



Remediation Management Services Company

4 Centerpointe Drive, Suite 200
La Palma, CA 90623
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August 23, 2022

Washington Department of Ecology
Northwest Regional Office
Attn: Mr. Michael Warfel
15700 Dayton Avenue North
Shoreline, WA 98133

Dear Mr. Warfel:

Please find the enclosed Semi-Annual Groundwater Monitoring Report – First Half of 2022, that documents the results at Former BP Facility No. 11060 located at 4580 Fauntleroy Way SW, Seattle, Washington.

Sincerely yours,

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

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

cc: File, Antea Group



Semi-Annual Groundwater Monitoring Report

First Half of 2022
Former BP Facility No. 11060
4580 Fauntleroy Way SW, 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
August 23, 2022
Project # WA – 11060 Seattle

us.anteagroup.com

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Semi-Annual Groundwater Monitoring Report

First Half of 2022

Former BP Facility No. 11060

4580 Fauntleroy Way SW, Seattle, Washington

Former BP Facility No.	11060
Address	4580 Fauntleroy Way SW, Seattle, Washington
Atlantic Richfield Project Manager	Wade Melton, +1 360 594 7978
Consulting Co. /Contact Person	Antea Group / Lonnie Dent, +1 303 807 3627
Consultant Project Number	WA – 11060 Seattle
Ecology Facility Site ID No./VCP ID No.	Washington State Department of Ecology FSID # 99437681 / VCP # NW3308

WORK PERFORMED DURING FIRST HALF OF 2022

- Antea Group conducted remediation system operation and maintenance (O&M) with data collection on January 6, February 2, March 10, March 24, April 7, May 5, May 29, and June 30, 2022.
- Antea Group performed remediation system repairs and non-routine operations on January 11, February 23, March 2, March 24, May 4, May 6, and May 9, 2022.
- Antea Group oversaw a soil vapor extraction (SVE) line vacuum event on May 5, 2022.
- Antea Group directed electrical repair to the catalytic oxidizer unit on May 29, 2022
- In January 2022, CHI Franciscan Health representatives requested a new access agreement prior to Antea sampling the monitoring wells on their property. At the time of the sampling events conducted during this reporting period, access remained unresolved. Every attempt will be made to obtain access and sample monitoring wells (MW-9, MW-11, MW-12 and GMW-1) during the third and fourth quarter 2022 sampling events.
- Antea Group conducted quarterly groundwater monitoring and sampling on March 8, 2022 and June 22, 2022.
- Antea Group prepared this semi-annual groundwater monitoring report.

WORK SCHEDULED FOR SECOND HALF OF 2022

- Antea Group will conduct semi-annual groundwater monitoring and sampling.
- Antea Group will conduct remediation system O&M.
- Antea Group will prepare a semi-annual groundwater monitoring report.

Current Phase of Project	Remediation	
Frequency of Groundwater Sampling and Monitoring	Quarterly	
Are LPH Present On-Site	None	
LPH Recovered this Reporting Period	None	
Cumulative LPH Recovered to Date	Unknown	
Amount of Soil Removed to Date	Unknown	
Current Remediation Techniques	SVE system operation	
Approximate Depth to Groundwater	March 8, 2022	15.19 to 26.61 ft. bgs.
	June 22, 2022	15.03 to 26.90 ft. bgs.
Groundwater Gradient	March 8, 2022	Southwest 0.06 ft./linear ft. and East Southeast, 0.04 ft./linear ft.
	June 22, 2022	Southwest, 0.03 ft./linear ft. and East Southeast, 0.02 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.

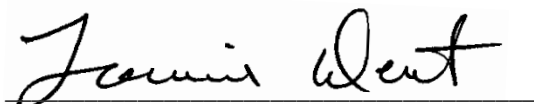
Prepared by



Jesse Schewe
Staff Professional

Date: August 23, 2022

Reviewed by:



Lonnie Dent
Senior Project Manager

Date: August 23, 2022

Reviewed by:



Megan Richard, LG
Senior Project Manager



Date: August 23, 2022

cc: Mr. Michael Warfel, Washington Department of Ecology, Northwest Regional Office (Hardcopy, Electronic Copy)
Mr. Richard Wright, Jackson Energy (Electronic Copy)
Mr. Wade Melton, Remediation Management Services Company (Electronic Copy - RMO Upload)
File, Antea Group

CONTACT INFORMATION

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Tables

Table 1 - Groundwater Gauging Data

Table 2 - Groundwater Analytical Data

Table 3 - PAH Groundwater Analytical Data

Table 4 - Select VOCs Groundwater Analytical Data

Table 5 - SVE/AS System Operational Data

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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
AS-1	5/7/2015	--	23.30	NP	--	--	NS
AS-1	3/2/2016	--	23.31	NP	--	--	NS
AS-2	3/2/2016	--	21.18	NP	--	--	NS
AS-3	3/2/2016	--	21.63	NP	--	--	NS
AS-4	3/2/2016	--	21.65	NP	--	--	NS
AS-5	3/2/2016	--	--	--	--	--	Dry
AS-6	3/2/2016	--	25.61	NP	--	--	NS
CW-2	3/2/2016	--	19.53	NP	--	--	NS
CW-3	3/2/2016	--	21.57	NP	--	--	NS
CW-4	3/2/2016	--	20.61	NP	--	--	NS
EW-1	5/9/2013	268.20	24.49	24.32	0.17	243.85	--
EW-1	5/7/2015	268.20	25.75	24.73	1.02	243.27	--
EW-1	3/2/2016	268.20	24.81	NP	--	243.39	NS
EW-1	6/6/2016	268.20	25.94	25.28	0.66	242.79	--
EW-1	9/12/2016	268.20	26.89	26.16	0.73	241.89	--
EW-1	12/12/2016	268.20	25.49	24.70	0.79	243.34	--
EW-1	2/22/2017	268.20	24.98	24.20	0.78	243.84	--
EW-1	8/29/2017	268.20	26.28	25.68	0.60	242.40	--
EW-1	10/25/2018	268.20	27.52	NP	--	240.68	NS
EW-1	2/20/2019	268.20	26.85	NP	--	241.35	NS
EW-1	5/14/2019	268.20	27.18	NP	--	241.02	NS
EW-1	8/27/2019	268.20	27.83	NP	--	240.37	NS
EW-1	11/25/2019	268.20	27.84	NP	--	240.36	NS
EW-1	3/25/2020	268.20	26.50	NP	--	241.70	NS
EW-1	8/6/2020	268.20	26.85	NP	--	241.35	NS
EW-2	5/9/2013	267.93	24.11	NP	--	243.82	NS
EW-2	5/7/2015	267.93	24.78	NP	--	243.15	NS
EW-2	3/2/2016	267.93	24.80	NP	--	243.13	NS
EW-2	6/6/2016	267.93	25.17	NP	--	242.76	NS
EW-2	9/12/2016	267.93	26.22	NP	--	241.71	NS
EW-2	12/12/2016	267.93	24.64	NP	--	243.29	NS
EW-2	2/22/2017	267.93	24.10	NP	--	243.83	NS
EW-2	8/29/2017	267.93	25.56	NP	--	242.37	NS
EW-2	10/25/2018	267.93	27.30	NP	--	240.63	NS
EW-2	2/20/2019	267.93	26.52	NP	--	241.41	NS
EW-2	5/14/2019	267.93	26.96	NP	--	240.97	NS
EW-2	8/27/2019	267.93	27.65	NP	--	240.28	NS

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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
EW-2	11/25/2019	267.93	27.81	NP	--	240.12	NS
EW-2	3/25/2020	267.93	26.21	NP	--	241.72	NS
EW-2	8/6/2020	267.93	26.61	NP	--	241.32	NS
EW-3	5/9/2013	268.50	24.90	24.59	0.31	243.85	--
EW-3	5/7/2015	268.50	25.77	23.23	2.54	244.76	--
EW-3	3/2/2016	268.50	25.44	25.19	0.25	243.26	--
EW-3	9/12/2016	268.50	27.17	25.63	1.54	242.56	--
EW-3	12/12/2016	268.50	25.58	24.75	0.83	243.58	--
EW-3	2/22/2017	268.50	25.06	24.22	0.84	244.11	--
EW-3	8/29/2017	268.50	26.75	25.99	0.76	242.36	--
EW-3	10/25/2018	268.50	27.81	NP	--	240.69	NS
EW-3	2/20/2019	268.50	26.93	NP	--	241.57	NS
EW-3	5/14/2019	268.50	27.45	NP	--	241.05	NS
EW-3	8/27/2019	268.50	27.98	NP	--	240.52	NS
EW-3	11/25/2019	268.50	27.98	NP	--	240.52	NS
EW-3	3/25/2020	268.50	26.69	NP	--	241.81	NS
EW-3	8/6/2020	268.50	27.11	NP	--	241.39	NS
GMW-1	5/10/2011	--	22.08	NP	--	--	--
GMW-1	11/29/2011	--	23.83	NP	--	--	--
GMW-1	6/1/2012	--	--	--	--	--	NM
GMW-1	11/29/2012	265.63	--	--	--	--	NM
GMW-1	5/9/2013	265.63	22.58	NP	--	243.05	--
GMW-1	11/19/2013	265.63	24.00	NP	--	241.63	--
GMW-1	5/13/2014	265.63	22.83	NP	--	242.80	NS
GMW-1	5/14/2014	265.63	--	--	--	--	--
GMW-1	5/7/2015	265.63	23.48	NP	--	242.15	--
GMW-1	3/2/2016	265.63	22.48	NP	--	243.15	--
GMW-1	6/6/2016	265.63	23.51	NP	--	242.12	--
GMW-1	9/12/2016	265.63	24.89	NP	--	240.74	--
GMW-1	12/12/2016	265.63	22.95	NP	--	242.68	--
GMW-1	2/22/2017	265.63	22.02	NP	--	243.61	--
GMW-1	8/29/2017	265.63	23.86	NP	--	241.77	--
GMW-1	3/13/2018	265.63	23.20	NP	--	242.43	--
GMW-1	10/25/2018	265.63	26.22	26.16	0.06	239.46	--
GMW-1	2/20/2019	265.63	24.34	NP	--	241.29	--
GMW-1	5/13/2019	265.63	25.28	NP	--	240.35	--
GMW-1	8/27/2019	265.63	26.68	NP	--	238.95	--
GMW-1	11/25/2019	265.63	26.95	26.90	0.05	238.72	NS
GMW-1	3/25/2020	265.63	24.91	NP	--	240.72	--
GMW-1	6/2/2020	265.63	25.05	NP	--	240.58	--
GMW-1	8/6/2020	265.63	25.92	NP	--	239.71	--
GMW-1	12/10/2020	265.63	25.50	25.49	0.01	240.14	--
GMW-1	3/8/2021	265.63	23.35	NP	--	242.28	--
GMW-1	6/9/2021	265.63	24.62	NP	--	241.01	--
GMW-1	9/13/2021	265.63	26.70	NP	--	238.93	Dry

