - Spike Witness Analyst	JLS
Sufficient Volume for Batch QC	YES
Hydrochloric Acid ID	3505349
Nitric Acid ID	3232860
Digestion Unit ID	BLOCK B
Thermometer ID	5317
Thermometer Location ID	B38
Temperature - Uncorrected - Start	92.0 Degrees C
Temperature - Corrected - Start	91.6 Degrees C
Digestion Start Time	07/05/2023 18:00
Digestion End Time	07/05/2023 22:00
Temperature - Uncorrected - End	92.0 Degrees C
Temperature - Corrected - End	91.6 Degrees C

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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430775 Batch Start Date: 07/05/23 16:30 Batch Analyst: Sloan, Joshua L

Batch Method: 3005A Batch End Date: 07/05/23 22:00

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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 430831 Batch Start Date: 07/06/23 11:45 Batch Analyst: Sloan, Joshua L

Batch Method: FILTRATION Batch End Date: 07/07/23 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-430831/1		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCS 580-430831/2		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCSD 580-430831/3		FILTRATION, 3005A, 6020B		250 mL	250 mL				
580-128995-K-1	MW-23_20230628	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-128995-K-2	MW-24_20230628	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				

Batch Notes	
Filter ID	1372242
Nitric Acid ID	3232860 / 3100720

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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 431234 Batch Start Date: 07/10/23 17:35 Batch Analyst: Lees, Jensen

Batch Method: 3005A Batch End Date: 07/10/23 22:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00025	ICP CAL 2 00024	MET Spike 3C 00044	
580-128995-K-1-A	MW-23_20230628	3005A, 6020B	D	50 mL	50 mL				
580-128995-K-1-A DU	MW-23_20230628	3005A, 6020B	D	50 mL	50 mL				
580-128995-K-1-A MS	MW-23_20230628	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-128995-K-1-A MSD	MW-23_20230628	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-128995-K-2-A	MW-24_20230628	3005A, 6020B	D	50 mL	50 mL				
MB 580-430831/1-A		3005A, 6020B		50 mL	50 mL				
LCS 580-430831/2-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-430831/3-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
Digestion Tube/Cup ID	3479420
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	JLS
Analyst ID - Spike Witness Analyst	TH
Sufficient Volume for Batch QC	YES
Hydrochloric Acid ID	3383922
Nitric Acid ID	3133726
Digestion Unit ID	block a
Thermometer ID	1108438
Thermometer Location ID	a41
Temperature - Uncorrected - Start	93.5 Degrees C
Temperature - Corrected - Start	93.1 Degrees C
Digestion Start Time	07/10/2023 18:50
Digestion End Time	07/10/2023 22:50
Temperature - Uncorrected - End	93.5 Degrees C
Temperature - Corrected - End	93.1 Degrees C

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 Seattle Job No.: 580-128995-1

SDG No.:

Batch Number: 431234 Batch Start Date: 07/10/23 17:35 Batch Analyst: Lees, Jensen

Batch Method: 3005A Batch End Date: 07/10/23 22:50

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.