Remediation Management Services Company

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

July 28, 2022

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

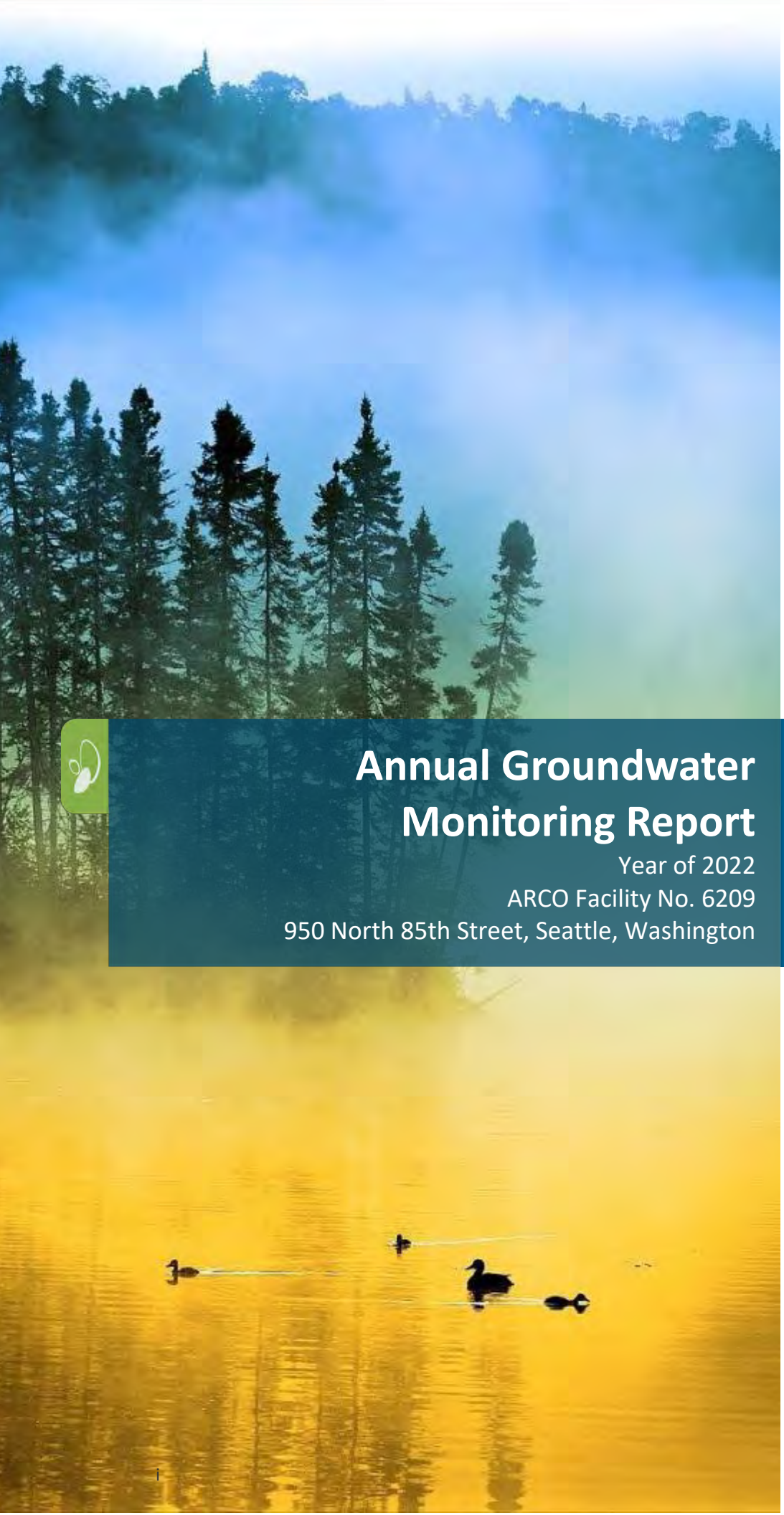
Dear Ms. Fernandez:

Please find the enclosed Semi-Annual Groundwater Monitoring Report –Yer of 2022, that documents the results at ARCO Facility No. 6209 located at 950 North 85th Street, Seattle, Washington.

Sincerely yours,

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

cc: File, Antea Group



Annual Groundwater Monitoring Report

Year of 2022
ARCO Facility No. 6209
950 North 85th Street, 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 - Seattle, WA
July 28, 2022
Project No. WA - 06209 Seattle
FSID No. 95874764

us.anteagroup.com

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Annual Groundwater Monitoring Report

Year of 2022
ARCO Facility No. 6209
950 North 85th Street, Seattle, Washington

ARCO Facility No.	6209
Address	950 North 85th Street, Seattle, Washington
Atlantic Richfield Project Manager	Wade Melton, +1 360 594 7978
Consulting Co. /Contact Person	Antea®Group / Taylor Roberts +1 509 438 3112
Consultant Project Number	WA – 06209 Seattle
Ecology Facility Site ID No.	Washington State Department of Ecology FSID # 95874764

WORK PERFORMED DURING 2022

- Antea Group conducted annual groundwater monitoring and sampling on February 4, 2022.
- Antea Group prepared this annual groundwater monitoring report.

WORK SCHEDULED FOR 2023

- Antea Group will conduct annual groundwater monitoring and sampling.
- Antea Group will prepare an annual groundwater monitoring report.

Current Phase of Project	Monitoring	
Frequency of Groundwater Sampling and Monitoring	Annual	
Are LPH Present On-Site	No	
LPH Recovered this Reporting Period	None	
Cumulative LPH Recovered to Date	None	
Amount of Soil Removed to Date	75 cubic yards	
Current Remediation Techniques	Natural Attenuation	
Approximate Depth to Groundwater	February 4, 2022	5.84 – 10.56 ft. bgs.
Approximate Groundwater Gradient	February 4, 2022	East, 0.041 ft./linear ft.

REMARKS

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

Prepared by

Samantha Hinze

Date: July 28, 2022

Samantha Hinze
Staff Professional

Reviewed by:

Date: July 28, 2022

Taylor Roberts
Project Manager

Date: July 28, 2022

Megan Richard, LG
Senior Project Manager

cc: Ms. Sonia Fernandez, Department of Ecology, Northwest Regional Office (Hardcopy, Electronic Copy)
Mr. Wade Melton, Remediation Management Service Company (Electronic Copy - RMO Upload)
File, Antea Group

CONTACT INFORMATION

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Redmond, WA 98025 USA

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Tables

Table 1
Groundwater Gauging Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

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	5/25/1995	99.38	6.56	NP	--	92.82	--
MW-1	11/17/1995	99.38	6.71	NP	--	92.67	--
MW-1	2/15/1996	99.38	5.96	NP	--	93.42	--
MW-1	5/7/1996	99.38	5.55	NP	--	93.83	--
MW-1	8/23/1996	99.38	6.66	NP	--	92.72	--
MW-1	11/11/1996	99.38	6.85	NP	--	92.53	--
MW-1	3/17/1997	99.38	5.07	NP	--	94.31	--
MW-1	8/21/1997	99.38	6.53	NP	--	92.85	--
MW-1	3/12/1998	99.38	5.20	NP	--	94.18	--
MW-1	9/22/1998	99.38	7.65	NP	--	91.73	--
MW-1	3/31/1999	99.38	5.17	NP	--	94.21	--
MW-1	9/28/1999	99.38	7.40	NP	--	91.98	--
MW-1	3/24/2000	99.38	5.97	NP	--	93.41	--
MW-1	9/27/2000	99.38	8.24	NP	--	91.14	--
MW-1	3/22/2001	99.38	7.14	NP	--	92.24	--
MW-1	9/14/2001	99.38	8.39	NP	--	90.99	--
MW-1	2/20/2002	99.38	6.25	NP	--	93.13	--
MW-1	2/28/2003	99.38	4.31	NP	--	95.07	--
MW-1	3/11/2004	99.38	6.53	NP	--	92.85	--
MW-1	3/3/2005	99.38	7.67	NP	--	91.71	--
MW-1	6/9/2005	99.38	7.66	NP	--	91.72	--
MW-1	9/12/2005	99.38	8.89	NP	--	90.49	--
MW-1	11/9/2005	99.38	8.53	NP	--	90.85	--
MW-1	3/3/2006	99.38	6.70	NP	--	92.68	--
MW-1	7/26/2006	99.38	12.75	NP	--	86.63	--
MW-1	10/24/2006	99.38	9.31	NP	--	90.07	--
MW-1	3/7/2007	99.38	6.90	NP	--	92.48	--
MW-1	4/12/2007	99.38	7.06	NP	--	92.32	--
MW-1	4/10/2008	99.38	6.81	NP	--	92.57	--
MW-1	10/7/2008	99.38	8.36	NP	--	91.02	--
MW-1	4/13/2009	99.38	6.64	NP	--	92.74	--
MW-1	10/23/2009	99.38	8.22	NP	--	91.16	--
MW-1	6/4/2010	99.38	6.22	NP	--	93.16	--
MW-1	10/20/2010	99.38	7.66	NP	--	91.72	--
MW-1	4/15/2011	99.38	5.55	NP	--	93.83	--
MW-1	11/22/2011	99.38	7.81	NP	--	91.57	--
MW-1	4/19/2012	99.38	6.30	NP	--	93.08	--
MW-1	11/16/2012	99.38	6.84	NP	--	92.54	--
MW-1	5/31/2013	99.38	6.50	NP	--	92.88	--
MW-1	9/17/2013	99.38	7.72	NP	--	91.66	--
MW-1	11/1/2013	99.38	7.86	NP	--	91.52	--
MW-1	5/27/2014	254.73	6.42	NP	--	248.31	--
MW-1	8/18/2014	254.73	7.49	NP	--	247.24	--
MW-1	11/3/2014	254.73	6.72	NP	--	248.01	--
MW-1	2/3/2015	254.73	6.39	NP	--	248.34	--
MW-1	8/26/2015	254.73	8.25	NP	--	246.48	--
MW-1	12/10/2015	254.73	5.99	NP	--	248.74	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