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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
GMW-1	12/7/2021	265.63	24.55	NP	--	241.08	--
MW-1	5/11/1993	99.89	23.02	NP	--	76.87	--
MW-1	3/4/1994	99.89	24.32	NP	--	75.57	--
MW-1	7/6/1994	99.89	24.60	NP	--	75.29	--
MW-1	10/7/1994	99.89	24.97	NP	--	74.92	--
MW-1	12/28/1994	99.89	24.86	NP	--	75.03	--
MW-1	3/13/1995	99.89	24.16	NP	--	75.73	--
MW-1	6/30/1995	99.89	23.98	NP	--	75.91	--
MW-1	9/6/1995	99.89	24.30	NP	--	75.59	--
MW-1	12/8/1995	99.89	24.41	NP	--	75.48	--
MW-1	3/11/1996	99.89	23.11	NP	--	76.78	--
MW-1	6/18/1996	99.89	22.80	NP	--	77.09	--
MW-1	9/9/1996	99.89	23.11	NP	--	76.78	--
MW-1	12/11/1996	99.89	23.07	NP	--	76.82	--
MW-1	3/13/1997	99.89	22.12	NP	--	77.77	--
MW-1	6/5/1997	99.89	21.75	NP	--	78.14	--
MW-1	9/5/1997	99.89	22.03	NP	--	77.86	--
MW-1	4/2/1998	99.89	21.27	NP	--	78.62	--
MW-1	6/8/1998	99.89	21.53	NP	--	78.36	--
MW-1	12/9/1998	99.89	22.22	NP	--	77.67	--
MW-1	6/26/1999	99.89	21.08	NP	--	78.81	--
MW-1	9/28/1999	99.89	21.88	NP	--	78.01	--
MW-1	1/19/2000	99.89	21.46	NP	--	78.43	--
MW-1	3/24/2000	99.89	21.40	NP	--	78.49	--
MW-1	7/2/2000	99.89	21.92	NP	--	77.97	--
MW-1	9/14/2000	99.89	22.54	NP	--	77.35	--
MW-1	12/14/2000	99.89	22.81	NP	--	77.08	--
MW-1	9/22/2001	99.89	23.55	NP	--	76.34	--
MW-1	12/9/2001	99.89	23.63	NP	--	76.26	--
MW-1	3/20/2002	99.89	22.88	NP	--	77.01	--
MW-1	6/11/2002	99.89	23.02	NP	--	76.87	--
MW-1	12/21/2002	99.89	24.54	NP	--	75.35	NS
MW-1	3/19/2003	99.89	24.50	NP	--	75.39	NS
MW-1	6/18/2003	99.89	24.36	NP	--	75.53	NS
MW-1	9/23/2003	99.89	--	--	--	--	NS
MW-1	10/21/2003	99.89	25.04	NP	--	74.85	--
MW-1	6/29/2004	99.89	24.22	NP	--	75.67	NS
MW-1	11/15/2004	99.89	25.11	NP	--	74.78	NS
MW-1	4/14/2005	99.89	25.10	NP	--	74.79	NS
MW-1	12/18/2005	99.89	25.46	NP	--	74.43	--
MW-1	6/11/2006	99.89	24.54	NP	--	75.35	--
MW-1	11/5/2006	99.89	25.59	NP	--	74.30	--
MW-1	9/25/2007	99.89	25.08	NP	--	74.81	--
MW-1	12/31/2007	99.89	25.23	NP	--	74.66	--
MW-1	5/29/2008	99.89	25.01	NP	--	74.88	--
MW-1	10/28/2008	99.89	25.80	NP	--	74.09	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-1	6/22/2009	99.89	26.11	NP	--	73.78	--
MW-1	12/15/2009	99.89	26.31	NP	--	73.58	--
MW-1	5/24/2010	267.43	25.20	NP	--	242.23	--
MW-1	10/12/2010	267.43	25.09	NP	--	242.34	--
MW-1	5/10/2011	267.43	23.60	NP	--	243.83	--
MW-1	11/29/2011	267.43	24.84	NP	--	242.59	--
MW-1	6/1/2012	267.43	23.67	NP	--	243.76	--
MW-1	11/29/2012	267.43	24.00	NP	--	243.43	--
MW-1	5/9/2013	267.43	23.79	NP	--	243.64	--
MW-1	11/19/2013	267.43	25.30	NP	--	242.13	--
MW-1	5/13/2014	267.43	24.12	NP	--	243.31	--
MW-1	5/7/2015	267.43	24.26	NP	--	243.17	--
MW-1	3/2/2016	267.43	24.53	NP	--	242.90	--
MW-1	6/6/2016	267.43	24.82	NP	--	242.61	NS
MW-1	9/12/2016	267.43	26.88	NP	--	240.55	IW
MW-1	12/12/2016	267.43	24.76	NP	--	242.67	NS
MW-1	2/22/2017	267.43	24.11	NP	--	243.32	--
MW-1	8/29/2017	267.43	25.20	NP	--	242.23	--
MW-1	3/13/2018	267.43	25.35	NP	--	242.08	--
MW-1	10/25/2018	267.43	26.43	NP	--	241.00	NS
MW-1	2/20/2019	267.43	26.37	NP	--	241.06	NS
MW-1	2/22/2019	267.43	26.33	NP	--	241.10	--
MW-1	5/14/2019	267.43	26.70	NP	--	240.73	--
MW-1	8/27/2019	267.43	27.20	NP	--	240.23	NS
MW-1	11/25/2019	267.43	27.21	NP	--	240.22	NS
MW-1	3/26/2020	267.43	26.02	NP	--	241.41	--
MW-1	6/3/2020	267.43	25.92	NP	--	241.51	--
MW-1	8/6/2020	267.43	26.32	NP	--	241.11	--
MW-1	12/10/2020	267.43	--	--	--	--	Dry
MW-1	3/8/2021	267.43	25.27	NP	--	242.16	--
MW-1	6/9/2021	267.43	25.76	25.76	0.00	241.67	--
MW-1	9/13/2021	267.43	26.77	NP	--	240.66	Dry
MW-1	12/7/2021	--	--	--	--	--	Dry
MW-1	3/8/2022	267.43	25.89	NP	--	241.54	--
MW-1	6/22/2022	267.43	26.07	NP	--	241.36	--
MW-2	5/11/1993	99.05	22.98	NP	--	76.07	--
MW-2	3/4/1994	99.05	24.30	NP	--	74.75	--
MW-2	7/6/1994	99.05	24.54	NP	--	74.51	--
MW-2	10/7/1994	99.05	24.94	NP	--	74.11	--
MW-2	12/28/1994	99.05	24.60	NP	--	74.45	--
MW-2	3/13/1995	99.05	23.84	NP	--	75.21	--
MW-2	6/30/1995	99.05	23.72	NP	--	75.33	--
MW-2	9/6/1995	99.05	23.97	NP	--	75.08	--
MW-2	12/8/1995	99.05	23.97	NP	--	75.08	--
MW-2	3/11/1996	99.05	22.66	NP	--	76.39	--
MW-2	6/18/1996	99.05	22.18	NP	--	76.87	--

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4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	9/9/1996	99.05	22.72	NP	--	76.33	--
MW-2	12/11/1996	99.05	22.67	NP	--	76.38	--
MW-2	3/13/1997	99.05	21.91	NP	--	77.14	--
MW-2	6/5/1997	99.05	21.06	NP	--	77.99	--
MW-2	9/5/1997	99.05	21.74	NP	--	77.31	--
MW-2	4/2/1998	99.05	20.71	NP	--	78.34	--
MW-2	6/8/1998	99.05	21.25	NP	--	77.80	--
MW-2	9/17/1998	99.05	22.10	NP	--	76.95	--
MW-2	12/9/1998	99.05	21.99	NP	--	77.06	--
MW-2	3/17/1999	99.05	19.67	NP	--	79.38	--
MW-2	6/26/1999	99.05	21.26	NP	--	77.79	--
MW-2	9/28/1999	99.05	21.75	NP	--	77.30	--
MW-2	1/19/2000	99.05	21.12	NP	--	77.93	--
MW-2	3/24/2000	99.05	20.74	NP	--	78.31	--
MW-2	7/2/2000	99.05	21.51	NP	--	77.54	--
MW-2	9/14/2000	99.05	22.31	NP	--	76.74	--
MW-2	12/14/2000	99.05	22.97	NP	--	76.08	--
MW-2	9/22/2001	99.05	23.59	NP	--	75.46	--
MW-2	12/9/2001	99.05	23.27	NP	--	75.78	--
MW-2	3/20/2002	99.05	22.41	NP	--	76.64	--
MW-2	6/11/2002	99.05	22.61	NP	--	76.44	--
MW-2	12/21/2002	99.05	24.30	NP	--	74.75	--
MW-2	3/19/2003	99.05	23.90	NP	--	75.15	--
MW-2	6/18/2003	99.05	23.87	NP	--	75.18	--
MW-2	9/23/2003	99.05	24.33	NP	--	74.72	--
MW-2	10/21/2003	99.05	24.38	NP	--	74.67	--
MW-2	6/29/2004	99.05	23.74	NP	--	75.31	--
MW-2	11/15/2004	99.05	24.70	NP	--	74.35	--
MW-2	4/14/2005	99.05	24.69	NP	--	74.36	--
MW-2	12/18/2005	99.05	25.15	NP	--	73.90	--
MW-2	6/11/2006	99.05	24.01	NP	--	75.04	--
MW-2	11/5/2006	99.05	25.40	NP	--	73.65	--
MW-2	9/25/2007	99.05	24.72	NP	--	74.33	--
MW-2	12/31/2007	99.05	24.67	NP	--	74.38	--
MW-2	5/29/2008	99.05	24.73	NP	--	74.32	--
MW-2	10/28/2008	99.05	25.74	NP	--	73.31	--
MW-2	6/22/2009	99.05	25.91	NP	--	73.14	--
MW-2	12/15/2009	99.05	25.87	NP	--	73.18	--
MW-2	5/24/2010	266.69	24.64	NP	--	242.05	--
MW-2	10/12/2010	266.69	25.03	NP	--	241.66	--
MW-2	5/10/2011	266.69	23.23	NP	--	243.46	--
MW-2	11/29/2011	266.69	24.82	NP	--	241.87	--
MW-2	6/1/2012	266.69	23.60	NP	--	243.09	--
MW-2	11/29/2012	266.69	23.86	NP	--	242.83	--
MW-2	5/9/2013	266.69	23.41	NP	--	243.28	--
MW-2	11/19/2013	266.69	24.40	NP	--	242.29	--
MW-2	5/13/2014	266.69	23.74	NP	--	242.95	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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	5/7/2015	266.69	24.14	NP	--	242.55	--
MW-2	3/2/2016	266.69	23.79	NP	--	242.90	--
MW-2	6/6/2016	266.69	24.49	NP	--	242.20	--
MW-2	9/12/2016	266.69	26.69	NP	--	240.00	--
MW-2	12/12/2016	266.69	23.96	NP	--	242.73	--
MW-2	2/22/2017	266.69	23.18	NP	--	243.51	--
MW-2	8/29/2017	266.69	24.86	NP	--	241.83	--
MW-2	3/13/2018	266.69	24.45	NP	--	242.24	--
MW-2	10/25/2018	266.69	26.85	NP	--	239.84	--
MW-2	2/20/2019	266.69	25.27	NP	--	241.42	--
MW-2	5/14/2019	266.69	26.20	NP	--	240.49	--
MW-2	8/27/2019	266.69	27.30	NP	--	239.39	NS
MW-2	11/26/2019	266.69	27.29	NP	--	239.40	--
MW-2	3/26/2020	266.69	25.44	NP	--	241.25	--
MW-2	6/3/2020	266.69	25.60	NP	--	241.09	--
MW-2	8/7/2020	266.69	26.22	NP	--	240.47	--
MW-2	12/10/2020	266.69	24.06	NP	--	242.63	--
MW-2	3/8/2021	266.69	24.32	NP	--	242.37	--
MW-2	6/9/2021	266.69	25.45	NP	--	241.24	--
MW-2	9/13/2021	266.69	27.79	NP	--	238.90	Dry
MW-2	12/7/2021	266.69	25.12	NP	--	241.57	--
MW-2	3/8/2022	266.69	24.48	NP	--	242.21	--
MW-2	6/22/2022	266.69	25.03	NP	--	241.66	--
MW-3	6/7/1993	98.53	22.28	NP	--	76.25	--
MW-3	3/4/1994	98.53	23.62	NP	--	74.91	--
MW-3	7/6/1994	98.53	23.84	NP	--	74.69	--
MW-3	10/7/1994	98.53	24.21	NP	--	74.32	--
MW-3	12/28/1994	98.53	23.91	NP	--	74.62	--
MW-3	3/13/1995	98.53	23.12	NP	--	75.41	--
MW-3	6/30/1995	98.53	23.87	NP	--	74.66	--
MW-3	9/6/1995	98.53	23.14	NP	--	75.39	--
MW-3	12/8/1995	98.53	23.20	NP	--	75.33	--
MW-3	3/11/1996	98.53	21.63	NP	--	76.90	--
MW-3	6/18/1996	98.53	21.20	NP	--	77.33	--
MW-3	9/9/1996	98.53	21.67	NP	--	76.86	--
MW-3	12/11/1996	98.53	21.87	NP	--	76.66	--
MW-3	3/13/1997	98.53	20.67	NP	--	77.86	--
MW-3	6/5/1997	98.53	19.83	NP	--	78.70	--
MW-3	9/5/1997	98.53	20.72	NP	--	77.81	--
MW-3	4/2/1998	98.53	19.63	NP	--	78.90	--
MW-3	6/8/1998	98.53	20.26	NP	--	78.27	--
MW-3	9/17/1998	98.53	21.21	NP	--	77.32	--
MW-3	12/9/1998	98.53	21.06	NP	--	77.47	--
MW-3	3/17/1999	98.53	18.72	NP	--	79.81	--
MW-3	6/26/1999	98.53	19.92	NP	--	78.61	--
MW-3	9/28/1999	98.53	20.79	NP	--	77.74	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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	1/19/2000	98.53	20.19	NP	--	78.34	--
MW-3	3/24/2000	98.53	19.64	NP	--	78.89	--
MW-3	7/2/2000	98.53	20.53	NP	--	78.00	--
MW-3	9/14/2000	98.53	21.34	NP	--	77.19	--
MW-3	12/14/2000	98.53	21.90	NP	--	76.63	--
MW-3	9/22/2001	98.53	22.82	NP	--	75.71	--
MW-3	12/9/2001	98.53	22.50	NP	--	76.03	--
MW-3	3/20/2002	98.53	21.55	NP	--	76.98	--
MW-3	6/11/2002	98.53	21.69	NP	--	76.84	--
MW-3	12/21/2002	98.53	24.37	NP	--	74.16	--
MW-3	3/19/2003	98.53	23.17	NP	--	75.36	NS
MW-3	6/18/2003	98.53	22.82	NP	--	75.71	--
MW-3	9/23/2003	98.53	23.55	NP	--	74.98	NS
MW-3	10/21/2003	98.53	23.52	NP	--	75.01	--
MW-3	6/29/2004	98.53	--	--	--	--	NS
MW-3	11/15/2004	98.53	23.95	NP	--	74.58	--
MW-3	4/14/2005	98.53	23.90	NP	--	74.63	--
MW-3	12/18/2005	98.53	24.42	NP	--	74.11	--
MW-3	6/11/2006	98.53	23.48	NP	--	75.05	--
MW-3	11/5/2006	98.53	24.59	NP	--	73.94	--
MW-3	9/25/2007	98.53	23.84	NP	--	74.69	--
MW-3	12/31/2007	98.53	23.83	NP	--	74.70	--
MW-3	5/29/2008	98.53	23.90	NP	--	74.63	--
MW-3	10/28/2008	98.53	24.97	NP	--	73.56	--
MW-3	6/22/2009	98.53	25.29	NP	--	73.24	--
MW-3	12/15/2009	98.53	25.14	NP	--	73.39	--
MW-3	5/24/2010	266.00	24.10	NP	--	241.90	--
MW-3	10/12/2010	266.00	24.40	NP	--	241.60	--
MW-3	5/10/2011	266.00	22.55	NP	--	243.45	--
MW-3	11/29/2011	266.00	24.19	NP	--	241.81	--
MW-3	6/1/2012	266.00	22.94	NP	--	243.06	--
MW-3	11/29/2012	266.00	22.90	NP	--	243.10	--
MW-3	5/9/2013	266.00	22.72	NP	--	243.28	--
MW-3	11/19/2013	266.00	24.30	NP	--	241.70	--
MW-3	5/13/2014	266.00	22.95	NP	--	243.05	--
MW-3	5/7/2015	266.00	23.52	NP	--	242.48	--
MW-3	3/2/2016	266.00	22.12	NP	--	243.88	--
MW-3	6/6/2016	266.00	23.76	NP	--	242.24	--
MW-3	9/12/2016	266.00	25.08	NP	--	240.92	--
MW-3	12/12/2016	266.00	22.42	NP	--	243.58	--
MW-3	2/22/2017	266.00	20.02	NP	--	245.98	--
MW-3	8/29/2017	266.00	24.09	NP	--	241.91	--
MW-3	3/13/2018	266.00	23.22	NP	--	242.78	--
MW-3	10/25/2018	266.00	26.11	NP	--	239.89	--
MW-3	2/20/2019	266.00	23.86	NP	--	242.14	NS
MW-3	5/14/2019	266.00	25.42	NP	--	240.58	--
MW-3	8/27/2019	266.00	26.38	NP	--	239.62	NS

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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	11/25/2019	266.00	24.70	NP	--	241.30	--
MW-3	3/26/2020	266.00	25.79	NP	--	240.21	--
MW-3	6/2/2020	266.00	24.64	NP	--	241.36	NS
MW-3	8/7/2020	266.00	25.53	NP	--	240.47	--
MW-3	12/10/2020	266.00	24.59	NP	--	241.41	--
MW-3	3/8/2021	266.00	23.11	NP	--	242.89	--
MW-3	6/9/2021	266.00	24.63	NP	--	241.37	--
MW-3	9/13/2021	266.00	26.07	NP	--	239.93	--
MW-3	12/7/2021	266.00	22.98	NP	--	243.02	--
MW-3	3/8/2022	266.00	23.19	NP	--	242.81	--
MW-3	6/22/2022	266.00	24.07	NP	--	241.93	--
MW-4	5/11/1993	100.26	23.03	NP	--	77.23	--
MW-4	3/4/1994	100.26	26.83	22.83	4.00	76.63	--
MW-4	7/6/1994	100.26	25.63	24.20	1.43	75.77	--
MW-4	10/7/1994	100.26	26.07	24.44	1.63	75.49	--
MW-4	12/28/1994	100.26	25.85	24.42	1.43	75.55	--
MW-4	3/13/1995	100.26	25.59	23.71	1.88	76.17	--
MW-4	6/30/1995	100.26	24.64	23.53	1.11	76.51	--
MW-4	9/6/1995	100.26	24.78	23.73	1.05	76.32	--
MW-4	12/8/1995	100.26	24.94	23.89	1.05	76.16	--
MW-4	3/11/1996	100.26	24.68	22.30	2.38	77.48	--
MW-4	6/18/1996	100.26	24.04	21.93	2.11	77.91	--
MW-4	9/9/1996	100.26	24.08	22.23	1.85	77.66	--
MW-4	12/11/1996	100.26	23.07	22.69	0.38	77.49	--
MW-4	3/17/1999	100.26	--	--	--	--	--
MW-4	9/28/1999	100.26	--	--	--	--	--
MW-4	1/19/2000	100.26	--	--	--	--	--
MW-4	3/24/2000	100.26	--	--	--	--	--
MW-4	7/2/2000	100.26	--	--	--	--	--
MW-4	9/14/2000	100.26	--	--	--	--	--
MW-4	9/22/2001	100.26	26.60	23.33	3.27	76.28	--
MW-4	12/9/2001	100.26	25.50	23.13	2.37	76.66	--
MW-4	3/20/2002	100.26	26.50	22.77	3.73	76.74	--
MW-4	6/11/2002	100.26	24.25	23.15	1.10	76.89	--
MW-4	12/21/2002	100.26	--	--	--	--	NS
MW-4	3/19/2003	100.26	--	--	--	--	NS
MW-4	6/18/2003	100.26	--	--	--	--	NS
MW-4	9/23/2003	100.26	22.31	22.24	0.07	78.01	--
MW-4	10/21/2003	100.26	21.79	NP	--	78.47	--
MW-4	6/29/2004	100.26	22.88	NP	--	77.38	--
MW-4	11/15/2004	100.26	23.07	21.62	1.45	78.35	--
MW-4	4/14/2005	100.26	23.82	21.93	1.89	77.95	--
MW-4	12/18/2005	100.26	23.43	23.35	0.08	76.89	--
MW-4	6/11/2006	100.26	21.87	21.86	0.01	78.40	--
MW-4	11/5/2006	100.26	22.92	22.91	0.01	77.35	--
MW-4	9/25/2007	100.26	22.15	22.13	0.02	78.13	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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	12/31/2007	100.26	--	--	--	--	NS
MW-4	5/29/2008	100.26	--	--	--	--	NM
MW-4	10/28/2008	100.26	--	--	--	--	Dry
MW-4	6/22/2009	100.26	24.21	24.17	0.04	76.08	--
MW-4	12/15/2009	100.26	24.04	23.76	0.28	76.44	--
MW-4	5/24/2010	267.78	--	--	--	--	NM
MW-4	5/10/2011	267.78	--	--	--	--	NM
MW-4	11/29/2011	267.78	--	--	--	--	NM
MW-4	6/1/2012	267.78	--	--	--	--	NM
MW-4	11/29/2012	267.78	24.00	23.90	0.10	243.86	--
MW-4	5/9/2013	267.78	26.48	22.65	3.83	244.36	--
MW-4	11/19/2013	267.78	26.61	24.80	1.81	242.62	--
MW-4	5/13/2014	267.78	25.80	23.30	2.50	243.98	--
MW-4	5/7/2015	267.78	26.50	23.55	2.95	243.64	--
MW-4	3/2/2016	267.78	24.67	23.27	1.40	244.23	--
MW-4	6/6/2016	267.78	25.86	24.33	1.53	243.14	--
MW-4	9/12/2016	267.78	26.51	25.40	1.11	242.16	--
MW-4	12/12/2016	267.78	23.27	NP	--	244.51	--
MW-4	2/22/2017	267.78	22.63	22.56	0.07	245.21	--
MW-4	8/29/2017	267.78	26.50	24.82	1.68	242.62	NS
MW-4	3/13/2018	267.78	24.74	24.26	0.48	243.42	NS
MW-4	10/25/2018	267.78	26.76	26.48	0.28	241.24	NS
MW-4	2/20/2019	267.78	24.80	NP	--	242.98	NS
MW-4	5/14/2019	267.78	26.33	NP	--	241.45	NS
MW-4	8/27/2019	267.78	26.51	NP	--	241.27	NS
MW-4	11/25/2019	267.78	26.51	NP	--	241.27	NS
MW-4	3/26/2020	267.78	24.62	NP	--	243.16	--
MW-4	6/2/2020	267.78	24.65	NP	--	243.13	NS
MW-4	8/6/2020	267.78	26.29	26.15	0.14	241.60	NS
MW-4	12/10/2020	267.78	25.81	25.76	0.05	242.01	--
MW-4	3/8/2021	267.78	24.01	NP	--	243.77	--
MW-4	6/9/2021	267.78	25.28	NP	--	242.50	--
MW-4	9/13/2021	267.78	26.82	NP	--	240.96	Dry
MW-4	12/7/2021	267.78	24.36	NP	--	243.42	--
MW-4	3/8/2022	267.78	23.40	NP	--	244.38	--
MW-4	6/22/2022	267.78	25.41	NP	--	242.37	--
MW-5	5/11/1993	100.88	22.97	NP	--	77.91	--
MW-5	3/4/1994	100.88	24.35	NP	--	76.53	--
MW-5	7/6/1994	100.88	24.72	NP	--	76.16	--
MW-5	10/7/1994	100.88	25.02	NP	--	75.86	--
MW-5	12/28/1994	100.88	24.98	NP	--	75.90	--
MW-5	3/13/1995	100.88	24.41	NP	--	76.47	--
MW-5	6/30/1995	100.88	24.06	NP	--	76.82	--
MW-5	9/6/1995	100.88	24.27	NP	--	76.61	--
MW-5	12/8/1995	100.88	24.49	NP	--	76.39	--
MW-5	3/11/1996	100.88	23.33	NP	--	77.55	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-5	6/18/1996	100.88	22.91	NP	--	77.97	--
MW-5	9/9/1996	100.88	23.07	NP	--	77.81	--
MW-5	12/11/1996	100.88	23.13	NP	--	77.75	--
MW-5	3/13/1997	100.88	22.28	NP	--	78.60	--
MW-5	6/5/1997	100.88	21.78	NP	--	79.10	--
MW-5	9/5/1997	100.88	21.92	NP	--	78.96	--
MW-5	4/2/1998	100.88	21.35	NP	--	79.53	--
MW-5	6/8/1998	100.88	21.48	NP	--	79.40	--
MW-5	9/17/1998	100.88	22.12	NP	--	78.76	--
MW-5	12/9/1998	100.88	22.33	NP	--	78.55	--
MW-5	3/17/1999	100.88	20.93	NP	--	79.95	--
MW-5	6/26/1999	100.88	21.02	NP	--	79.86	--
MW-5	9/28/1999	100.88	21.76	NP	--	79.12	--
MW-5	1/19/2000	100.88	21.65	NP	--	79.23	--
MW-5	3/24/2000	100.88	21.48	NP	--	79.40	--
MW-5	7/2/2000	100.88	22.01	NP	--	78.87	--
MW-5	9/14/2000	100.88	22.59	NP	--	78.29	--
MW-5	12/14/2000	100.88	22.95	NP	--	77.93	--
MW-5	9/22/2001	100.88	23.86	NP	--	77.02	--
MW-5	12/9/2001	100.88	23.90	NP	--	76.98	--
MW-5	3/20/2002	100.88	23.13	NP	--	77.75	--
MW-5	6/11/2002	100.88	23.09	NP	--	77.79	--
MW-5	12/21/2002	100.88	24.65	NP	--	76.23	--
MW-5	3/19/2003	100.88	24.68	NP	--	76.20	--
MW-5	6/18/2003	100.88	24.37	NP	--	76.51	--
MW-5	9/23/2003	100.88	24.88	NP	--	76.00	--
MW-5	10/21/2003	100.88	24.99	NP	--	75.89	--
MW-5	6/29/2004	100.88	24.22	NP	--	76.66	--
MW-5	11/15/2004	100.88	24.97	NP	--	75.91	--
MW-5	4/14/2005	100.88	25.08	NP	--	75.80	--
MW-5	12/18/2005	100.88	25.47	NP	--	75.41	--
MW-5	6/11/2006	100.88	24.43	NP	--	76.45	--
MW-5	11/5/2006	100.88	25.55	NP	--	75.33	--
MW-5	9/25/2007	100.88	24.95	NP	--	75.93	--
MW-5	12/31/2007	100.88	25.16	NP	--	75.72	--
MW-5	5/29/2008	100.88	25.01	NP	--	75.87	--
MW-5	10/28/2008	100.88	25.89	NP	--	74.99	--
MW-5	6/22/2009	100.88	26.95	NP	--	73.93	--
MW-5	12/15/2009	100.88	26.57	NP	--	74.31	--
MW-5	5/24/2010	100.88	25.55	NP	--	75.33	--
MW-5	10/12/2010	268.46	25.74	NP	--	242.72	--
MW-5	5/10/2011	268.46	24.61	NP	--	243.85	--
MW-5	11/29/2011	268.46	25.55	NP	--	242.91	--
MW-5	6/1/2012	268.46	24.60	NP	--	243.86	--
MW-5	11/29/2012	268.46	25.31	NP	--	243.15	--
MW-5	5/9/2013	268.46	24.52	NP	--	243.94	--
MW-5	11/19/2013	268.46	26.35	NP	--	242.11	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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	5/13/2014	268.46	25.18	NP	--	243.28	--
MW-5	5/7/2015	268.46	25.22	NP	--	243.24	--
MW-5	3/2/2016	268.46	25.55	NP	--	242.91	--
MW-5	6/6/2016	268.46	25.74	NP	--	242.72	--
MW-5	9/12/2016	268.46	27.43	NP	--	241.03	IW
MW-5	12/12/2016	268.46	25.36	NP	--	243.10	--
MW-5	2/22/2017	268.46	25.00	NP	--	243.46	--
MW-5	8/29/2017	268.46	26.20	NP	--	242.26	--
MW-5	3/13/2018	268.46	26.39	NP	--	242.07	--
MW-5	10/25/2018	268.46	27.13	NP	--	241.33	NS
MW-5	2/20/2019	268.46	27.33	NP	--	241.13	NS
MW-5	5/14/2019	268.46	27.24	NP	--	241.22	--
MW-5	8/27/2019	268.46	27.40	NP	--	241.06	NS
MW-5	11/25/2019	268.46	27.55	NP	--	240.91	NS
MW-5	3/25/2020	268.46	26.84	NP	--	241.62	--
MW-5	6/2/2020	268.46	26.80	NP	--	241.66	NS
MW-5	8/6/2020	268.46	27.03	NP	--	241.43	NS
MW-5	12/10/2020	268.46	--	--	--	--	Dry
MW-5	3/8/2021	268.46	26.06	NP	--	242.40	--
MW-5	6/9/2021	268.46	26.70	NP	--	241.76	--
MW-5	9/13/2021	268.46	27.16	NP	--	241.30	Dry
MW-5	12/7/2021	--	--	--	--	--	Dry
MW-5	3/8/2022	268.46	26.61	NP	--	241.85	IW
MW-5	6/22/2022	268.46	26.90	NP	--	241.56	--
MW-6	9/5/1997	98.62	21.20	NP	--	77.42	--
MW-6	4/2/1998	98.62	19.70	NP	--	78.92	--
MW-6	6/8/1998	98.62	20.58	NP	--	78.04	--
MW-6	9/17/1998	98.62	21.87	NP	--	76.75	--
MW-6	12/9/1998	98.62	21.20	NP	--	77.42	--
MW-6	3/17/1999	98.62	18.49	NP	--	80.13	--
MW-6	6/26/1999	98.62	18.49	NP	--	80.13	--
MW-6	9/28/1999	98.62	21.40	NP	--	77.22	--
MW-6	1/19/2000	98.62	20.39	NP	--	78.23	--
MW-6	3/24/2000	98.62	19.63	NP	--	78.99	--
MW-6	9/14/2000	98.62	21.92	NP	--	76.70	--
MW-6	12/14/2000	98.62	22.51	NP	--	76.11	--
MW-6	9/22/2001	98.62	23.31	NP	--	75.31	--
MW-6	12/9/2001	98.62	22.24	NP	--	76.38	--
MW-6	3/20/2002	98.62	21.44	NP	--	77.18	--
MW-6	6/11/2002	98.62	21.90	NP	--	76.72	--
MW-6	12/21/2002	98.62	--	--	--	--	NS
MW-6	3/19/2003	98.62	--	--	--	--	NS
MW-6	6/18/2003	98.62	--	--	--	--	NS
MW-6	9/23/2003	98.62	--	--	--	--	NS
MW-6	10/21/2003	98.62	22.69	NP	--	75.93	--
MW-6	6/29/2004	98.62	22.88	NP	--	75.74	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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	11/15/2004	98.62	24.12	NP	--	74.50	--
MW-6	4/14/2005	98.62	23.75	NP	--	74.87	--
MW-6	12/18/2005	98.62	24.79	NP	--	73.83	--
MW-6	6/11/2006	98.62	23.09	NP	--	75.53	--
MW-6	11/5/2006	98.62	25.80	NP	--	72.82	--
MW-6	9/25/2007	98.62	24.13	NP	--	74.49	--
MW-6	12/31/2007	98.62	23.59	NP	--	75.03	--
MW-6	5/29/2008	98.62	24.21	NP	--	74.41	--
MW-6	10/28/2008	98.62	25.47	NP	--	73.15	--
MW-6	6/22/2009	98.62	25.32	NP	--	73.30	--
MW-6	12/15/2009	98.62	23.33	NP	--	75.29	--
MW-6	5/24/2010	266.06	22.90	NP	--	243.16	--
MW-6	10/12/2010	266.06	23.06	NP	--	243.00	--
MW-6	5/10/2011	266.06	22.01	NP	--	244.05	--
MW-6	11/29/2011	266.06	23.42	NP	--	242.64	--
MW-6	6/1/2012	266.06	22.75	NP	--	243.31	--
MW-6	11/29/2012	266.06	--	--	--	--	NM
MW-6	5/9/2013	266.06	22.82	NP	--	243.24	--
MW-6	11/19/2013	266.06	24.00	NP	--	242.06	--
MW-6	5/13/2014	266.06	22.76	NP	--	243.30	--
MW-6	5/7/2015	266.06	23.71	NP	--	242.35	--
MW-6	6/6/2016	266.06	23.82	NP	--	242.24	--
MW-6	9/12/2016	266.06	25.22	NP	--	240.84	--
MW-6	12/12/2016	266.06	22.66	NP	--	243.40	--
MW-6	2/22/2017	266.06	21.24	NP	--	244.82	--
MW-6	8/29/2017	266.06	24.16	NP	--	241.90	--
MW-6	3/13/2018	265.97	23.04	NP	--	242.93	--
MW-6	10/25/2018	265.97	26.28	NP	--	239.69	--
MW-6	2/20/2019	265.97	13.90	NP	--	252.07	NS
MW-6	2/22/2019	265.97	14.14	NP	--	251.83	--
MW-6	5/14/2019	265.97	25.51	NP	--	240.46	NS
MW-6	8/27/2019	265.97	26.73	NP	--	239.24	--
MW-6	11/26/2019	265.97	26.86	NP	--	239.11	NS
MW-6	3/26/2020	265.97	15.40	NP	--	250.57	--
MW-6	6/2/2020	265.97	15.09	NP	--	250.88	--
MW-6	8/7/2020	265.97	26.00	NP	--	239.97	NS
MW-6	12/10/2020	265.97	14.24	NP	--	251.73	--
MW-6	3/8/2021	265.97	13.52	NP	--	252.45	--
MW-6	6/9/2021	265.97	24.83	NP	--	241.14	--
MW-6	9/13/2021	265.97	26.14	NP	--	239.83	--
MW-6	12/7/2021	265.97	14.09	NP	--	251.88	--
MW-6	3/8/2022	265.97	15.19	NP	--	250.78	--
MW-6	6/22/2022	265.97	15.03	NP	--	250.94	--
MW-7	4/2/1998	97.32	18.79	NP	--	78.53	--
MW-7	6/8/1998	97.32	19.60	NP	--	77.72	--
MW-7	9/17/1998	97.32	20.82	NP	--	76.50	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-7	12/9/1998	97.32	20.21	NP	--	77.11	--
MW-7	3/17/1999	97.32	17.61	NP	--	79.71	--
MW-7	6/26/1999	97.32	19.29	NP	--	78.03	--
MW-7	12/14/2000	97.32	--	--	--	--	--
MW-7	12/9/2001	97.32	--	--	--	--	--
MW-7	3/20/2002	97.32	--	--	--	--	--
MW-7	6/11/2002	97.32	--	--	--	--	--
MW-7	6/18/2003	97.32	--	--	--	--	AB
MW-8	4/2/1998	98.49	19.99	NP	--	78.50	--
MW-8	6/8/1998	98.49	20.39	NP	--	78.10	--
MW-8	9/17/1998	98.49	21.21	NP	--	77.28	--
MW-8	12/9/1998	98.49	21.03	NP	--	77.46	--
MW-8	3/17/1999	98.49	19.03	NP	--	79.46	--
MW-8	6/26/1999	98.49	20.02	NP	--	78.47	--
MW-8	12/14/2000	98.49	--	--	--	--	--
MW-8	12/9/2001	98.49	--	--	--	--	--
MW-8	3/20/2002	98.49	--	--	--	--	--
MW-8	6/11/2002	98.49	--	--	--	--	--
MW-8	6/18/2003	98.49	--	--	--	--	AB
MW-9	10/12/2010	263.35	23.89	NP	--	239.46	--
MW-9	5/10/2011	263.35	20.70	NP	--	242.65	--
MW-9	11/29/2011	263.35	22.64	NP	--	240.71	--
MW-9	6/1/2012	263.35	--	--	--	--	NM
MW-9	11/29/2012	263.35	--	--	--	--	NM
MW-9	5/9/2013	263.35	21.09	NP	--	242.26	--
MW-9	11/19/2013	263.35	22.80	NP	--	240.55	--
MW-9	5/13/2014	263.35	21.39	NP	--	241.96	--
MW-9	5/7/2015	263.35	22.04	NP	--	241.31	--
MW-9	3/2/2016	263.35	22.29	NP	--	241.06	NS
MW-9	6/6/2016	263.35	22.01	NP	--	241.34	NS
MW-9	9/12/2016	263.35	23.43	NP	--	239.92	--
MW-9	2/22/2017	263.35	21.71	NP	--	241.64	NS
MW-9	8/29/2017	263.35	22.47	NP	--	240.88	--
MW-9	3/13/2018	263.35	21.78	NP	--	241.57	NS
MW-9	10/25/2018	263.35	24.61	NP	--	238.74	--
MW-9	2/20/2019	263.35	23.27	NP	--	240.08	--
MW-9	5/13/2019	263.35	23.78	NP	--	239.57	--
MW-9	8/27/2019	263.35	25.09	NP	--	238.26	--
MW-9	11/26/2019	263.35	25.60	NP	--	237.75	--
MW-9	3/26/2020	263.35	23.72	NP	--	239.63	--
MW-9	6/2/2020	263.35	23.76	NP	--	239.59	--
MW-9	8/7/2020	263.35	24.48	NP	--	238.87	--
MW-9	12/10/2020	263.35	24.33	NP	--	239.02	--
MW-9	3/8/2021	263.35	23.00	NP	--	240.35	--
MW-9	6/9/2021	263.35	23.02	NP	--	240.33	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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	9/13/2021	263.35	24.60	NP	--	238.75	--
MW-9	12/7/2021	263.35	23.47	NP	--	239.88	--
MW-10	6/1/2012	268.30	24.20	NP	--	244.10	--
MW-10	11/29/2012	268.30	25.00	NP	--	243.30	--
MW-10	5/9/2013	268.30	24.25	NP	--	244.05	--
MW-10	11/19/2013	268.30	25.80	NP	--	242.50	--
MW-10	5/13/2014	268.30	24.78	NP	--	243.52	--
MW-10	5/7/2015	268.30	24.84	NP	--	243.46	--
MW-10	9/12/2016	268.30	26.52	NP	--	241.78	--
MW-10	8/29/2017	268.30	25.93	NP	--	242.37	--
MW-11	10/25/2018	266.38	26.40	NP	--	239.98	--
MW-11	2/20/2019	266.38	25.49	NP	--	240.89	--
MW-11	5/13/2019	266.38	25.99	NP	--	240.39	--
MW-11	8/27/2019	266.38	26.83	NP	--	239.55	--
MW-11	11/25/2019	266.38	27.13	NP	--	239.25	--
MW-11	3/25/2020	266.38	25.39	NP	--	240.99	--
MW-11	6/2/2020	266.38	25.34	NP	--	241.04	--
MW-11	8/6/2020	266.38	25.79	NP	--	240.59	--
MW-11	12/10/2020	266.38	26.25	NP	--	240.13	--
MW-11	3/8/2021	266.38	24.40	NP	--	241.98	--
MW-11	6/9/2021	266.38	25.12	NP	--	241.26	--
MW-11	9/13/2021	266.38	26.32	NP	--	240.06	--
MW-11	12/7/2021	266.38	25.70	NP	--	240.68	--
MW-12	10/25/2018	266.51	27.39	NP	--	239.12	--
MW-12	2/20/2019	266.51	26.21	NP	--	240.30	--
MW-12	5/13/2019	266.51	26.78	NP	--	239.73	--
MW-12	8/27/2019	266.51	27.82	NP	--	238.69	--
MW-12	11/25/2019	266.51	28.19	NP	--	238.32	--
MW-12	3/26/2020	266.51	26.50	NP	--	240.01	--
MW-12	6/2/2020	266.51	26.53	NP	--	239.98	--
MW-12	8/6/2020	266.51	27.05	NP	--	239.46	--
MW-12	12/10/2020	266.51	27.31	NP	--	239.20	--
MW-12	3/8/2021	266.51	25.32	NP	--	241.19	--
MW-12	6/9/2021	266.51	26.11	NP	--	240.40	--
MW-12	9/13/2021	266.51	27.40	NP	--	239.11	--
MW-12	12/7/2021	266.51	26.55	NP	--	239.96	--
VE-1	4/2/1998	--	--	--	--	--	--
VE-1	9/17/1998	--	--	--	--	--	--
VE-1	12/9/1998	--	--	--	--	--	--
VE-1	3/17/1999	--	--	--	--	--	--
VE-1	6/26/1999	--	--	--	--	--	--
VE-1	9/28/1999	--	--	--	--	--	--
VE-1	3/24/2000	--	--	--	--	--	--