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	9/29/2016	254.73	8.29	NP	--	246.44	--
MW-1	12/13/2016	254.73	6.03	NP	--	248.70	--
MW-1	3/2/2017	254.73	5.53	NP	--	249.20	--
MW-1	8/24/2017	254.73	7.58	NP	--	247.15	--
MW-1	3/9/2018	254.73	6.12	NP	--	248.61	--
MW-1	9/11/2018	254.73	8.52	NP	--	246.21	--
MW-1	5/1/2019	254.73	7.02	NP	--	247.71	--
MW-1	11/5/2019	254.73	8.31	NP	--	246.42	--
MW-1	12/3/2019	254.73	8.45	NP	--	246.28	--
MW-1	6/3/2020	254.73	6.64	NP	--	248.09	--
MW-1	11/9/2020	254.73	7.81	NP	--	246.92	--
MW-1	2/4/2022	254.73	6.08	NP	--	248.65	--
MW-2	5/25/1995	98.05	7.04	NP	--	91.01	--
MW-2	11/17/1995	98.05	7.27	NP	--	90.78	--
MW-2	2/15/1996	98.05	5.17	NP	--	92.88	--
MW-2	5/7/1996	98.05	6.15	NP	--	91.90	--
MW-2	8/23/1996	98.05	7.14	NP	--	90.91	--
MW-2	11/11/1996	98.05	7.41	NP	--	90.64	--
MW-2	3/17/1997	98.05	5.79	NP	--	92.26	--
MW-2	8/21/1997	98.05	7.08	NP	--	90.97	--
MW-2	3/12/1998	98.05	5.76	NP	--	92.29	--
MW-2	9/22/1998	98.05	8.18	NP	--	89.87	--
MW-2	3/31/1999	98.05	5.72	NP	--	92.33	--
MW-2	9/28/1999	98.05	7.90	NP	--	90.15	--
MW-2	3/24/2000	98.05	6.13	NP	--	91.92	--
MW-2	9/27/2000	98.05	8.36	NP	--	89.69	--
MW-2	3/22/2001	98.05	7.37	NP	--	90.68	--
MW-2	9/14/2001	98.05	8.60	NP	--	89.45	--
MW-2	2/20/2002	98.05	6.54	NP	--	91.51	--
MW-2	2/28/2003	98.05	7.75	NP	--	90.30	--
MW-2	3/11/2004	98.05	7.04	NP	--	91.01	--
MW-2	3/3/2005	98.05	8.29	NP	--	89.76	--
MW-2	6/9/2005	98.05	8.21	NP	--	89.84	--
MW-2	9/12/2005	98.05	9.47	NP	--	88.58	--
MW-2	11/9/2005	98.05	9.17	NP	--	88.88	--
MW-2	3/3/2006	98.05	7.38	NP	--	90.67	--
MW-2	7/26/2006	98.05	9.05	NP	--	89.00	--
MW-2	10/24/2006	98.05	9.93	NP	--	88.12	--
MW-2	3/7/2007	98.05	7.54	NP	--	90.51	--
MW-2	4/12/2007	98.05	7.62	NP	--	90.43	--
MW-2	4/10/2008	98.05	7.50	NP	--	90.55	--
MW-2	10/7/2008	98.05	5.88	NP	--	92.17	--
MW-2	4/13/2009	98.05	7.19	NP	--	90.86	--
MW-2	10/23/2009	98.05	8.75	NP	--	89.30	--
MW-2	6/4/2010	98.05	6.90	NP	--	91.15	--
MW-2	10/20/2010	98.05	8.16	NP	--	89.89	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	4/15/2011	98.05	6.33	NP	--	91.72	--
MW-2	11/22/2011	98.05	8.32	NP	--	89.73	--
MW-2	4/19/2012	98.05	6.80	NP	--	91.25	--
MW-2	11/16/2012	98.05	7.50	NP	--	90.55	--
MW-2	5/31/2013	98.05	6.98	NP	--	91.07	--
MW-2	9/17/2013	98.05	8.23	NP	--	89.82	--
MW-2	11/1/2013	98.05	8.36	NP	--	89.69	--
MW-2	5/27/2014	253.38	6.91	NP	--	246.47	--
MW-2	8/18/2014	253.38	7.91	NP	--	245.47	--
MW-2	11/3/2014	253.38	7.21	NP	--	246.17	--
MW-2	2/3/2015	253.38	6.85	NP	--	246.53	--
MW-2	8/26/2015	253.38	8.69	NP	--	244.69	--
MW-2	12/10/2015	253.38	6.59	NP	--	246.79	--
MW-2	9/29/2016	253.38	8.69	NP	--	244.69	--
MW-2	12/13/2016	253.38	6.55	NP	--	246.83	--
MW-2	3/2/2017	253.38	6.25	NP	--	247.13	--
MW-2	8/24/2017	253.38	8.02	NP	--	245.36	--
MW-2	3/9/2018	253.38	6.54	NP	--	246.84	--
MW-2	9/11/2018	253.38	8.95	NP	--	244.43	--
MW-2	5/1/2019	253.38	7.44	NP	--	245.94	--
MW-2	11/5/2019	253.38	8.81	NP	--	244.57	--
MW-2	12/3/2019	253.38	8.95	NP	--	244.43	--
MW-2	6/3/2020	253.38	7.07	NP	--	246.31	--
MW-2	9/24/2020	253.38	8.53	NP	--	244.85	--
MW-2	9/25/2020	253.38	8.45	NP	--	244.93	--
MW-2	11/9/2020	253.38	8.32	NP	--	245.06	--
MW-2	2/17/2021	253.38	6.04	NP	--	247.34	--
MW-2	5/18/2021	253.38	7.16	NP	--	246.22	--
MW-2	6/8/2021	253.38	7.41	NP	--	245.97	--
MW-2	8/18/2021	253.38	8.45	NP	--	244.93	--
MW-2	11/8/2021	253.38	7.71	NP	--	245.67	--
MW-2	2/4/2022	253.38	6.52	NP	--	246.86	--
MW-3	5/25/1995	103.29	10.80	NP	--	92.49	--
MW-3	11/17/1995	103.29	11.06	NP	--	92.23	--
MW-3	2/15/1996	103.29	9.51	NP	--	93.78	--
MW-3	5/7/1996	103.29	9.85	NP	--	93.44	--
MW-3	8/23/1996	103.29	10.90	NP	--	92.39	--
MW-3	11/11/1996	103.29	11.20	NP	--	92.09	--
MW-3	3/17/1997	103.29	9.49	NP	--	93.80	--
MW-3	8/21/1997	103.29	10.79	NP	--	92.50	--
MW-3	3/12/1998	103.29	9.58	NP	--	93.71	--
MW-3	9/22/1998	103.29	11.94	NP	--	91.35	--
MW-3	3/31/1999	103.29	9.45	NP	--	93.84	--
MW-3	9/28/1999	103.29	11.59	NP	--	91.70	--
MW-3	3/24/2000	103.29	10.10	NP	--	93.19	--
MW-3	9/27/2000	103.29	12.41	NP	--	90.88	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

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	3/22/2001	103.29	11.33	NP	--	91.96	--
MW-3	9/14/2001	103.29	12.57	NP	--	90.72	--
MW-3	2/20/2002	103.29	10.45	NP	--	92.84	--
MW-3	2/28/2003	103.29	11.56	NP	--	91.73	--
MW-3	3/11/2004	103.29	10.76	NP	--	92.53	--
MW-3	3/3/2005	103.29	12.22	NP	--	91.07	--
MW-3	6/9/2005	103.29	11.96	NP	--	91.33	--
MW-3	9/12/2005	103.29	13.21	NP	--	90.08	--
MW-3	11/9/2005	103.29	13.88	NP	--	89.41	--
MW-3	3/3/2006	103.29	10.97	NP	--	92.32	--
MW-3	7/26/2006	103.29	8.61	NP	--	94.68	--
MW-3	10/24/2006	103.29	13.70	NP	--	89.59	--
MW-3	3/7/2007	103.29	11.21	NP	--	92.08	--
MW-3	4/12/2007	103.29	11.32	NP	--	91.97	--
MW-3	4/10/2008	103.29	11.14	NP	--	92.15	--
MW-3	10/7/2008	103.29	12.73	NP	--	90.56	--
MW-3	4/13/2009	103.29	10.93	NP	--	92.36	--
MW-3	10/23/2009	103.29	12.63	NP	--	90.66	--
MW-3	6/4/2010	103.29	10.77	NP	--	92.52	--
MW-3	10/20/2010	103.29	12.00	NP	--	91.29	--
MW-3	4/15/2011	103.29	9.85	NP	--	93.44	--
MW-3	11/22/2011	103.29	12.15	NP	--	91.14	--
MW-3	4/19/2012	103.29	10.58	NP	--	92.71	--
MW-3	11/16/2012	103.29	11.26	NP	--	92.03	--
MW-3	5/31/2013	103.29	10.80	NP	--	92.49	--
MW-3	9/17/2013	103.29	12.01	NP	--	91.28	--
MW-3	11/1/2013	103.29	12.15	NP	--	91.14	--
MW-3	5/27/2014	258.62	10.69	NP	--	247.93	--
MW-3	8/18/2014	258.62	11.78	NP	--	246.84	--
MW-3	11/3/2014	258.62	11.04	NP	--	247.58	--
MW-3	2/3/2015	258.62	10.65	NP	--	247.97	--
MW-3	8/26/2015	258.62	12.54	NP	--	246.08	--
MW-3	12/10/2015	258.62	10.48	NP	--	248.14	--
MW-3	9/29/2016	258.62	12.56	NP	--	246.06	--
MW-3	12/13/2016	258.62	10.34	NP	--	248.28	--
MW-3	3/2/2017	258.62	9.82	NP	--	248.80	--
MW-3	8/24/2017	258.62	11.85	NP	--	246.77	--
MW-3	3/9/2018	258.62	10.39	NP	--	248.23	--
MW-3	9/11/2018	258.62	12.83	NP	--	245.79	--
MW-3	5/1/2019	258.62	11.25	NP	--	247.37	--
MW-3	11/5/2019	258.62	12.64	NP	--	245.98	--
MW-3	12/3/2019	258.62	12.75	NP	--	245.87	--
MW-3	6/3/2020	258.62	10.86	NP	--	247.76	--
MW-3	11/9/2020	258.62	12.11	NP	--	246.51	--
MW-3	2/17/2021	258.62	9.68	NP	--	248.94	--
MW-3	5/18/2021	258.62	10.96	NP	--	247.66	--
MW-3	6/8/2021	258.62	11.25	NP	--	247.37	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