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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
VE-1	7/2/2000	--	--	--	--	--	--
VE-1	9/14/2000	--	--	--	--	--	--
VE-1	12/14/2000	--	23.02	NP	--	--	--
VE-1	9/22/2001	--	24.22	NP	--	--	--
VE-1	12/9/2001	--	23.90	23.83	0.07	--	--
VE-1	3/20/2002	--	23.30	23.25	0.05	--	--
VE-1	6/11/2002	--	23.25	23.14	0.11	--	--
VE-1	12/21/2002	--	24.89	NP	--	--	--
VE-1	3/19/2003	--	24.71	NP	--	--	--
VE-1	6/18/2003	--	24.50	24.45	0.05	--	--
VE-1	9/23/2003	--	25.01	24.98	0.03	--	--
VE-1	10/22/2003	--	24.98	24.81	0.17	--	--
VE-1	6/29/2004	--	25.12	NP	--	--	--
VE-1	11/15/2004	--	25.40	24.79	0.61	--	--
VE-1	4/14/2005	--	26.15	24.84	1.31	--	--
VE-1	12/18/2005	--	26.00	25.65	0.35	--	--
VE-1	6/11/2006	--	26.53	NP	--	--	--
VE-1	11/5/2006	--	26.33	25.88	0.45	--	--
VE-1	9/25/2007	--	25.02	24.88	0.14	--	--
VE-1	12/31/2007	--	--	--	--	--	NS
VE-1	5/29/2008	--	25.63	24.79	0.84	--	--
VE-1	10/28/2008	--	26.07	25.80	0.27	--	--
VE-1	6/22/2009	--	--	--	--	--	Dry
VE-1	12/15/2009	--	26.56	26.50	0.06	--	--
VE-1	5/24/2010	268.17	26.70	NP	--	241.47	NS
VE-1	5/10/2011	268.17	--	--	--	--	NM
VE-1	11/29/2012	268.17	24.05	23.95	0.10	244.20	--
VE-1	5/9/2013	268.17	24.23	NP	--	243.94	NS
VE-1	11/19/2013	268.17	26.35	25.80	0.55	242.26	--
VE-1	5/13/2014	268.17	25.20	24.80	0.40	243.29	--
VE-1	5/7/2015	268.17	25.40	24.79	0.61	243.26	--
VE-1	3/2/2016	268.17	24.99	NP	--	243.18	NS
VE-2	5/7/2015	--	--	--	--	--	Dry
VE-2	3/2/2016	--	13.84	NP	--	--	NS
VE-3	3/2/2016	--	12.99	NP	--	--	NS
VE-4	3/2/2016	--	14.45	NP	--	--	NS
VE-5	3/2/2016	--	14.15	NP	--	--	NS