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	8/18/2021	258.62	12.28	NP	--	246.34	--
MW-3	11/8/2021	258.62	11.30	NP	--	247.32	--
MW-3	2/4/2022	258.62	10.32	NP	--	248.30	--
MW-4	5/27/2014	254.41	7.93	NP	--	246.48	--
MW-4	8/18/2014	254.41	8.99	NP	--	245.42	--
MW-4	11/3/2014	254.41	8.34	NP	--	246.07	--
MW-4	2/3/2015	254.41	8.85	NP	--	245.56	--
MW-4	8/26/2015	254.41	9.74	NP	--	244.67	--
MW-4	12/10/2015	254.41	7.94	NP	--	246.47	--
MW-4	9/29/2016	254.41	9.78	NP	--	244.63	--
MW-4	12/13/2016	254.41	7.52	NP	--	246.89	--
MW-4	3/2/2017	254.41	7.00	NP	--	247.41	--
MW-4	8/24/2017	254.41	9.07	NP	--	245.34	--
MW-4	3/9/2018	254.41	7.53	NP	--	246.88	--
MW-4	9/11/2018	254.41	10.00	NP	--	244.41	--
MW-4	5/1/2019	254.41	8.48	NP	--	245.93	--
MW-4	11/5/2019	254.41	9.26	NP	--	245.15	--
MW-4	12/3/2019	254.41	9.97	NP	--	244.44	--
MW-4	6/3/2020	254.41	8.16	NP	--	246.25	--
MW-4	9/24/2020	254.41	9.60	NP	--	244.81	--
MW-4	9/25/2020	254.41	9.50	NP	--	244.91	--
MW-4	11/9/2020	254.41	9.35	NP	--	245.06	--
MW-4	2/17/2021	254.41	7.00	NP	--	247.41	--
MW-4	5/18/2021	254.41	8.16	NP	--	246.25	--
MW-4	6/8/2021	254.41	8.44	NP	--	245.97	--
MW-4	8/18/2021	254.41	9.50	NP	--	244.91	--
MW-4	11/8/2021	254.41	8.61	NP	--	245.80	--
MW-4	2/4/2022	254.41	7.53	NP	--	246.88	--
MW-5	5/1/2019	257.92	10.16	NP	--	247.76	--
MW-5	11/5/2019	257.92	11.50	NP	--	246.42	--
MW-5	12/3/2019	257.92	11.63	NP	--	246.29	--
MW-5	6/3/2020	257.92	9.78	NP	--	248.14	--
MW-5	9/24/2020	257.92	11.27	NP	--	246.65	--
MW-5	11/9/2020	257.92	11.00	NP	--	246.92	--
MW-5	2/17/2021	257.92	8.67	NP	--	249.25	--
MW-5	5/18/2021	257.92	9.88	NP	--	248.04	--
MW-5	6/8/2021	257.92	10.15	NP	--	247.77	--
MW-5	8/18/2021	257.92	11.21	NP	--	246.71	--
MW-5	11/8/2021	257.92	10.21	NP	--	247.71	--
MW-5	2/4/2022	257.92	9.25	NP	--	248.67	--
MW-6	5/1/2019	253.84	7.16	NP	--	246.68	--
MW-6	11/5/2019	253.84	8.95	NP	--	244.89	--
MW-6	12/3/2019	253.84	9.05	NP	--	244.79	--
MW-6	6/3/2020	253.84	6.84	NP	--	247.00	--

Table 1
Groundwater Gauging Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

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	9/24/2020	253.84	8.71	NP	--	245.13	--
MW-6	9/25/2020	253.84	8.68	NP	--	245.16	--
MW-6	11/9/2020	253.84	8.00	NP	--	245.84	--
MW-6	2/17/2021	253.84	4.25	NP	--	249.59	--
MW-6	5/18/2021	253.84	6.95	NP	--	246.89	--
MW-6	6/8/2021	253.84	7.11	NP	--	246.73	--
MW-6	8/18/2021	253.84	8.62	NP	--	245.22	--
MW-6	11/8/2021	253.84	7.01	NP	--	246.83	--
MW-6	2/4/2022	253.84	5.84	NP	--	248.00	--
MW-7	5/1/2019	262.40	12.04	NP	--	250.36	--
MW-7	11/5/2019	262.40	13.31	NP	--	249.09	--
MW-7	6/3/2020	262.40	11.26	NP	--	251.14	--
MW-7	11/9/2020	262.40	12.68	NP	--	249.72	--
MW-7	2/17/2021	262.40	9.97	NP	--	252.43	--
MW-7	5/18/2021	262.40	10.91	NP	--	251.49	--
MW-7	6/8/2021	262.40	11.21	NP	--	251.19	--
MW-7	8/18/2021	262.40	12.59	NP	--	249.81	--
MW-7	11/8/2021	262.40	12.06	NP	--	250.34	--
MW-7	2/4/2022	262.40	10.56	NP	--	251.84	--
B-1	3/12/1998	--	--	--	--	--	Dry
B-1	9/22/1998	--	--	--	--	--	Dry
B-1	3/31/1999	--	--	--	--	--	Dry
B-1	9/28/1999	--	--	--	--	--	Dry
B-1	3/24/2000	--	--	--	--	--	Dry
B-1	9/27/2000	--	--	--	--	--	Dry
B-1	3/22/2001	--	--	--	--	--	Dry
B-1	9/14/2001	--	--	--	--	--	Dry
B-1	2/20/2002	--	--	--	--	--	Dry
B-1	2/28/2003	--	--	--	--	--	Dry
B-1	3/11/2004	--	--	--	--	--	Dry
B-1	3/3/2005	--	--	--	--	--	Dry
B-1	6/9/2005	--	--	--	--	--	Dry
B-1	9/12/2005	--	--	--	--	--	Dry
B-1	11/9/2005	--	--	--	--	--	Dry
B-1	3/3/2006	--	--	--	--	--	Dry
B-1	7/26/2006	--	--	--	--	--	Dry
B-1	11/16/2012	--	--	--	--	--	Dry
B-1	9/29/2016	--	--	--	--	--	NG
B-1	12/13/2016	--	--	--	--	--	Dry
B-1	3/2/2017	--	--	--	--	--	Dry
B-1	8/24/2017	--	--	--	--	--	Dry
B-1	3/9/2018	--	--	--	--	--	Dry
B-1	9/11/2018	--	--	--	--	--	Dry
B-1	11/5/2019	--	--	--	--	--	Dry
B-1	6/3/2020	--	--	--	--	--	Dry

Table 1
Groundwater Gauging Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

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
B-1	11/9/2020	--	--	--	--	--	Dry
B-5	9/22/1998	--	--	--	--	--	Dry
B-5	9/28/1999	--	--	--	--	--	Dry
B-5	3/24/2000	--	--	--	--	--	Dry
B-5	9/27/2000	--	--	--	--	--	Dry
B-5	3/22/2001	--	--	--	--	--	Dry
B-5	9/14/2001	--	--	--	--	--	Dry
B-5	2/20/2002	--	--	--	--	--	Dry
B-5	2/28/2003	--	--	--	--	--	Dry
B-5	3/11/2004	--	--	--	--	--	Dry
B-5	3/3/2005	--	--	--	--	--	Dry
B-5	6/9/2005	--	--	--	--	--	Dry
B-5	9/12/2005	--	--	--	--	--	Dry
B-5	11/9/2005	--	--	--	--	--	Dry
B-5	3/3/2006	--	--	--	--	--	Dry
B-5	7/26/2006	--	--	--	--	--	Dry
B-5	11/16/2012	--	--	--	--	--	Dry
B-5	9/29/2016	--	--	--	--	--	NG
B-5	12/13/2016	--	--	--	--	--	Dry
B-5	3/2/2017	--	--	--	--	--	Dry
B-5	8/24/2017	--	--	--	--	--	Dry
B-5	3/9/2018	--	--	--	--	--	Dry
B-5	9/11/2018	--	--	--	--	--	Dry
B-5	11/5/2019	--	--	--	--	--	Dry
B-5	6/3/2020	--	--	--	--	--	Dry
B-5	11/9/2020	--	--	--	--	--	Dry
IW-1	5/1/2019	254.14	6.65	NP	--	247.49	--
IW-1	11/5/2019	254.14	8.60	NP	--	245.54	--
IW-1	12/3/2019	254.14	8.62	NP	--	245.52	--
IW-1	6/3/2020	254.14	6.40	NP	--	247.74	--
IW-1	9/25/2020	254.14	8.70	NP	--	245.44	--
IW-1	11/9/2020	254.14	7.39	NP	--	246.75	--

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
Well casing elevation was resurveyed on 5/27/14 by Saez Consulting Engineers using the offsite vertical datum from WSDOT BM 17099-211,

NAVD 88 el: 251.20 (ft), located on the West side of Hwy 99/Aurora 25' South on int. N85th St.

Table 2
Groundwater Analytical Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**800**	**15**	**15**
Well ID	Date										
MW-1	5/25/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 2.0	--
MW-1	11/17/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	3.1	--
MW-1	2/15/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--
MW-1	5/7/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--
MW-1	8/23/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--
MW-1	11/11/1996	< 0.5	0.633	< 0.5	< 1.0	--	--	--	< 50	< 2.0	--
MW-1	3/17/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 2.0	--
MW-1	8/21/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 2.0
MW-1	3/12/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 1.0
MW-1	9/22/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 1.0
MW-1	3/31/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	< 1.00
MW-1	9/28/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	< 1.00
MW-1	3/24/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--
MW-1	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--
MW-1	3/22/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-1	9/14/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-1	2/20/2002	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-1	2/28/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-1	3/11/2004	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-1	3/3/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	--	--
MW-1	6/9/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	--	--
MW-1	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 50.0	--	--
MW-1	11/9/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-1	3/3/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-1	7/26/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-1	4/13/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 1.00	< 1.00
MW-1	10/23/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	< 2.00	< 2.00
MW-1	6/4/2010	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 2.00	< 2.00
MW-1	10/20/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-1	4/15/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 2.0	< 2.0

Table 2
Groundwater Analytical Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**800**	**15**	**15**
MW-1	11/22/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 10.0	< 10.0
MW-1	4/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 10.0	< 10.0
MW-1	11/16/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 3.0	< 3.0
MW-1	5/31/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	13.8	< 10.0
MW-1	9/17/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50 Y	< 10	< 10
MW-1	11/1/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 10	< 10
MW-1	5/27/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 10	0.37 J	< 0.17
MW-1	8/18/2014	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	< 10	< 0.17	< 0.17
MW-1	11/3/2014	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-1	2/3/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	55 JB	0.20 J	0.28 J
MW-1	8/26/2015	< 0.42	< 0.44	< 0.51	< 0.50	< 0.17	--	--	< 27	< 0.17	< 0.17
MW-1	12/10/2015	< 0.42	< 0.44	< 0.51	< 0.50	< 0.17	--	--	< 27	< 0.17	< 0.17
MW-1	3/17/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 2000	< 2000
MW-1	6/3/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	**350**	< 2000
MW-1	9/29/2016	< 2.0 *	< 2.0 *	< 3.0 *	< 3.0	< 1.0	--	--	< 50	0.74 J	< 2.0
MW-1	12/13/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-1	3/2/2017	< 2.0 *	< 2.0	< 3.0 *	< 3.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-1	8/24/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-1	3/9/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-1	9/11/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-1	5/1/2019	< 3.0	< 2.0	< 3.0 *	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-1	11/5/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-1	6/3/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-1	11/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-2	5/25/1995	**5,000**	**1,300**	**870**	**3,300**	--	--	--	**17,000**	3.5	--
MW-2	11/17/1995	**150**	< 0.5	26	72	--	--	--	450	< 2.0	--
MW-2	2/15/1996	**3,200**	650	590	**2,400**	--	--	--	**13,000**	--	--
MW-2	5/7/1996	**1,410**	186	259	794	--	--	--	**5,080**	--	--
MW-2	8/23/1996	**642**	0.590	105	42.2	--	--	--	621	--	--
MW-2	11/11/1996	0.781	0.648	< 0.5	< 1.0	--	--	--	< 50	< 2.0	--

Table 2
Groundwater Analytical Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**800**	**15**	**15**
MW-2	3/17/1997	**6.14**	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 2.0	--
MW-2	8/21/1997	**47.2**	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 2.0
MW-2	3/12/1998	**6.81**	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 1.0
MW-2	9/22/1998	2.33	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 1.0
MW-2	3/31/1999	**154**	< 2.50	19.2	16.4	--	--	--	< 250	--	< 1.0
MW-2	9/28/1999	**759**	0.692	45.4	< 1.00	--	--	--	458	--	< 1.00
MW-2	3/24/2000	0.645	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--
MW-2	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--
MW-2	3/22/2001	**44.5**	< 0.500	1.16	4.12	< 5.00	--	--	< 50.0	--	--
MW-2	9/14/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 5.00	--	--	< 50.0	--	--
MW-2	2/20/2002	**29.4**	< 0.500	< 0.500	< 1.00	< 5.00	--	--	63.8	--	--
MW-2	2/28/2003	2.25	< 0.500	< 0.500	< 1.00	< 1.00	--	--	80.6	--	--
MW-2	3/11/2004	2.05	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-2	3/3/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	--	--
MW-2	6/9/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	--	--
MW-2	9/12/2005	2.05	< 0.500	< 0.500	< 1.00	2.38	--	--	< 50.0	--	--
MW-2	11/9/2005	3.74	< 0.500	< 0.500	< 1.00	2.03	--	--	< 50.0	--	--
MW-2	3/3/2006	**7.69**	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-2	7/26/2006	**656**	21.6	256	203	< 20.0	--	--	**3,490**	--	--
MW-2	10/24/2006	**9.3**	< 1.00	1.18	< 3.00	2.88	< 0.010	< 1.00	121	--	--
MW-2	3/7/2007	**2,820**	339	**1,080**	**2,260**	--	--	--	**18,400**	--	--
MW-2	4/12/2007	**2,180**	180	**741**	**1,340**	--	< 0.010	< 50.0	**14,500**	--	--
MW-2	4/10/2008	2.61	< 0.500	< 0.500	< 3.00	< 5.00	--	--	< 50.0	--	--
MW-2	10/7/2008	**91.4**	< 0.500	47.2	< 3.00	--	--	--	733	--	--
MW-2	4/13/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 1.00	< 1.00
MW-2	10/23/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	95	< 2.00	< 2.00
MW-2	6/4/2010	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 2.00	< 2.00
MW-2	10/20/2010	**18**	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-2	4/15/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-2	11/22/2011	**69.3**	2.0	26.9	6.4	< 1.0	--	--	405	< 10.0	< 10.0
MW-2	4/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 10.0	< 10.0

Table 2
Groundwater Analytical Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**800**	**15**	**15**
MW-2	11/16/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 3.0	< 3.0
MW-2	5/31/2013	**35**	2.8	72	114	< 0.50	--	--	450	< 10.0	< 10.0
MW-2	9/17/2013	**160 D**	2.7	140 D	24	0.92	--	--	**970**	< 10	< 10
MW-2	11/1/2013	**53**	3.7	42	34	< 0.50	--	--	470 Y	< 10	< 10
MW-2	5/27/2014	**120**	3	180	290	< 0.17	--	--	**2,000 B**	< 0.17	< 0.17
MW-2	8/18/2014	**140**	5	140	260	0.61 J	--	--	**2,500**	< 0.17	< 0.17
MW-2	11/3/2014	0.46 J	0.32 JB	0.90 J	4.9 B	< 1.0	--	--	81 B	< 2.0	< 2.0
MW-2	2/3/2015	**34**	0.36 J	39	74	< 0.17	--	--	770 B	< 0.17	< 0.17
MW-2	8/26/2015	**55**	< 0.44	29	3	< 0.17	--	--	500	< 0.17	< 0.17
MW-2	12/10/2015	2.4	< 0.44	6.3	20	< 0.17	--	--	320	< 0.17	< 0.17
MW-2	3/17/2016	**16**	0.15	12	30	< 1.0	--	--	310	< 2000	< 2000
MW-2	6/3/2016	**230**	0.45	36	17	< 1.0	--	--	580	< 2000	< 2000
MW-2	9/29/2016	**14**	< 2.0 *	0.67 J	< 3.0	< 1.0	--	--	100	0.20 J	< 2.0
MW-2	12/13/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-2	3/2/2017	< 2.0 *	< 2.0	< 3.0 *	< 3.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-2	8/24/2017	**150 H**	< 2.0	31	< 3.0	< 2.0	--	--	400	< 4.0	< 4.0
MW-2	3/9/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-2	9/11/2018	**110**	< 2.0	< 3.0	< 3.0	< 2.0	--	--	530	< 4.0	< 4.0
MW-2	5/1/2019	< 3.0	< 2.0	< 3.0 *	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-2	11/5/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-2	6/3/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-2	9/24/2020	**9.3**	< 2.0	16	15	< 2.0	--	--	320	< 4.0	< 4.0
MW-2	11/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-2	2/17/2021	< 3.0	< 2.0	33	9.3	< 2.0	--	--	370	< 10	< 10
MW-2	6/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 2.0	< 2.0
MW-2	8/18/2021	< 1.0	< 1.0	2.1	< 2.0	< 1.0	--	--	< 250	< 2.0	< 2.0
MW-2	11/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 2.0	< 2.0
MW-3	5/25/1995	< 0.5	1.0	< 0.5	< 1.0	--	--	--	< 50	3.9	--
MW-3	11/17/1995	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	12	--
MW-3	2/15/1996	**6.7**	1.0	0.79	2.9	--	--	--	< 50	--	--

Table 2
Groundwater Analytical Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