Table 1
Groundwater Gauging Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

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

Notes:

TOC - Top of Casing

ft - feet (in NAVD 88)

LNAPL - Light Non-Aqueous Phase Liquid

* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.80)

Wells were resurveyed in 2010 and are referenced to vertical datum NAVD 88 and horizontal datum NAD 83/98

-- - No Information Available

NP - No Product

Dry - Well Dry

AB - Well Abandoned

IW - Insufficient volume of water in the well to collect representative sample

NM - Not Measured

NS - Not Sampled

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
Well ID	Date												
GMW-1	5/10/2011	2.4	< 1.0	69.7	94.8	< 1.0	--	--	5,930	1,900	< 420	28.4	--
GMW-1	11/29/2011	< 1.0	< 1.0	86.9	113	--	--	--	6,080	610	< 380	< 10.0	--
GMW-1	5/9/2013	< 1.0	< 1.0	4.4	4.6	< 1.0	--	--	1,010	< 420	< 420	< 10.0	< 10.0
GMW-1	11/19/2013	< 0.50	< 0.70	6.6	6.8	< 0.50	--	--	1,400	2,500	< 73	16.7	1.2
GMW-1	5/14/2014	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	590	560	< 66	< 4.7	< 4.7
GMW-1	5/7/2015	< 0.50	< 0.50	10	10	< 0.50	--	--	1,600	480	< 66	< 4.7	< 4.7
GMW-1	3/2/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	1,400	< 46	< 100	--	--
GMW-1	6/6/2016	< 0.50	< 0.50	5.3	4.0	< 0.50	--	--	3,300	130	< 100	--	--
GMW-1	9/12/2016	< 0.50	< 0.50	32	34	< 0.50	--	--	4,600	210	< 67	--	--
GMW-1	12/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	350	< 50	400	--	--
GMW-1	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	82.2 J	< 82.5	< 165	--	--
GMW-1	8/29/2017	< 0.331	0.480 J	2.45	2.66 J	< 0.367	--	--	2,070	216	104 J	--	--
GMW-1	3/13/2018	< 1.00	< 1.00	0.394 J	< 3.00	< 1.00	--	--	2,500	99.7 J	< 250	--	--
GMW-1	10/25/2018	< 1.00	< 1.00	9.58	12.8	< 1.00	< 0.0100	< 1.00	4,200	9,050	346 J	16.2	14.5
GMW-1	2/20/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	773 B	143 J	< 83.3	< 1.90	< 1.90
GMW-1	5/13/2019	< 0.331	< 0.412	2.36	4.18	< 0.367	< 0.00240	< 0.361	985	771	< 83.3	< 1.90	--
GMW-1	8/27/2019	< 0.0896	< 0.412	12	13.9	< 0.102	< 0.00240	< 0.108	2,750	777	< 167	8.01	--
GMW-1	3/25/2020	0.171 J	< 0.412	1.1	1.06 J	< 0.102	< 0.00240	< 0.108	594	409	< 83.3	< 1.90	--
GMW-1	6/2/2020	< 0.0941	< 0.278	0.216 J	0.210 J	< 0.101	< 0.00536	< 0.0819	1,840	--	--	< 2.95	--
GMW-1	8/6/2020	0.242 J	1.98	4.55	4.15	< 0.101	< 0.00536	< 0.0819	1,400	751	< 83.3	3.04 J	--
GMW-1	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	< 120	< 370	< 10	< 10
GMW-1	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	2,200	420	< 370	< 2.0	< 2.0
GMW-1	9/13/2021	<1.0	<1.0	<1.0	<2.0	<1.0	--	--	700	2,600	<350	3.2	<2.0
GMW-1	12/7/2021	<1.0	<1.0	<1.0	<2.0	<1.0	--	--	590	360	<360	<2.0	<2.0
MW-1	5/11/1993	82	11	8	14	--	--	--	3,300	--	--	--	--
MW-1	3/4/1994	6	3	3	11	--	--	--	830	580	--	38	< 3
MW-1	7/6/1994	5	< 0.5	2	10	--	--	--	900	< 250	--	--	--
MW-1	10/7/1994	6	< 0.5	3	11	--	--	--	1,500	--	--	--	--
MW-1	12/28/1994	5	< 0.5	2	7	--	--	--	1,400	--	--	--	--
MW-1	3/13/1995	16	< 0.5	3	9	--	--	--	1,400	--	--	--	--
MW-1	6/30/1995	4	< 0.5	3	7	--	--	--	1,400	--	--	--	--
MW-1	9/6/1995	5	< 0.5	3	6	--	--	--	1,300	--	--	--	--
MW-1	12/8/1995	7	2	2	7	--	--	--	1,300	--	--	--	--
MW-1	3/11/1996	3	< 0.5	< 0.5	1	--	--	--	900	--	--	--	--
MW-1	6/18/1996	1	1	< 0.5	2	--	--	--	400	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-1	9/9/1996	2	< 0.5	1	1	13	--	--	600	--	--	--	--
MW-1	12/11/1996	4	2	2	4	< 10	--	--	710	--	--	--	--
MW-1	3/13/1997	< 0.5	< 0.5	< 0.5	< 1.0	< 5	--	--	100	--	--	--	--
MW-1	6/5/1997	2	2	< 0.5	< 1.5	5	--	--	250	--	--	--	--
MW-1	9/5/1997	8	4	2	6	8	--	--	300	--	--	--	--
MW-1	4/2/1998	1	3	< 0.5	< 1.5	< 5	--	--	210	--	--	--	--
MW-1	6/8/1998	< 0.5	3	1	4	6	--	--	300	--	--	--	--
MW-1	12/9/1998	< 0.5	< 5.0	< 5.0	< 5.0	< 5.0	--	--	< 500	--	--	--	--
MW-1	6/26/1999	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 100	--	--	--	--
MW-1	1/19/2000	< 0.5	4	1	3	< 0.5	--	--	< 50	--	--	--	--
MW-1	7/2/2000	1	< 0.5	1	2	2	--	--	120	--	--	--	--
MW-1	12/14/2000	< 10	19	< 10	< 30	< 40	--	--	1,700	--	--	--	--
MW-1	10/21/2003	32.5	4.61	17.3	19.2	< 1.00	--	--	3,270	--	--	--	--
MW-1	12/18/2005	10.8	2.04	1.23	2.76	< 1.00	--	--	2,960	--	--	--	--
MW-1	6/11/2006	11.4	1.12	1.6	2.34	19.8	--	--	1,840	--	--	--	--
MW-1	11/5/2006	73.2	6.12	2.04	< 6.00	--	--	--	3,880	--	--	--	--
MW-1	9/25/2007	27.8	1.67	0.86	< 3.00	--	--	--	1,640	--	--	--	--
MW-1	12/31/2007	22.7	1.34	1.03	< 3.00	--	--	--	1,970	--	--	--	--
MW-1	5/29/2008	3.58	0.58	< 0.500	< 3.00	--	--	--	2,370	--	--	--	--
MW-1	10/28/2008	2.8	1.07	< 0.500	< 3.00	--	--	--	1,450	--	--	--	--
MW-1	6/22/2009	30	5.7	24	30.5	--	--	--	2,200	--	--	4.9	< 2.00
MW-1	12/15/2009	11	2	4.8	3.6	--	--	--	1,500	--	--	3.8	< 2.00
MW-1	5/24/2010	18	< 2.5	< 2.5	6.4	--	--	--	940	--	--	--	--
MW-1	10/12/2010	2.8	< 1.0	1.2	< 3.0	5.2	--	--	849	--	--	< 10.0	--
MW-1	5/10/2011	17.8	6.6	1.8	10.9	2.5	--	--	642	840	< 420	< 10.0	--
MW-1	11/29/2011	5.5	< 1.0	< 1.0	< 3.0	--	--	--	815	< 75	< 380	10.3	--
MW-1	6/1/2012	3.6	< 1.0	< 1.0	3.0	7.4	--	--	544	362	< 396	< 10.0	< 10.0
MW-1	11/29/2012	1.2	< 1.0	< 1.0	< 3.0	< 1.0	--	--	1,320	< 430	< 430	11.3	< 3.0
MW-1	5/9/2013	6.3	< 1.0	< 1.0	4.1	1.6	--	--	557	620	< 430	< 10.0	< 10.0
MW-1	11/19/2013	1.9 J	< 0.70	< 0.80	1.7 J	1.5 J	--	--	470	400	320	4.8	0.15 J
MW-1	5/13/2014	1.4	< 0.50	< 0.50	0.57 J	0.67 J	--	--	490	250	110 J	6.9 J	< 4.7
MW-1	5/7/2015	1.2	< 0.50	< 0.50	< 0.50	< 0.50	--	--	610	270	190 J	18.7	7.1 J
MW-1	3/2/2016	1.2	< 0.50	0.77 J	3.0	< 0.50	--	--	460	140	< 110	--	--
MW-1	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	212	447	222 J	--	--
MW-1	8/29/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	526	611	450	--	--
MW-1	3/13/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	--	--	298 B	369	352	--	--
MW-1	2/22/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	369	322	< 1.90	< 1.90