	CONSTITUENT	B	T	E	X	MTBE	EDB	EDC	TPH-G	Total Lead	Dissolved Lead
	UNIT	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**800**	**15**	**15**
MW-3	5/7/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--
MW-3	8/23/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	--
MW-3	11/11/1996	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 2.0	--
MW-3	3/17/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	< 2.0	--
MW-3	8/21/1997	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 2.0
MW-3	3/12/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 1.0
MW-3	9/22/1998	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	< 50	--	< 1.0
MW-3	3/31/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	< 1.00
MW-3	9/28/1999	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	< 1.00
MW-3	3/24/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--
MW-3	9/27/2000	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	< 50.0	--	--
MW-3	3/22/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	9/14/2001	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	2/20/2002	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	2/28/2003	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	3/11/2004	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	3/3/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	--	--
MW-3	6/9/2005	< 0.200	< 0.500	< 0.500	< 1.00	< 2.00	--	--	< 80.0	--	--
MW-3	9/12/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	11/9/2005	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	3/3/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	7/26/2006	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	--	--
MW-3	4/13/2009	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 1.00	< 1.00
MW-3	10/23/2009	< 1.00	< 1.00	< 1.00	< 2.00	< 1.00	--	--	< 50.0	4.4	< 2.00
MW-3	6/4/2010	< 0.500	< 0.500	< 0.500	< 1.00	< 1.00	--	--	< 50.0	< 2.00	< 2.00
MW-3	10/20/2010	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	2.1	< 2.0
MW-3	4/15/2011	< 0.50	< 0.50	< 0.50	< 1.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-3	11/22/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 10.0	< 10.0
MW-3	4/19/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	10.6	< 10.0
MW-3	11/16/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 3.0	< 3.0
MW-3	5/31/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50.0	10.9	< 10.0

Table 2
Groundwater Analytical Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**800**	**15**	**15**
MW-3	9/17/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 10	< 10
MW-3	11/1/2013	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	--	--	< 50	< 10	< 10
MW-3	5/27/2014	< 0.14	< 0.16	0.24 J	0.36 J	< 0.17	--	--	13 JB	1.7 J	< 0.17
MW-3	8/18/2014	< 0.14	< 0.16	0.14 J	0.24 J	< 0.17	--	--	11 J	< 0.17	< 0.17
MW-3	11/3/2014	< 1.0	0.18 JB	< 1.0	< 3.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-3	2/3/2015	< 0.14	< 0.16	< 0.13	< 0.12	< 0.17	--	--	56 JB	0.17 J	< 0.17
MW-3	8/26/2015	< 0.42	< 0.44	< 0.51	< 0.50	< 0.17	--	--	< 27	< 0.17	< 0.17
MW-3	12/10/2015	< 0.42	< 0.44	< 0.51	< 0.50	< 0.17	--	--	< 27	< 0.17	< 0.17
MW-3	3/17/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	**1,000**	< 2000
MW-3	6/3/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	**1,400**	< 2000
MW-3	9/29/2016	< 2.0 *	< 2.0 *	< 3.0 *	< 3.0	< 1.0	--	--	< 50	0.96 J	< 2.0
MW-3	12/13/2016	< 2.0	< 2.0	< 3.0	< 3.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-3	3/2/2017	< 2.0 *	< 2.0	< 3.0 *	< 3.0	< 1.0	--	--	< 50	< 2.0	< 2.0
MW-3	8/24/2017	< 2.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-3	3/9/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-3	9/11/2018	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-3	5/1/2019	< 3.0	< 2.0	< 3.0 *	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-3	11/5/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-3	6/3/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-3	11/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-4	5/27/2014	**140**	6.9	**800**	230	< 0.17	--	--	**6,100 B**	< 0.17	< 0.17
MW-4	8/18/2014	**380**	7.6	**1,000**	100	< 0.85	--	--	**7,000**	< 0.17	< 0.17
MW-4	11/3/2014	**650**	21 B	**1,300**	200 B	< 1.0	--	--	**9,400 B**	< 2.0	< 2.0
MW-4	2/3/2015	**300**	7.8	**700**	33	< 0.17	--	--	**5,500 B**	< 0.17	< 0.17
MW-4	8/26/2015	**340 H**	6.8	270 H	38	< 0.17	--	--	**4,000**	< 0.17	0.40 J
MW-4	12/10/2015	**510**	7.6	110	13	< 0.17	--	--	**3,300**	< 0.17	< 0.17
MW-4	3/17/2016	**58**	2	79	7.4	< 1.0	--	--	**2,500**	< 2000	< 2000
MW-4	6/3/2016	**140**	2.7	220	88	< 1.0	--	--	**2,800**	< 2000	< 2000
MW-4	9/29/2016	**340**	4.8	52	6.5	< 1.0	--	--	**2,800**	< 2.0	0.26 JB
MW-4	12/13/2016	**170**	4.0	42	5.3	< 1.0	--	--	**3,000**	< 2.0	< 2.0

Table 2
Groundwater Analytical Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

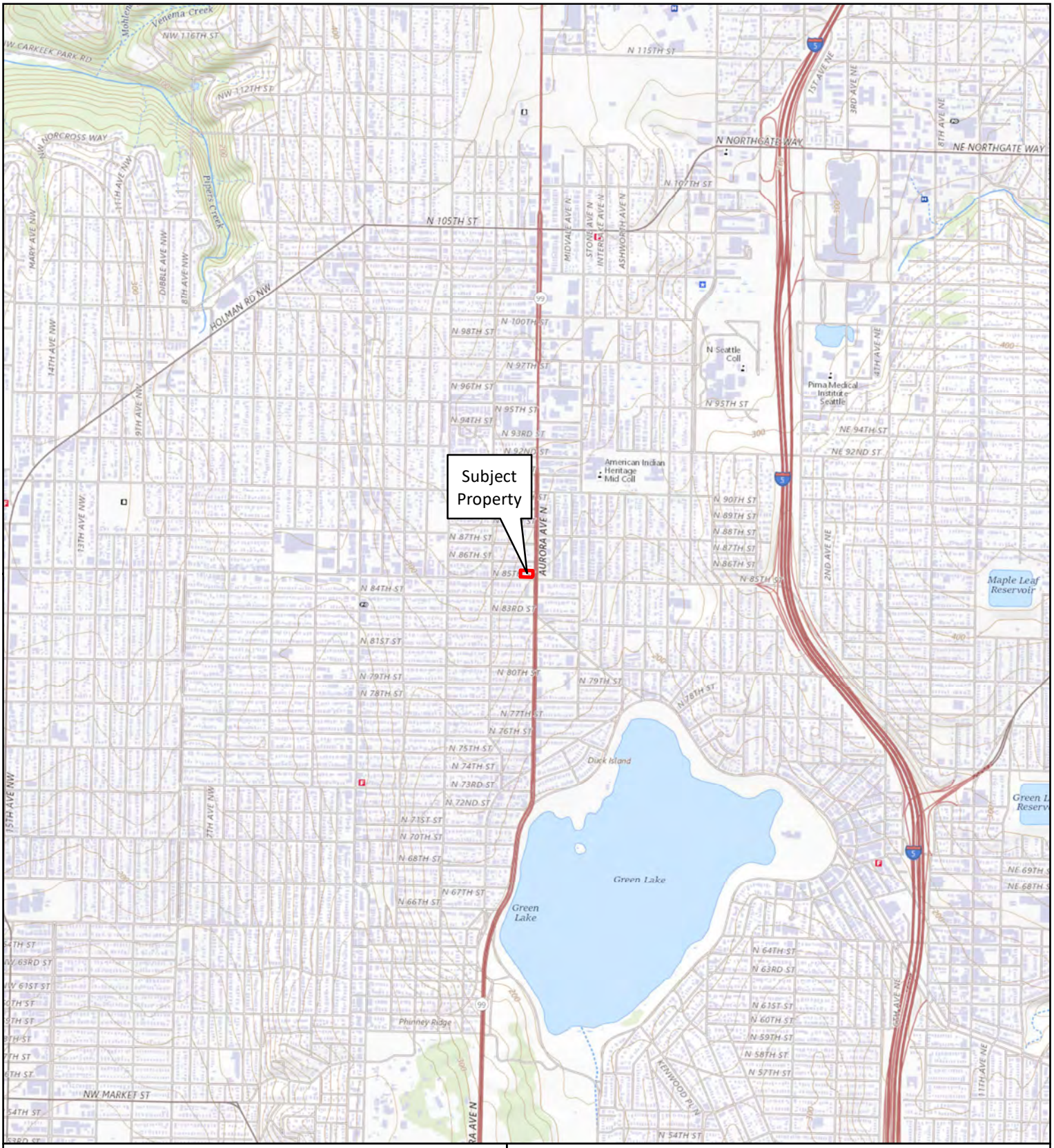
CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**800**	**15**	**15**
MW-4	3/2/2017	**51**	< 2.0	34	3.0	< 1.0	--	--	**2,500**	< 2.0	< 2.0
MW-4	8/24/2017	**140 H**	2.0	32	31	< 2.0	--	--	**2,400**	< 4.0	< 4.0
MW-4	3/9/2018	**59**	< 2.0	25	8.2	< 2.0	--	--	**2,200**	< 4.0	< 4.0
MW-4	9/11/2018	**170**	3.1	31	22	< 2.0	--	--	**3,600**	< 4.0	< 4.0
MW-4	5/1/2019	**59**	3.4	28 *	39	< 2.0	--	--	**1,800**	< 4.0	< 4.0
MW-4	11/5/2019	**140**	< 2.0	20	< 3.0	< 2.0	--	--	**3,300**	< 4.0	< 4.0
MW-4	6/3/2020	**1,600**	34	120	740	< 2.0	--	--	**6,200**	< 4.0	< 4.0
MW-4	9/24/2020	**370**	3.7	22	3.2	< 2.0	--	--	**3,100**	< 4.0	< 4.0
MW-4	11/9/2020	**360**	2.9	24	4.5	< 2.0	--	--	**4,000**	< 4.0	< 4.0
MW-4	2/17/2021	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 10	< 10
MW-4	6/8/2021	**54**	1.2	8.1	16	< 1.0	--	--	**1,500**	< 2.0	< 2.0
MW-4	8/18/2021	**75**	2.2	17	2.8	< 1.0	--	--	**2,100**	< 2.0	< 2.0
MW-4	11/8/2021	**53**	< 1.0	5.0	< 2.0	< 1.0	--	--	**1,000**	< 2.0	< 2.0
MW-4	2/4/2022	3.2	< 1.0	< 1.0	< 2.0	< 1.0	--	--	360	< 2.0	< 2.0
MW-5	5/1/2019	< 3.0	< 2.0	< 3.0 *	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-5	11/5/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-5	6/3/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-5	9/24/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-5	11/9/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-6	5/1/2019	< 3.0	37	< 1500	**3,200**	< 2.0	--	--	**34,000**	< 4.0	< 4.0
MW-6	11/5/2019	**6.6**	65	**1,100**	**1,400**	< 2.0	--	--	**34,000**	< 4.0	< 4.0
MW-6	6/3/2020	< 3.0	4.2	280	**1,000**	< 2.0	--	--	**15,000**	< 4.0	< 4.0
MW-6	9/24/2020	3.2	280	**830**	**3,900**	< 2.0	--	--	**19,000**	< 4.0	< 4.0
MW-6	11/9/2020	< 3.0	< 2.0	< 3.0	--	--	--	--	< 250	--	--
MW-6	11/9/2020	< 3.0	< 2.0	< 3.0	55	< 2.0	--	--	450	< 4.0	< 4.0
MW-6	2/17/2021	< 3.0	< 2.0	< 3.0	11	< 2.0	--	--	< 250	< 10	< 10
MW-6	6/8/2021	< 1.0	< 1.0	1.6	3.1	< 1.0	--	--	< 250	< 2.0	< 2.0
MW-6	8/18/2021	< 1.0	< 1.0	1.5	< 2.0	< 1.0	--	--	< 250	< 2.0	0.68
MW-6	11/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 2.0	< 2.0