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-1	5/14/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	40.0 J	271	220 J	< 1.90	< 1.90
MW-1	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	104 B	339	131 J	< 1.90	--
MW-1	6/3/2020	< 0.0941	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	160	--	--	< 2.95	--
MW-1	8/6/2020	0.133 J	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	186 B	261	101 J	< 2.95	--
MW-1	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	410	360	< 10	< 10
MW-1	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	510	< 350	< 2.0	< 2.0
MW-1	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	77	1,700	930	< 2.0	< 2.0
MW-1	6/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	630	< 250	< 0.50	< 0.50
MW-2	5/11/1993	2,500	48	100	240	--	--	--	17,000	--	--	--	--
MW-2	3/4/1994	1,500	20	130	180	--	--	--	4,300	1,300	--	5	< 3
MW-2	7/6/1994	1,100	16	53	97	--	--	--	4,400	390	--	--	--
MW-2	10/7/1994	1,100	18	57	82	--	--	--	4,400	--	--	--	--
MW-2	12/28/1994	250	5	13	14	--	--	--	2,100	--	--	--	--
MW-2	3/13/1995	200	12	29	50	--	--	--	2,700	--	--	--	--
MW-2	6/30/1995	400	8	50	39	--	--	--	3,400	--	--	--	--
MW-2	9/6/1995	350	8	50	35	--	--	--	3,400	--	--	--	--
MW-2	12/8/1995	610	5	29	36	--	--	--	3,100	--	--	--	--
MW-2	3/11/1996	280	12	100	120	--	--	--	5,400	--	--	--	--
MW-2	6/18/1996	280	12	130	56	--	--	--	4,500	--	--	--	--
MW-2	9/9/1996	790	5	78	35	< 1.0	--	--	4,100	--	--	--	--
MW-2	12/11/1996	460	13	65	41	43	--	--	3,700	--	--	--	--
MW-2	3/13/1997	140	12	130	48	< 50	--	--	3,200	--	--	--	--
MW-2	6/5/1997	160	22	180	79	< 100	--	--	3,400	--	--	--	--
MW-2	4/2/1998	170	51	35	210	< 50	--	--	4,700	--	--	--	--
MW-2	6/8/1998	420	26	150	75	140	--	--	3,800	--	--	--	--
MW-2	9/17/1998	720	15	79	44	< 5.0	--	--	2,900	--	--	--	--
MW-2	12/9/1998	520	8	100	62	< 5.0	--	--	4,500	--	--	--	--
MW-2	3/17/1999	19	27	300	230	< 5.0	--	--	5,000	--	--	--	--
MW-2	6/26/1999	400	29	160	130	13	--	--	3,400	--	--	--	--
MW-2	9/28/1999	690	20	23	110	87	--	--	7,300	--	--	--	--
MW-2	1/19/2000	920	20	260	74	< 0.5	--	--	8,700	--	--	--	--
MW-2	3/24/2000	310	79	240	97	< 5	--	--	10,000	--	--	--	--
MW-2	7/2/2000	520	35	190	85	49	--	--	8,200	--	--	--	--
MW-2	9/14/2000	1,100	100	110	100	< 5	--	--	14,000	--	--	--	--
MW-2	12/14/2000	740	< 10	68	< 30	< 40	--	--	15,000	--	--	--	--
MW-2	9/22/2001	180	9	240	110	20	--	--	12,000	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-2	12/9/2001	310	9.5	100	96	< 4.0	--	--	14,000	--	--	--	--
MW-2	3/20/2002	250	< 5.0	220	98	280	--	--	15,000	--	--	--	--
MW-2	6/11/2002	290	< 10	160	57	< 40	--	--	13,000	--	--	--	--
MW-2	12/21/2002	111	13.4	211	70.3	148	--	--	5,970	--	--	--	--
MW-2	3/19/2003	79.9	8.71	156	55	< 25.0	--	--	5,270	--	--	--	--
MW-2	6/18/2003	36.7	14.7	245	119	143	--	--	6,770	--	--	--	--
MW-2	9/23/2003	40.5	15.8	179	103	< 20.0	--	--	6,490	--	--	--	--
MW-2	10/21/2003	31.1	9.38	86	61	< 1.00	--	--	4,600	--	--	--	--
MW-2	6/29/2004	17.8	11.2	228	76.5	95.2	--	--	5,550	--	--	--	--
MW-2	11/15/2004	12.3	6.11	135	63.3	< 2.00	--	--	5,670	--	--	--	--
MW-2	4/14/2005	130	2.8	41.8	26.6	< 2.00	--	--	4,680	--	--	--	--
MW-2	12/18/2005	122	3.5	43.9	27.8	< 5.00	--	--	5,700	--	--	--	--
MW-2	6/11/2006	4.48	5.8	118	56.7	< 2.00	--	--	5,450	--	--	--	--
MW-2	11/5/2006	263	< 5.00	46.2	< 30.0	--	--	--	7,490	--	--	--	--
MW-2	9/25/2007	715	9.74	50.8	64	--	--	--	7,530	--	--	--	--
MW-2	12/31/2007	477	10.6	69.3	76.3	--	--	--	6,000	--	--	--	--
MW-2	5/29/2008	648	11.1	55.9	48.4	--	--	--	9,600	--	--	--	--
MW-2	10/28/2008	1,430	16	194	145	--	--	--	10,300	--	--	--	--
MW-2	6/22/2009	1,200	40	100	130	--	--	--	4,800	--	--	< 2.00	< 2.00
MW-2	12/15/2009	1,600	8.2	66	82	--	--	--	4,300	--	--	< 2.00	< 2.00
MW-2	5/24/2010	320	7.7	69	84	--	--	--	4,200	--	--	--	--
MW-2	10/12/2010	1,890	14.8	54.8	39.7	15.5	--	--	3,590	--	--	< 10.0	--
MW-2	5/10/2011	281	4.2	69.9	49.9	7.3	--	--	5,520	1,000	2,000	< 10.0	--
MW-2	11/29/2011	549	7.0	82.6	61.6	--	--	--	5,640	98	< 380	< 10.0	--
MW-2	6/1/2012	107	12.7	64.2	46.1	5.0	--	--	2,940	2,240	3,080	10.0	< 10.0
MW-2	11/29/2012	399	10.2	187	154	14.7	--	--	10,400	2,100	760	7.7	3.2
MW-2	5/9/2013	42.9	6.2	115	35.4	< 5.0	--	--	3,660	1,700	< 400	12.3	< 10.0
MW-2	11/19/2013	7.3	4.4 J	17	40	6.3	--	--	1,400	280	100 J	9.8	3.2
MW-2	5/13/2014	79	3.3 J	58	20	6.0	--	--	3,100	1,800	880	6.6 J	< 4.7
MW-2	5/7/2015	33	6.1	91	32	2.4	--	--	2,700	1,900	690	34.1	< 4.7
MW-2	3/2/2016	54	5.3 J	94	26	< 5.0	--	--	5,100	1,600	< 100	--	--
MW-2	6/6/2016	43	4.9	92	21	1.1 J	--	--	5,000	880	790	--	--
MW-2	9/12/2016	130	6.5	83	20	2.2	--	--	5,000	710	660	--	--
MW-2	12/12/2016	4.1	0.74 J	12	10	< 0.50	--	--	1,000	590	< 110	--	--
MW-2	2/22/2017	< 0.331	< 0.412	2.06	2.08 J	< 0.367	--	--	1,310	1,370	321 J	--	--
MW-2	8/29/2017	27.4	10.7	90.9	29.4	< 0.367	--	--	10,000	1,070	242 J	--	--
MW-2	3/13/2018	7.65	11.5	90.0	14.6	< 1.00	--	--	3,110	2,360	742	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-2	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	171 B	788	444	25.5	0.623 J
MW-2	2/20/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	85.8 BJ	199 J	175 J	< 1.90	< 1.90
MW-2	5/14/2019	1.45	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	40.0 J	250	197 J	< 1.90	--
MW-2	11/26/2019	0.883 J	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	256 B	414	706	79.2	< 1.90
MW-2	3/26/2020	1.39	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	134 B	2,400	456	8.84	--
MW-2	6/3/2020	0.307 J	< 0.278	0.337 J	1.52 J	< 0.101	< 0.00536	< 0.0819	3,320	--	--	8.7	--
MW-2	8/7/2020	0.910 J	349 J	0.452 J	1.36 J	< 0.101	< 0.00536	< 0.0819	377 B	4,300	431	< 2.95	--
MW-2	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	590	190	< 350	< 4.0	< 4.0
MW-2	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	300	< 370	< 10	< 10
MW-2	6/9/2021	1.3	< 1.0	< 1.0	< 2.0	< 1.0	--	--	410	1,200	< 350	< 2.0	< 2.0
MW-2	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	220	420	< 2.0	< 2.0
MW-2	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	140	< 380	< 2.0	< 2.0
MW-2	6/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 260	< 0.50	< 0.50
MW-3	6/7/1993	140	7	13	14	--	--	--	2,200	--	--	--	--
MW-3	3/4/1994	99	2	11	10	--	--	--	1,200	590	--	4	< 3
MW-3	7/6/1994	44	6	26	27	--	--	--	1,500	270	--	--	--
MW-3	10/7/1994	63	4	16	13	--	--	--	1,500	--	--	--	--
MW-3	12/28/1994	77	3	13	9	--	--	--	1,800	--	--	--	--
MW-3	3/13/1995	87	4	18	10	--	--	--	1,700	--	--	--	--
MW-3	6/30/1995	90	3	52	13	--	--	--	1,800	--	--	--	--
MW-3	9/6/1995	96	3	41	14	--	--	--	1,700	--	--	--	--
MW-3	12/8/1995	73	4	23	15	--	--	--	1,800	--	--	--	--
MW-3	3/11/1996	120	11	170	36	--	--	--	2,800	--	--	--	--
MW-3	6/18/1996	150	18	320	59	--	--	--	3,500	--	--	--	--
MW-3	9/9/1996	62	16	220	96	15	--	--	3,500	--	--	--	--
MW-3	12/11/1996	96	9	< 0.5	34	< 10	--	--	2,100	--	--	--	--
MW-3	3/13/1997	97	13	250	65	< 50	--	--	3,100	--	--	--	--
MW-3	6/5/1997	46	19	250	130	< 100	--	--	3,900	--	--	--	--
MW-3	9/5/1997	98	29	270	140	< 5	--	--	4,400	--	--	--	--
MW-3	4/2/1998	80	25	320	150	< 50	--	--	3,700	--	--	--	--
MW-3	6/8/1998	60	22	240	96	< 50	--	--	3,500	--	--	--	--
MW-3	12/9/1998	63	9	170	59	< 5.0	--	--	3,200	--	--	--	--
MW-3	6/26/1999	72	16	270	52	56	--	--	3,100	--	--	--	--
MW-3	1/19/2000	72	29	430	110	< 0.5	--	--	5,700	--	--	--	--
MW-3	7/2/2000	35	18	230	64	7	--	--	3,300	--	--	--	--
MW-3	12/14/2000	40	< 10	210	< 30	< 40	--	--	5,500	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-3	12/9/2001	42	4.1	77	22	< 4.0	--	--	4,200	--	--	--	--
MW-3	6/11/2002	77	< 5.0	320	54	< 20	--	--	8,400	--	--	--	--
MW-3	12/21/2002	37.7	3.31	68.6	18.3	39.3	--	--	3,440	--	--	--	--
MW-3	6/18/2003	39.1	4.22	113	30.3	62.6	--	--	4,020	--	--	--	--
MW-3	10/21/2003	19.8	2.92	31.2	16.3	< 1.00	--	--	3,190	--	--	--	--
MW-3	11/15/2004	15.8	2.36	20.9	11.1	2.36	--	--	3,170	--	--	--	--
MW-3	4/14/2005	17.1	5.21	14.3	11.2	< 2.00	--	--	3,340	--	--	--	--
MW-3	12/18/2005	15.1	2.92	20.7	15.1	< 1.00	--	--	4,150	--	--	--	--
MW-3	6/11/2006	20.9	3.6	30	21.3	1.11	--	--	4,000	--	--	--	--
MW-3	11/5/2006	16.8	2.85	19	16.6	--	--	--	4,970	--	--	--	--
MW-3	9/25/2007	18.2	2.34	17.1	13.8	--	--	--	4,530	--	--	--	--
MW-3	12/31/2007	16.5	2.38	32.7	16.1	--	--	--	4,490	--	--	--	--
MW-3	5/29/2008	16.5	1.83	14.4	15	--	--	--	5,350	--	--	--	--
MW-3	10/28/2008	14.4	1.86	13.8	10.3	--	--	--	3,250	--	--	--	--
MW-3	6/22/2009	15	1.7	35	7.3	--	--	--	2,000	--	--	< 2.00	< 2.00
MW-3	12/15/2009	13	1.5	28	7.3	--	--	--	2,100	--	--	7.7	< 2.00
MW-3	5/24/2010	29	6.2	28	19	--	--	--	2,300	--	--	--	--
MW-3	10/12/2010	31.1	< 1.0	16.6	4.7	< 1.0	--	--	2,380	--	--	< 10.0	--
MW-3	5/10/2011	33.6	1.2	57.5	7.9	2.4	--	--	3,280	820	840	< 10.0	--
MW-3	11/29/2011	30.4	< 1.0	21.0	6.9	--	--	--	3,130	< 76	< 380	< 10.0	--
MW-3	6/1/2012	29.0	< 1.0	35.9	7.6	2.6	--	--	2,360	512	446	< 10.0	< 10.0
MW-3	11/29/2012	3.2	1.9	40.7	10.6	1.8	--	--	2,320	670	500	4.1	< 3.0
MW-3	5/9/2013	32.8	4.2	98.3	13.9	2.7	--	--	2,850	610	< 420	< 10.0	< 10.0
MW-3	11/19/2013	3.5 J	< 0.70	3.4 J	1.3 J	0.68 J	--	--	380	620	340	3.2	0.47 J
MW-3	5/13/2014	8.4	0.94 J	17	3.7	1.1	--	--	1,100	710	700	< 4.7	< 4.7
MW-3	5/7/2015	9.9	< 0.50	10	2.1	1.2	--	--	1,800	430	440	< 4.7	< 4.7
MW-3	3/2/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 48	150 J	--	--
MW-3	6/6/2016	1.4	< 0.50	0.78 J	< 0.50	< 0.50	--	--	500	110	180 J	--	--
MW-3	9/12/2016	4.3	< 0.50	2.1	< 0.50	< 0.50	--	--	1,200	100	< 67	--	--
MW-3	12/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	53 J	210	140 J	--	--
MW-3	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	245	254	< 165	--	--
MW-3	8/29/2017	3.87	0.434 J	3.82	1.78 J	< 0.367	--	--	1,310	383	238 J	--	--
MW-3	3/13/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	--	--	52.8 B J	79.1 J	115 J	--	--
MW-3	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	35.6 B J	69.3 J	< 250	0.868 B J	0.602 J
MW-3	5/14/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	71.9 J	101 J	< 1.90	--
MW-3	11/25/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00245	< 0.361	63.6 BJ	< 66.7	276	2.06 J	--
MW-3	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	101 J	94.3 J	< 1.90	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-3	8/7/2020	< 0.0941	< 0.278	< 0.137	1.44 J	< 0.101	< 0.00536	< 0.0819	66.5 BJ	109 J	101 J	< 2.95	--
MW-3	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-3	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	120	< 360	< 10	< 10
MW-3	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	120	< 350	< 2.0	< 2.0
MW-3	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	140	< 350	< 2.0	< 2.0
MW-3	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	110	< 360	< 2.0	< 2.0
MW-3	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	< 110	< 360	< 2.0	< 2.0
MW-3	6/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 250	< 0.50	< 0.50
MW-4	5/11/1993	8,700	4,000	57	3,200	--	--	--	31,000	--	--	--	--
MW-4	3/17/1999	12,000	17,000	1,800	10,000	< 50	--	--	100,000	--	--	--	--
MW-4	9/28/1999	27,000	65,000	18,000	100,000	< 1000	--	--	97,000	--	--	--	--
MW-4	1/19/2000	22,000	18,000	2,400	15,000	< 5	--	--	100,000	--	--	--	--
MW-4	3/24/2000	13,000	18,000	2,200	13,000	< 5	--	--	100,000	--	--	--	--
MW-4	7/2/2000	13,000	17,000	1,800	10,000	220	--	--	92,000	--	--	--	--
MW-4	9/14/2000	22,000	27,000	6,900	23,000	< 5	--	--	160,000	--	--	--	--
MW-4	12/9/2001	12,000	10,000	1,900	8,800	< 40	--	--	110,000	--	--	--	--
MW-4	3/20/2002	13,000	19,000	2,500	13,000	360	--	--	100,000	--	--	--	--
MW-4	6/11/2002	13,000	17,000	2,300	12,000	< 400	--	--	95,000	--	--	--	--
MW-4	9/23/2003	7,140	8,980	1,270	8,820	< 50.0	--	--	75,900	--	--	--	--
MW-4	10/21/2003	3,190	6,370	779	6,160	< 500	--	--	44,700	--	--	--	--
MW-4	6/29/2004	11,200	16,300	3,550	22,600	2,500	--	--	378,000	--	--	--	--
MW-4	12/18/2005	9,430	12,800	2,000	13,500	< 100	--	--	214,000	--	--	--	--
MW-4	6/11/2006	13,000	18,200	2,300	14,000	< 1000	--	--	117,000	--	--	--	--
MW-4	11/5/2006	6,950	10,500	2,070	13,500	--	--	--	120,000	--	--	--	--
MW-4	12/12/2016	120	37	57	1,000	< 2.5	--	--	25,000	2,100	380	--	--
MW-4	3/26/2020	162	209	130	1,670	< 5.10	< 0.00240	< 5.40	17,400	11,200	439	204	53.5
MW-4	3/8/2021	80	530	330	3,300	< 1.0	--	< 1.0	23,000	7,700	1,600	74	24
MW-4	6/9/2021	85	120	130	1,800	< 1.0	--	--	15,000	13,000	2,000	82	29
MW-4	12/7/2021	61	73	130	2,300 H	< 1.0	--	--	19,000	11,000	1,900	220	110
MW-4	3/8/2022	1.6	< 1.0	6.3	61	< 1.0	--	--	950	760	630	74	46
MW-4	6/22/2022	15	10	45	340	< 1.0	--	--	6,800	7,000	< 260	110	48
MW-5	5/11/1993	130	25	23	22	--	--	--	1,800	--	--	--	--
MW-5	3/4/1994	26	6	11	8	--	--	--	710	420	--	27	< 3
MW-5	7/6/1994	11	3	1	4	--	--	--	400	< 250	--	--	--
MW-5	10/7/1994	13	4	2	4	--	--	--	510	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-5	12/28/1994	46	13	20	22	--	--	--	1,300	--	--	--	--
MW-5	3/13/1995	34	8	40	28	--	--	--	2,800	--	--	--	--
MW-5	6/30/1995	50	11	12	15	--	--	--	1,100	--	--	--	--
MW-5	9/6/1995	42	14	30	18	--	--	--	1,100	--	--	--	--
MW-5	12/8/1995	32	7	42	62	--	--	--	1,700	--	--	--	--
MW-5	3/11/1996	85	9	210	140	--	--	--	8,100	--	--	--	--
MW-5	6/18/1996	100	17	88	25	--	--	--	2,700	--	--	--	--
MW-5	9/9/1996	180	29	100	27	< 1.0	--	--	2,200	--	--	--	--
MW-5	12/11/1996	110	18	96	250	12	--	--	4,900	--	--	--	--
MW-5	3/13/1997	190	35	190	73	< 50	--	--	5,500	--	--	--	--
MW-5	6/5/1997	290	42	200	37	< 100	--	--	4,100	--	--	--	--
MW-5	9/5/1997	420	83	190	730	< 50	--	--	3,100	--	--	--	--
MW-5	4/2/1998	470	89	340	83	< 50	--	--	5,400	--	--	--	--
MW-5	6/8/1998	360	110	220	66	71	--	--	4,200	--	--	--	--
MW-5	12/9/1998	170	41	120	120	< 1.0	--	--	4,900	--	--	--	--
MW-5	6/26/1999	180	82	210	24	8	--	--	3,300	--	--	--	--
MW-5	1/19/2000	480	350	370	87	< 0.5	--	--	6,500	--	--	--	--
MW-5	7/2/2000	390	110	290	54	20	--	--	6,100	--	--	--	--
MW-5	12/14/2000	26	< 10	< 10	< 30	< 40	--	--	4,000	--	--	--	--
MW-5	12/9/2001	51	< 10	120	140	< 10	--	--	12,000	--	--	--	--
MW-5	6/11/2002	94	21	110	24	< 20	--	--	5,700	--	--	--	--
MW-5	12/21/2002	6.32	2.95	6.59	11.1	5.88	--	--	1,300	--	--	--	--
MW-5	6/18/2003	7.18	1.95	12	24.7	6	--	--	1,950	--	--	--	--
MW-5	10/21/2003	1.18	2.19	0.732	3.38	< 1.00	--	--	322	--	--	--	--
MW-5	6/29/2004	5.4	3.24	4.79	14.1	6.95	--	--	1,180	--	--	--	--
MW-5	11/15/2004	0.74	< 0.500	< 0.500	< 1.00	< 2.00	--	--	399	--	--	--	--
MW-5	4/14/2005	14.3	13.4	33.9	40	< 2.00	--	--	2,900	--	--	--	--
MW-5	12/18/2005	2.49	2.43	3.58	5.11	< 1.00	--	--	661	--	--	--	--
MW-5	6/11/2006	6.08	1.05	2.78	3.1	< 1.00	--	--	2,830	--	--	--	--
MW-5	11/5/2006	1.41	0.78	1.29	< 3.00	--	--	--	723	--	--	--	--
MW-5	9/25/2007	1.86	0.53	0.77	< 3.00	--	--	--	712	--	--	--	--
MW-5	12/31/2007	9.4	11.3	38.1	75.7	--	--	--	7,190	--	--	--	--
MW-5	5/29/2008	7.47	9.12	15.7	23.7	--	--	--	2,740	--	--	--	--
MW-5	10/28/2008	2.01	1.46	< 0.500	3.48	--	--	--	516	--	--	--	--
MW-5	6/22/2009	36	24	87	49.9	--	--	--	4,800	--	--	23	--
MW-5	12/15/2009	24	19	29	23	--	--	--	2,300	--	--	12	11
MW-5	5/24/2010	59	8.4	96	41	--	--	--	4,200	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-5	10/12/2010	31.4	2.6	12.7	4.8	< 1.0	--	--	2,320	--	--	< 10.0	--
MW-5	5/10/2011	12.4	4.1	39.3	25.5	< 1.0	--	--	4,710	470	< 400	< 10.0	--
MW-5	11/29/2011	12.3	2.2	6.4	3.1	--	--	--	2,210	95	< 380	10.5	--
MW-5	6/1/2012	13.3	3.0	9.6	10.7	< 1.0	--	--	1,620	1,040	< 392	< 10.0	< 10.0
MW-5	11/29/2012	18.0	8.0	61.7	28.2	< 1.0	--	--	4,160	1,100	< 440	42.5	< 3.0
MW-5	5/9/2013	19.0	6.7	48.3	18.5	< 1.0	--	--	3,470	< 400	< 400	< 10.0	< 10.0
MW-5	11/19/2013	24	5.7	17	6.3	< 0.50	--	--	1,800	240	660	6.7	1.3
MW-5	5/13/2014	17	7.5	69	23	< 0.50	--	--	4,400	440	370	16.2	9.2 J
MW-5	5/7/2015	11	4.8	32	12	< 0.50	--	--	2,800	240	260	18.4	5.2 J
MW-5	3/2/2016	4.5	2.8	24	13	< 0.50	--	--	4,100	320	530	--	--
MW-5	6/6/2016	6.9	4.4	23	15	< 0.50	--	--	5,300	310	620	--	--
MW-5	12/12/2016	1.7	1.8	9.0	4.5	< 0.50	--	--	4,300	17,000	< 540	--	--
MW-5	2/22/2017	0.572 J	< 0.412	1.39	1.10 J	< 0.367	--	--	3,440	9,890	204 J	--	--
MW-5	8/29/2017	7.48	1.60	6.01	11.1	< 0.367	--	--	1,810	7,040	432	--	--
MW-5	3/13/2018	< 1.00	< 1.00	0.544 J	< 3.00	< 1.00	--	--	356 B	1,440	216 J	--	--
MW-5	5/14/2019	0.403 J	< 0.412	< 0.384	5.45	< 0.367	< 0.00240	< 0.361	54.5 J	1,120	122 J	--	--
MW-5	3/25/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	300	108 J	21.2	3.84 J
MW-5	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	170	< 360	< 10	< 10
MW-5	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	270	< 360	6.8	< 2.0
MW-6	9/5/1997	< 0.5	19	6	15	32	--	--	930	--	--	--	--
MW-6	4/2/1998	< 0.5	10	3	11	6	--	--	600	--	--	--	--
MW-6	6/8/1998	< 0.5	6	2	5	10	--	--	430	--	--	--	--
MW-6	12/9/1998	< 1.0	< 1.0	1	3	2	--	--	260	--	--	--	--
MW-6	1/19/2000	< 0.5	< 0.5	6	10	7	--	--	330	--	--	--	--
MW-6	12/14/2000	< 10	< 10	< 10	< 30	< 40	--	--	1,000	--	--	--	--
MW-6	10/21/2003	10	3.66	0.898	5.03	< 1.00	--	--	254	--	--	--	--
MW-6	6/29/2004	6.8	1.73	< 0.500	5.65	6.35	--	--	540	--	--	--	--
MW-6	11/15/2004	43.5	14.5	0.58	10.4	< 2.00	--	--	370	--	--	--	--
MW-6	4/14/2005	6.39	0.95	< 0.500	3.75	< 2.00	--	--	443	--	--	--	--
MW-6	12/18/2005	< 0.500	< 0.500	< 0.500	3.01	< 1.00	--	--	694	--	--	--	--
MW-6	6/11/2006	< 0.500	< 0.500	< 0.500	< 3.00	< 1.00	--	--	601	--	--	--	--
MW-6	11/5/2006	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	444	--	--	--	--
MW-6	9/25/2007	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	321	--	--	--	--
MW-6	12/31/2007	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	168	--	--	--	--
MW-6	5/29/2008	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	1,620	--	--	--	--
MW-6	10/28/2008	< 0.500	< 0.500	< 0.500	< 3.00	--	--	--	481	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-6	6/22/2009	< 1.00	< 1.00	< 1.00	< 3.00	--	--	--	< 50.0	--	--	< 2.00	< 2.00
MW-6	12/15/2009	< 1.00	< 1.00	< 1.00	< 2.00	--	--	--	190	--	--	< 2.00	< 2.00
MW-6	5/24/2010	8.1	< 2.5	< 2.5	< 5.0	--	--	--	280	--	--	--	--
MW-6	10/12/2010	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	--	--	< 10.0	--
MW-6	5/10/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	96.0	180	< 390	< 10.0	--
MW-6	11/29/2011	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	< 50.0	< 78	< 390	< 10.0	--
MW-6	6/1/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	124	< 76.9	< 385	< 10.0	< 10.0
MW-6	5/9/2013	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	216	< 400	< 400	< 10.0	< 10.0
MW-6	11/19/2013	< 0.50	< 0.70	< 0.80	< 0.80	< 0.50	--	--	130 J	31 J	< 71	0.97 J	0.12 J
MW-6	5/13/2014	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	120 J	80 J	180 J	< 4.7	< 4.7
MW-6	5/7/2015	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 28	< 65	< 4.7	< 4.7
MW-6	6/6/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 46	< 100	--	--
MW-6	9/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	140	280	--	--
MW-6	12/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 47	< 100	--	--
MW-6	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	33.5 J	< 82.5	< 165	--	--
MW-6	8/29/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	160	< 139	183 J	--	--
MW-6	3/13/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	--	--	40.0 B J	< 200	< 250	--	--
MW-6	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	< 100	73.4 J	< 250	< 2.00	< 2.00
MW-6	2/22/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	76.5 J	214 J	< 1.90	< 1.90
MW-6	8/27/2019	< 0.0896	< 0.412	< 0.158	< 1.06	< 0.367	< 0.00245	< 1.00	< 31.6	79.6 J	85.9 J	3.18 J	--
MW-6	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	73.9 J	152 J	< 1.90	--
MW-6	6/2/2020	< 0.0941	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	< 31.6	--	--	< 2.95	--
MW-6	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-6	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	< 110	< 360	< 10	< 10
MW-6	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	--	--	--	--
MW-6	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 350	< 2.0	< 2.0
MW-6	12/7/2021	< 1.0	< 1.0	< 1.0	3.5	< 1.0	--	--	< 250	< 110	< 350	< 2.0	< 2.0
MW-6	3/8/2022	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 50	250	400	< 2.0	< 2.0
MW-6	6/22/2022	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	< 250	< 100	< 260	< 0.50	< 0.50
MW-7	4/2/1998	< 5	35	480	1,100	< 50	--	--	13,100	--	--	--	--
MW-7	6/8/1998	< 5.0	40	420	810	63	--	--	12,000	--	--	--	--
MW-7	12/9/1998	< 5.0	26	360	610	11	--	--	9,600	--	--	--	--
MW-7	6/26/1999	11	24	410	600	< 5.0	--	--	8,300	--	--	--	--
MW-8	4/2/1998	< 0.5	1	< 0.5	< 1.5	< 5	--	--	< 100	--	--	--	--
MW-8	6/8/1998	< 0.5	1	2	< 1.5	< 5.0	--	--	< 100	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-8	12/9/1998	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	--	--	< 500	--	--	--	--
MW-8	6/26/1999	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	--	--	< 500	--	--	--	--
MW-9	10/12/2010	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	--	--	< 10.0	--
MW-9	5/10/2011	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	160	< 420	< 10.0	--
MW-9	11/29/2011	< 1.0	< 1.0	< 1.0	< 3.0	--	--	--	< 50.0	< 76	< 380	< 10.0	--
MW-9	5/9/2013	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 400	< 400	< 10.0	< 10.0
MW-9	11/19/2013	< 0.50	< 0.70	< 0.80	< 0.80	< 0.50	--	--	< 50	49 J	< 75	1.0	0.090 J
MW-9	5/13/2014	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 29	< 67	< 4.7	< 4.7
MW-9	5/7/2015	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	28 J	< 65	< 4.7	< 4.7
MW-9	9/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	190	170 J	--	--
MW-9	8/29/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	52.9 J	115 J	101 J	--	--
MW-9	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0101	< 1.00	78.3 BJ	217	140 J	0.299 B J	< 2.00
MW-9	2/20/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	36.7 BJ	116 J	120 J	< 1.90	< 1.90
MW-9	5/13/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	220	107 J	< 1.90	--
MW-9	8/27/2019	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	107 J	98.9 J	< 1.90	--
MW-9	11/26/2019	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	47 BJ	108 J	227 J	< 1.90	--
MW-9	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	190 J	199 J	< 1.90	--
MW-9	6/2/2020	< 0.0941	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	< 31.6	--	--	< 2.95	--
MW-9	8/7/2020	< 0.0941	< 0.278	< 0.137	< 0.174	< 0.101	< 0.00536	< 0.0819	< 31.6	216	110 J	< 2.95	--
MW-9	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-9	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	< 120	< 370	< 10	< 10
MW-9	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	210	< 360	< 2.0	< 2.0
MW-9	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	170	< 360	< 2.0	< 2.0
MW-9	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	< 110	< 360	< 2.0	< 2.0
MW-10	6/1/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 50.0	< 76.9	< 385	< 10.0	< 10.0
MW-10	11/29/2012	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 420	< 420	20.4	< 3.0
MW-10	5/9/2013	< 1.0	< 1.0	< 1.0	< 3.0	< 1.0	--	--	< 100	< 400	< 400	< 10.0	< 10.0
MW-10	11/19/2013	< 0.50	< 0.70	< 0.80	< 0.80	< 0.50	--	--	66 J	< 34	< 78	12.8	< 0.085
MW-10	5/13/2014	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 50	< 28	< 66	< 4.7	< 4.7
MW-10	5/7/2015	< 0.50	< 0.50	0.81 J	7.1	< 0.50	--	--	150 J	75 J	150 J	6.3 J	< 4.7
MW-10	9/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	130 J	< 29	< 68	--	--
MW-10	8/29/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	< 31.6	78.2 J	126 J	--	--
MW-11	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	170 B	343	419	1.09 B J	0.582 J
MW-11	2/20/2019	< 0.331	< 0.412	< 0.384	< 1.06	1.04	< 0.00240	< 0.361	132 B	354	466	< 1.90	< 1.90