Table 2
Groundwater Analytical Data
ARCO Facility No. 6209
950 N. 85th Street Seattle, Washington 98103

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	Total Lead ug/L	Dissolved Lead ug/L
MTCA METHOD A CLEANUP LEVELS		**5**	**1000**	**700**	**1000**	**20**	**0.01**	**5**	**800**	**15**	**15**
MW-7	5/1/2019	< 3.0 *	< 2.0 *	< 3.0 *	< 3.0 *	< 2.0 *	--	--	< 250	< 4.0	< 4.0
MW-7	11/5/2019	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-7	6/3/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 4.0	< 4.0
MW-7	11/9/2020	< 3.0	< 2.0	< 3.0	< 3.0 *	< 2.0	--	--	< 250	< 4.0	< 4.0
TEMP-1	4/16/2019	< 3.0	< 2.0	< 3.0	< 3.0	--	--	--	< 250	< 4.0	--

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
1,000/800[1] ug/L if no detectable levels of Benzene in the sample - otherwise 800 ug/L
<1.0 = Concentrations were not detected above the laboratory method reporting limit.
ug/L = Micrograms per liter (ppb)
-- = No value given/Not analyzed/Not applicable
MTCA = Model Toxics Control Act
Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels
* = LCS or LCSD is outside acceptance limits.
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B = Compound was found in the blank and sample.
H = Sample was prepped or analyzed beyond the specified holding time.
Y = The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
D = The reported result is from a dilution.

Figures



USGS 7.5-minute
Topographic Series
Seattle North, Washington

N

0 500 1,000 2,000 3,000 4,000
Feet

FIGURE 1
SITE LOCATION MAP

ARCO FACILITY NO. 6209
950 N. 85TH STREET
SEATTLE, WASHINGTON

PROJECT NO.	PREPARED BY	REF SCALE
WA-006209 SEATTLE	HMF	1:24,000
DATE	REVIEWED BY	MAP SCALE
7/1/2022	DK	1 INCH = 2,000 FEET

anteagroup

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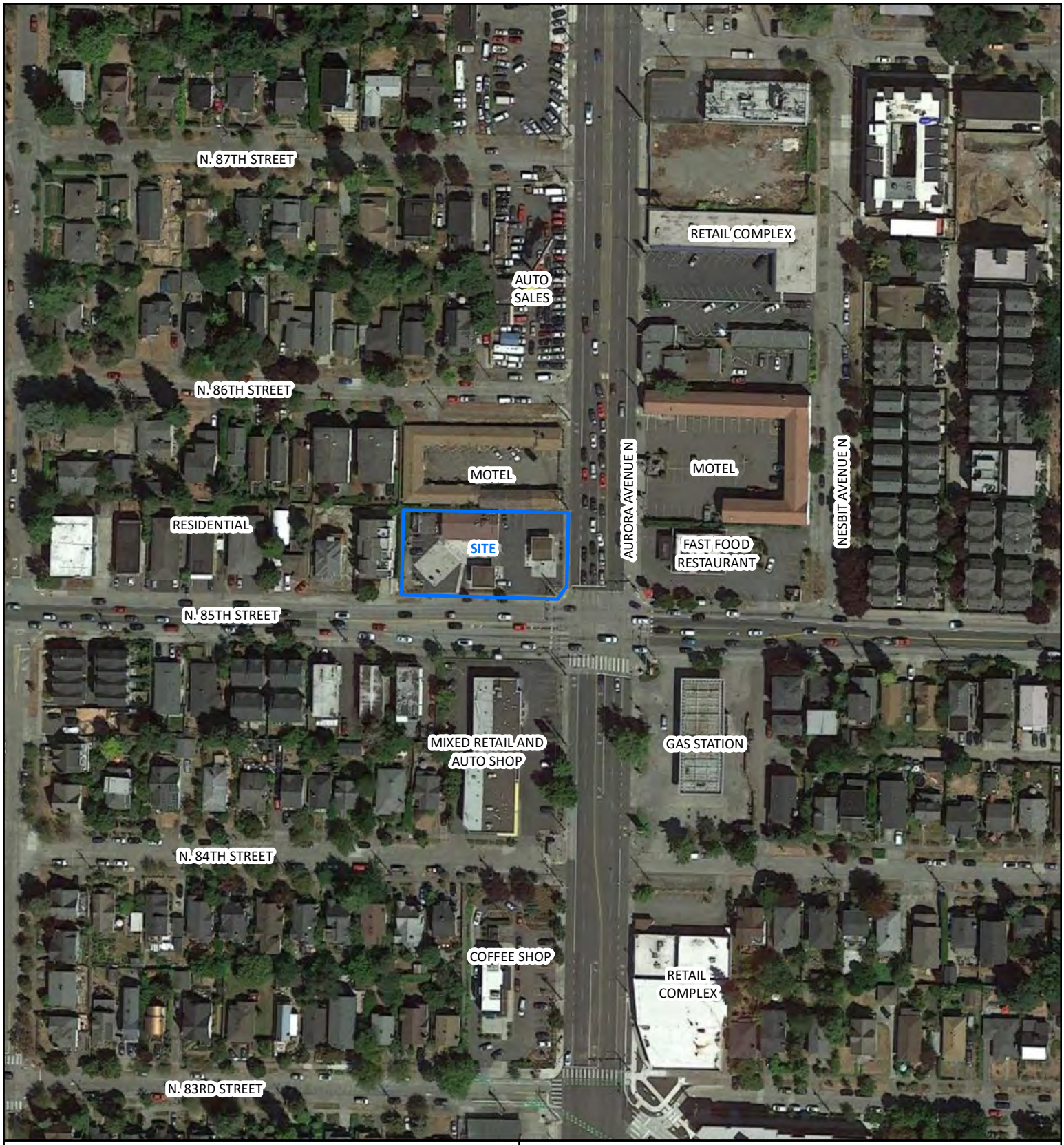

Legend

Subject Property Boundary

N

0 37.5 75 150 225 300 Feet

FIGURE 2
SITE AERIAL MAP

ARCO FACILITY NO. 6209
950 N. 85TH STREET
SEATTLE, WASHINGTON

PROJECT NO.	PREPARED BY	REF SCALE	
WA-006209 Seattle	*JLH/HMF*	*1:1,800*	
DATE	REVIEWED BY	MAP SCALE	
7/1/2022	*DK*	*1 INCH = 150 FEET*	