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
MW-11	5/13/2019	< 0.331	< 0.412	< 0.384	< 1.06	0.674 J	< 0.00240	< 0.361	40.1 J	423	308	< 1.90	--
MW-11	8/27/2019	< 0.0896	< 0.412	< 0.158	< 0.316	0.818	< 0.00240	< 0.108	< 31.6	227	295	2.51 J	--
MW-11	11/25/2019	< 0.0896	< 0.412	< 0.158	< 0.316	0.771	< 0.00240	< 0.108	137 B	220	408	< 1.90	--
MW-11	3/25/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	75.1 BJ	747	131 J	< 1.90	--
MW-11	6/2/2020	< 0.0941	< 0.278	< 0.137	< 0.174	0.229 J	< 0.00536	< 0.0819	91.5 J	--	--	3.23 J	--
MW-11	8/6/2020	< 0.0941	< 0.278	< 0.137	< 0.174	0.266 J	< 0.00536	< 0.0819	85.2 BJ	289	317	< 2.95	--
MW-11	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
MW-11	3/8/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	< 1.0	< 250	840	< 370	< 10	< 10
MW-11	6/9/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	390	< 350	< 2.0	< 2.0
MW-11	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	370	390	< 2.0	< 2.0
MW-11	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	< 250	540	480	< 2.0	< 2.0
MW-12	10/25/2018	1.17	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	867	705	189 J	1.00 B J	< 2.00
MW-12	2/20/2019	4.91	< 0.412	2.81	2.54 J	< 0.367	< 0.00240	< 0.361	3,370	486	206 J	< 1.90	< 1.90
MW-12	5/13/2019	3.79	< 0.412	0.457 J	< 1.06	< 0.367	< 0.00240	< 0.361	1,320	394	198 J	< 1.90	--
MW-12	8/27/2019	3.11	< 0.412	0.705	0.404 J	< 0.102	< 0.00245	< 0.108	260	404	192 J	< 1.90	--
MW-12	11/25/2019	2.79	< 0.412	1.06	0.464 J	< 0.102	< 0.00240	< 0.108	855	349	183 J	25.8	< 1.90
MW-12	3/26/2020	1.18	< 0.412	0.844	0.318 J	< 0.102	< 0.00240	< 0.108	300 B	1,710	281	< 1.90	--
MW-12	6/2/2020	0.872	< 0.278	2.35	0.526 J	< 0.101	< 0.00536	< 0.0819	917	--	--	< 2.95	--
MW-12	8/6/2020	0.644 J	< 0.278	0.500 J	0.448 J	< 0.101	< 0.00536	< 0.0819	268 J	1,630	317	< 2.95	--
MW-12	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	290	400	< 350	< 4.0	< 4.0
MW-12	3/8/2021	< 1.0 F1F2	< 1.0 F1F2	18 F1	< 2.0 F1F2	< 1.0 F1F2	--	< 1.0 F1F2	1,600	2,500	< 360	< 10 F1	< 10
MW-12	6/9/2021	< 1.0	< 1.0	2.2	< 2.0	< 1.0	--	--	530	3,000	390	< 2.0	< 2.0
MW-12	9/13/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	430	2,700	370	< 2.0	< 2.0
MW-12	12/7/2021	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	--	--	440	2,700	420	< 2.0	< 2.0
VE-1	4/2/1998	3,900	2,300	820	4,500	< 2500	--	--	60,500	--	--	--	--
VE-1	9/17/1998	2,700	2,000	1,400	7,700	< 100	--	--	240,000	--	--	--	--
VE-1	12/9/1998	2,200	1,400	770	3,700	< 25	--	--	73,000	--	--	--	--
VE-1	3/17/1999	4,000	2,400	790	4,100	< 25	--	--	42,000	--	--	--	--
VE-1	6/26/1999	3,800	2,600	670	3,500	< 100	--	--	42,000	--	--	--	--
VE-1	9/28/1999	3,400	2,000	630	3,000	< 25	--	--	25,000	--	--	--	--
VE-1	3/24/2000	3,200	610	27	3,600	< 5	--	--	31,000	--	--	--	--
VE-1	7/2/2000	3,200	1,900	620	3,000	130	--	--	27,000	--	--	--	--
VE-1	9/14/2000	3,200	2,200	920	3,000	< 5	--	--	29,000	--	--	--	--
VE-1	12/14/2000	2,400	1,300	580	2,600	< 40	--	--	28,000	--	--	--	--
VE-1	12/9/2001	1,300	880	510	2,400	< 40	--	--	24,000	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		B	T	E	X	MTBE	EDB	EDC	TPH-G	TPH-D	TPH-O	Total Lead	Dissolved Lead
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS		5	1000	700	1000	20	0.01	5	800	500	500	15	15
VE-1	3/20/2002	1,800	1,300	560	2,400	280	--	--	52,000	--	--	--	--
VE-1	6/11/2002	2,800	1,600	650	2,900	< 80	--	--	26,000	--	--	--	--
VE-1	12/21/2002	1,630	1,150	741	3,660	< 200	--	--	25,900	--	--	--	--
VE-1	3/19/2003	1,590	1,450	743	3,640	< 250	--	--	27,100	--	--	--	--
VE-1	6/18/2003	2,190	1,710	929	5,230	79.8	--	--	37,000	--	--	--	--
VE-1	9/23/2003	1,620	1,270	704	3,500	< 20.0	--	--	28,300	--	--	--	--
VE-1	10/22/2003	3,360	1,850	847	4,130	< 50.0	--	--	36,700	--	--	--	--
VE-1	6/29/2004	8,070	7,030	2,230	10,400	820	--	--	192,000	--	--	--	--
VE-1	11/15/2004	5,680	6,280	3,430	17,600	< 100	--	--	99,900	--	--	--	--
VE-1	4/14/2005	3,120	3,300	1,210	5,560	< 40.0	--	--	39,600	--	--	--	--
VE-1	12/18/2005	6,140	5,850	1,400	6,750	< 100	--	--	142,000	--	--	--	--
VE-1	6/11/2006	7,200	8,100	3,900	25,100	< 500	--	--	68,300	--	--	--	--
VE-1	11/5/2006	3,780	4,320	1,190	6,390	--	--	--	60,500	--	--	--	--