antea group

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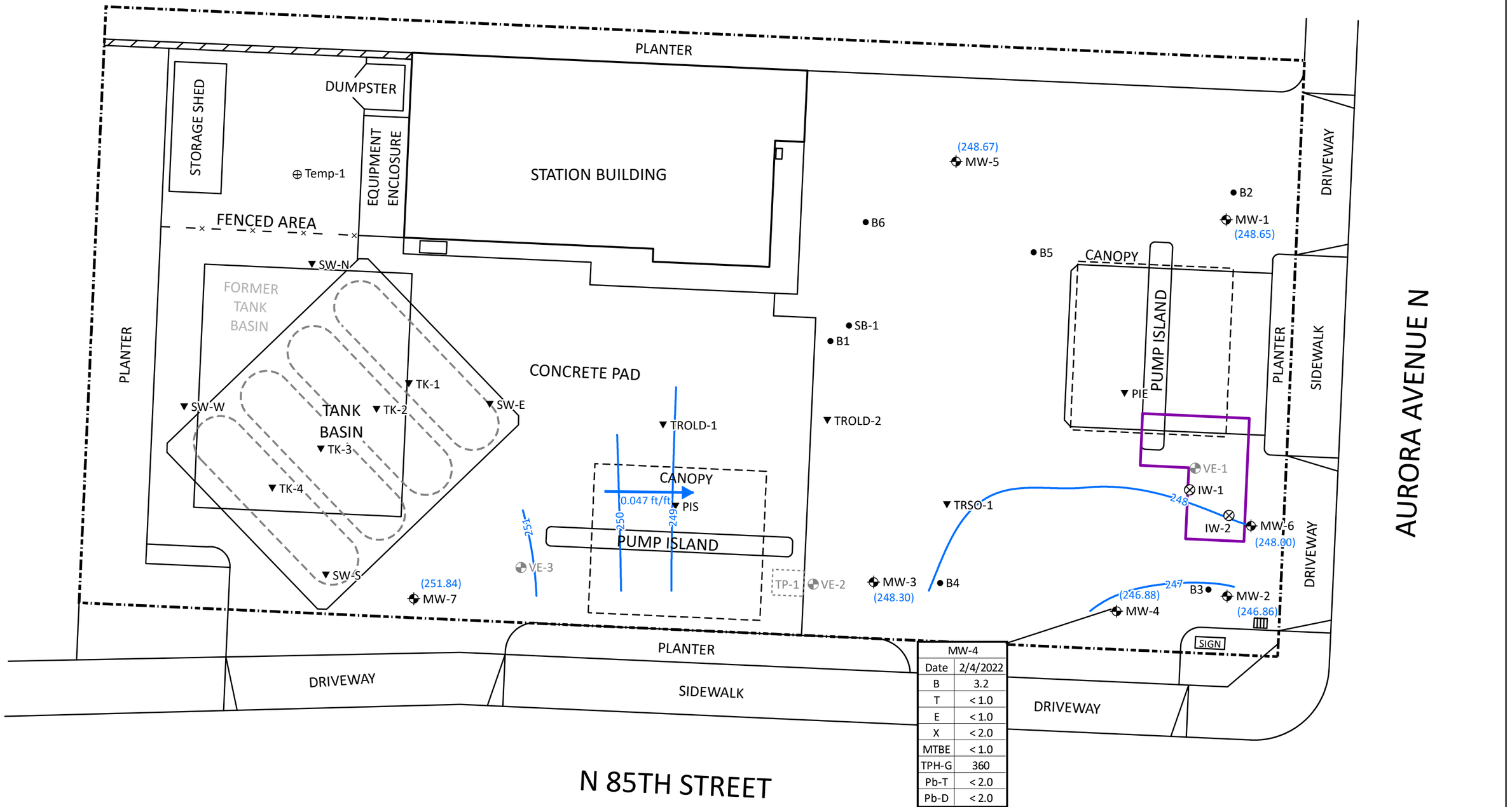

MW-4	
Date	2/4/2022
B	3.2
T	< 1.0
E	< 1.0
X	< 2.0
MTBE	< 1.0
TPH-G	360
Pb-T	< 2.0
Pb-D	< 2.0

Legend

- Soil Boring Location
- Monitoring Well Location
- Temporary Well Location
- Injection Well Location
- Soil Sample Location
- Abandoned Bioventing Well Location
- Property Boundary
- Building
- Site Feature
- Canopy
- Fence
- Underground Storage Tank
- 2017 Excavation
- Test Pit
- Groundwater Elevation Contour (ft)
- Inferred Groundwater Flow Direction
- (251.84) Groundwater Elevation (ft)
- Hydraulic Gradient is East
- 0.047 ft/ft Approximate Hydraulic Gradient (feet/foot)

Notes:
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total Xylenes
MTBE = Methyl Tertiary Butyl Ether
TPH-G = Total Petroleum Hydrocarbons as Gasoline
Pb-T = Total Lead
Pb-D = Dissolved Lead
< = less than laboratory indicated reporting limits

0 5 10 15 30 45 60 Feet

N

FIGURE 3
GROUNDWATER ANALYTICAL AND ELEVATION CONTOUR MAP - 2/4/2022
ARCO FACILITY NO. 6209
950 N. 85TH STREET
SEATTLE, WA

PROJECT NO.	PREPARED BY	REF SCALE
WA - 06209 Seattle	*HMF*	*1:180*
DATE	REVIEWED BY	MAP SCALE
7/29/2022	*TR*	*1 INCH = 15 FEET*

anteagroup

C:\Users\georgiap\Antea USA, Inc\NCGH-Digital Solutions2021 - Geospatial - private - Geospatial - private\!TEMP GIS Files\BP\BP_WA\6209 Seattle\Layout\BP6209_GW_Contour1Q22.mxd

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 580-110151-1
Client Project/Site: BP - ARCO 6209
Sampling Event: ARCO 6209

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

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
2/21/2022 6:07:00 PM

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

Table of Contents

Definitions/Glossary

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

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

Case Narrative

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

Job ID: 580-110151-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative
580-110151-1

Receipt
One sample was received on 2/9/2022 12:20 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.6º C.

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

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

Detection Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

Client Sample ID: MW-4_20220204

Lab Sample ID: 580-110151-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.2		1.0		ug/L	1		8260D	Total/NA
Gasoline	0.36		0.050		mg/L	1		NWTPH-Gx	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

Client Sample ID: MW-4_20220204

Date Collected: 02/04/22 12:00
Date Received: 02/09/22 11:35

Lab Sample ID: 580-110151-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		1.0		ug/L			02/17/22 02:21	1
Benzene	**3.2**		1.0		ug/L			02/17/22 02:21	1
Toluene	ND		1.0		ug/L			02/17/22 02:21	1
Ethylbenzene	ND		1.0		ug/L			02/17/22 02:21	1
m-Xylene & p-Xylene	ND		2.0		ug/L			02/17/22 02:21	1
o-Xylene	ND		1.0		ug/L			02/17/22 02:21	1
Xylenes, Total	ND		2.0		ug/L			02/17/22 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/17/22 02:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*02/17/22 02:21*	*1*
4-Bromofluorobenzene (Surr)	*113*		*80 - 120*		*02/17/22 02:21*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*02/17/22 02:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**0.36**		0.050		mg/L			02/17/22 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*77 - 123*		*02/17/22 13:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		02/15/22 18:47	02/16/22 11:11	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0		ug/L		02/11/22 20:35	02/15/22 12:22	5

Surrogate Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
580-110151-1	MW-4_20220204	101	102	113	114
LCS 580-381425/6	Lab Control Sample	101	101	109	110
LCSD 580-381425/7	Lab Control Sample Dup	102	101	108	111
MB 580-381425/5	Method Blank	89	105	107	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)
		BFB
Lab Sample ID	Client Sample ID	(77-123)
580-110151-1	MW-4_20220204	89
LCS 580-381503/5	Lab Control Sample	93
LCSD 580-381503/6	Lab Control Sample Dup	96
MB 580-381503/4	Method Blank	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 580-381425/5
Matrix: Water
Analysis Batch: 381425

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			02/16/22 23:55	1
Benzene	ND		1.0		ug/L			02/16/22 23:55	1
Toluene	ND		1.0		ug/L			02/16/22 23:55	1
Ethylbenzene	ND		1.0		ug/L			02/16/22 23:55	1
m-Xylene & p-Xylene	ND		2.0		ug/L			02/16/22 23:55	1
o-Xylene	ND		1.0		ug/L			02/16/22 23:55	1
Xylenes, Total	ND		2.0		ug/L			02/16/22 23:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*02/16/22 23:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*02/16/22 23:55*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*02/16/22 23:55*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*02/16/22 23:55*	*1*

Lab Sample ID: LCS 580-381425/6
Matrix: Water
Analysis Batch: 381425

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl tert-butyl ether			10.0	10.6		ug/L		106	72 - 120		
Benzene			10.0	9.98		ug/L		100	80 - 122		
Toluene			10.0	10.2		ug/L		102	80 - 120		
Ethylbenzene			10.0	10.9		ug/L		109	80 - 120		
m-Xylene & p-Xylene			10.0	11.0		ug/L		110	80 - 120		
o-Xylene			10.0	11.1		ug/L		111	80 - 120		
Xylenes, Total			20.0	22.1		ug/L		111	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*80 - 120*
Dibromofluoromethane (Surr)	*110*		*80 - 120*

Lab Sample ID: LCSD 580-381425/7
Matrix: Water
Analysis Batch: 381425

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			10.0	10.6		ug/L		106	72 - 120	0	18
Benzene			10.0	9.76		ug/L		98	80 - 122	2	14
Toluene			10.0	9.96		ug/L		100	80 - 120	3	13
Ethylbenzene			10.0	10.8		ug/L		108	80 - 120	1	14
m-Xylene & p-Xylene			10.0	11.0		ug/L		110	80 - 120	0	14
o-Xylene			10.0	11.0		ug/L		110	80 - 120	1	16
Xylenes, Total			20.0	22.0		ug/L		110	80 - 120	0	16

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

Lab Sample ID: LCSD 580-381425/7
Matrix: Water
Analysis Batch: 381425

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 120*

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

Lab Sample ID: MB 580-381503/4
Matrix: Water
Analysis Batch: 381503

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			02/17/22 12:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*88*		*77 - 123*		*02/17/22 12:22*	*1*

Lab Sample ID: LCS 580-381503/5
Matrix: Water
Analysis Batch: 381503

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	0.988		mg/L		99	55 - 148		

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

Lab Sample ID: LCSD 580-381503/6
Matrix: Water
Analysis Batch: 381503

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	1.00		mg/L		100	55 - 148	1	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*96*		*77 - 123*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-381309/11-A
Matrix: Water
Analysis Batch: 381412

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 381309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.40		ug/L		02/15/22 18:47	02/16/22 11:03	1

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

Lab Sample ID: LCS 580-381309/12-A
Matrix: Water
Analysis Batch: 381412

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 381309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	1010		ug/L		101	80 - 120

Lab Sample ID: LCSD 580-381309/13-A
Matrix: Water
Analysis Batch: 381412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 381309

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

Lab Sample ID: MB 580-380903/7-B
Matrix: Water
Analysis Batch: 381333

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 381060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.40		ug/L		02/11/22 20:35	02/15/22 11:28	1

Lab Sample ID: LCS 580-380903/8-B
Matrix: Water
Analysis Batch: 381333

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 381060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	980		ug/L		98	80 - 120

Lab Sample ID: LCSD 580-380903/9-B
Matrix: Water
Analysis Batch: 381333

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 381060

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	974		ug/L		97	80 - 120	1	20

QC Association Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

GC/MS VOA

Analysis Batch: 381425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110151-1	MW-4_20220204	Total/NA	Water	8260D	
MB 580-381425/5	Method Blank	Total/NA	Water	8260D	
LCS 580-381425/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-381425/7	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 381503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110151-1	MW-4_20220204	Total/NA	Water	NWTPH-Gx	
MB 580-381503/4	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-381503/5	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-381503/6	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Metals

Filtration Batch: 380903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110151-1	MW-4_20220204	Dissolved	Water	FILTRATION	
MB 580-380903/7-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-380903/8-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-380903/9-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Prep Batch: 381060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110151-1	MW-4_20220204	Dissolved	Water	3005A	380903
MB 580-380903/7-B	Method Blank	Dissolved	Water	3005A	380903
LCS 580-380903/8-B	Lab Control Sample	Dissolved	Water	3005A	380903
LCSD 580-380903/9-B	Lab Control Sample Dup	Dissolved	Water	3005A	380903

Prep Batch: 381309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110151-1	MW-4_20220204	Total Recoverable	Water	3005A	
MB 580-381309/11-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-381309/12-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-381309/13-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 381333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110151-1	MW-4_20220204	Dissolved	Water	6020B	381060
MB 580-380903/7-B	Method Blank	Dissolved	Water	6020B	381060
LCS 580-380903/8-B	Lab Control Sample	Dissolved	Water	6020B	381060
LCSD 580-380903/9-B	Lab Control Sample Dup	Dissolved	Water	6020B	381060

Analysis Batch: 381412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110151-1	MW-4_20220204	Total Recoverable	Water	6020B	381309
MB 580-381309/11-A	Method Blank	Total Recoverable	Water	6020B	381309
LCS 580-381309/12-A	Lab Control Sample	Total Recoverable	Water	6020B	381309
LCSD 580-381309/13-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	381309

Lab Chronicle

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

Client Sample ID: MW-4_20220204

Date Collected: 02/04/22 12:00
Date Received: 02/09/22 11:35

Lab Sample ID: 580-110151-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	381425	02/17/22 02:21	B1M	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	381503	02/17/22 13:57	B1M	FGS SEA
Dissolved	Filtration	FILTRATION			380903	02/10/22 12:39	ABP	FGS SEA
Dissolved	Prep	3005A			381060	02/11/22 20:35	TMH	FGS SEA
Dissolved	Analysis	6020B		5	381333	02/15/22 12:22	FCW	FGS SEA
Total Recoverable	Prep	3005A			381309	02/15/22 18:47	ABP	FGS SEA
Total Recoverable	Analysis	6020B		5	381412	02/16/22 11:11	FCW	FGS SEA

Laboratory References:

FGS 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 6209

Job ID: 580-110151-1

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-22

Method Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	FGS SEA
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	FGS SEA
6020B	Metals (ICP/MS)	SW846	FGS SEA
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	FGS SEA
5030B	Purge and Trap	SW846	FGS SEA
FILTRATION	Sample Filtration	None	FGS SEA

Protocol References:

None = None

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

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

Sample Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 6209

Job ID: 580-110151-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-110151-1	MW-4_20220204	Water	02/04/22 12:00	02/09/22 11:35

bp rm

Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 1 of 1

BP Site Node Path: ARCO 6209 | Req Due Date (mm/dd/yy): Standard TAT | Rush TAT Yes ____ No X

BP/RM Facility No: ARCO Facility No. 6209 | Lab Work Order Number: 00697-0002/WR1027162

Lab Name:	Test America, Inc.	BP/ARC Facility Address:	950 North 85th Street	Consultant/Contractor:	Antea Group
Lab Address:	5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code:	Seattle, WA	Consultant/Contractor Project No:	WA - 06209, Groundwater Monitoring
Antea Project M	Elaine Walker	WR329962/009VD-0006	Washington State Department of Ecology	Address:	4006 148th Ave NE, Redmond, WA 98052
Lab Phone:		California Global ID No.:	NA	Consultant/Contractor PM:	Taylor Roberts
Lab Shipping Accnt:		Enfos Proposal No:	009VD-0012/WR850663	Phone: 425-498-7712	Email: taylor.roberts@anteagroup.us
Lab Bottle Order No:		Accounting Mode: Provision __X__	OOC-BU _____ OOC-RM _____	Send/Submit EDD to:	taylor.roberts@anteagroup.us
Other Info:	elaine.walker@eurofinset.com	Stage 1_Appraise (10)	Activity Assessment: Field Work/RI (106)	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 8260B	MTBE by EPA 8260B	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6010	Pb-D by EPA 6010	Total Pb, Fe, Mn by EPA 6000/7000	Dissolved Pb, Fe, Mn by EPA 6000/7000	Nitrate, nitrite, sulfate by EPA 300.0	COD by EPA 410.4	Alkalinity by EPA 310.1	TDS by SM2540	Comments
	~~MW-2~~			W				G					X	X	X		X	X							SH
	MW-4_20220204	2/4/2022	1200	W				G	8				X	X	X		X	X							
	~~MW-6~~			W				G					X	X	X		X	X							SH
	~~Trip Blank~~			W				G					X	X	X		X	X							SH
																									SH
																									SH
																									SH

Sampler's Name: Jeff Karambelas, Sam Hintze

Sampler's Company: Antea Group

Ship Method: Courier | Ship Date: 2/9/2022

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature] / Antea	2/9/22	1135	[signature]	2/9/22	1135

@lab 1220

Special Instructions:

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

IR9 -0.6/-0.1

4 G Wet/Bub W/ICs

BP LaMP Soil/H2O COC July 2018

580-110151 Chain of Custody

2/21/2022

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-110151-1

Login Number: 110151
List Number: 1
Creator: Vallelunga, Diana L

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.	N/A	
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.: 580-110151-1

SDG No.:

Batch Number: 381425 Batch Start Date: 02/16/22 22:40 Batch Analyst: Mautz, Brady 1

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00077	VOASTDGASweek 00087
MB 580-381425/5		8260D		5 mL	5 mL		1 uL		
LCS 580-381425/6		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
LCSD 580-381425/7		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
580-110151-A-1	MW-4_20220204	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	
pH Indicator ID	6007004
Vial Lot Number	0128701G

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.: 580-110151-1

SDG No.:

Batch Number: 381503 Batch Start Date: 02/17/22 11:34 Batch Analyst: Mautz, Brady 1

Batch Method: NWTPH-Gx Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	GRO_LCS 00073	
MB 580-381503/4		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-381503/5		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-381503/6		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-110151-B-1	MW-4_20220204	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	
pH Indicator ID	6007004
Vial Lot Number	0128701G

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.: 580-110151-1

SDG No.:

Batch Number: 380903 Batch Start Date: 02/10/22 12:39 Batch Analyst: Pineda, Abigail B

Batch Method: FILTRATION Batch End Date: 02/10/22 13:12

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-110151-H-1	MW-4_20220204	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
MB 580-380903/7		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCS 580-380903/8		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCSD 580-380903/9		FILTRATION, 3005A, 6020B		250 mL	250 mL				

Batch Notes	
Filter ID	1330812
Nitric Acid ID	3040740

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.: 580-110151-1

SDG No.:

Batch Number: 381060 Batch Start Date: 02/11/22 20:35 Batch Analyst: Hua, Tammy M

Batch Method: 3005A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00017	ICP CAL 2 00015	MET Spike 3C 00035	
580-110151-H-1-A	MW-4_20220204	3005A, 6020B	D	50 mL	50 mL				
MB 580-380903/7-A		3005A, 6020B		50 mL	50 mL				
LCS 580-380903/8-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-380903/9-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
pH Indicator ID	pH strip
Digestion Tube/Cup ID	3041912
Pipette/Syringe/Dispenser ID	metals prep2
Analyst ID - Spike Analyst	TH
Sufficient Volume for Batch QC	yes
Hydrochloric Acid ID	3056510
Nitric Acid ID	3059236
Digestion Unit ID	BLOCK E
Thermometer ID	700396
Thermometer Location ID	E40
Temperature - Uncorrected - Start	93.0 Degrees C
Temperature - Corrected - Start	93.1 Degrees C
Digestion Start Time	02/14/2022 11:40
Digestion End Time	02/14/2022 15:40
Temperature - Uncorrected - End	93.0 Degrees C
Temperature - Corrected - End	93.1 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.: 580-110151-1

SDG No.:

Batch Number: 381309 Batch Start Date: 02/15/22 18:45 Batch Analyst: Pineda, Abigail B

Batch Method: 3005A Batch End Date: 02/16/22 00:12

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00016	ICP CAL 2 00014	MET Spike 3C 00035	
580-110151-G-1	MW-4_20220204	3005A, 6020B	R	50 mL	50 mL				
MB 580-381309/11		3005A, 6020B		50 mL	50 mL				
LCS 580-381309/12		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-381309/13		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
pH Indicator ID	pH strip
Digestion Tube/Cup ID	3041912
Pipette/Syringe/Dispenser ID	metals prep2
Analyst ID - Spike Analyst	AP
Sufficient Volume for Batch QC	yes
Hydrochloric Acid ID	3056510
Nitric Acid ID	3059236
Digestion Unit ID	BLOCK B
Thermometer ID	698320
Thermometer Location ID	B24
Temperature - Uncorrected - Start	93.0 Degrees C
Temperature - Corrected - Start	93.7 Degrees C
Digestion Start Time	02/15/2022 20:12
Digestion End Time	02/16/2022 00:12
Temperature - Uncorrected - End	93.0 Degrees C
Temperature - Corrected - End	93.7 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.