Notes:

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes, Total

MTBE = Methyl-tertiary-butyl ether

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

EDB = Ethylene dibromide

EDC = 1,2-Dichloroethane

1,000/800¹ 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

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

B = The same analyte is found in the associated blank.

F1 = MS and/or MSD recovery exceeds control limits

F2 = MS/MSD RPD exceeds control limits

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

Table 3
PAH Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)-anthracene	Benzo(a)pyrene	Benzo(b)-fluoranthene	Benzo(g,h,i)-perylene	Benzo(k)-fluoranthene	Chrysene	Dibenzo(a,h)-anthracene	Fluoranthene	Fluorene	Indeno-(1,2,3-cd)pyrene	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes	Phenanthrene	Pyrene	Total Polynuclear Aromatic Hydrocarbons
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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS						0.1									160			160			0.1
Well ID	Date																				
GMW-1	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	7.4	1.8	4	13.2	--	--	< 0.00755
GMW-1	3/2/2016	--	--	--	0.043 J	0.029 J	0.022 J	--	0.031 J	0.071	0.061	--	--	0.032 J	< 0.030	0.079	0.17	0.264	--	--	0.04861
GMW-1	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2	0.53	1.1	3.83	--	--	--
GMW-1	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	7.1	1.4	2.8	11.3	--	--	< 0.00717
GMW-1	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	6.8	1.4	2.8	11	--	--	< 0.00717
GMW-1	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.0121 J	0.024 J	< 0.046	--	--	< 0.007783
GMW-1	5/13/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.377	0.0625 J	0.0189 J	0.4584	--	--	< 0.007783
GMW-1	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.642	0.0389 J	0.140 J	0.8209	--	--	< 0.007783
GMW-1	3/25/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.200 BJ	0.0274 J	0.0130 J	0.24	--	--	< 0.007783
GMW-1	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.108 J	< 0.0687	< 0.0674	< 0.176	--	--	< 0.0137
GMW-1	8/6/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	--	--	< 0.0137
GMW-1	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
GMW-1	9/13/2020	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.21	< 0.10	< 0.051	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
GMW-1	12/7/2021	< 0.11	< 0.053	< 0.11	< 0.053	< 0.11	< 0.053	< 0.053	< 0.053	< 0.11	< 0.11	< 0.21	< 0.11	< 0.053	< 0.11	< 0.11	< 0.21	--	< 0.11	< 0.11	--
MW-1	5/7/2015	--	--	--	0.025 J	0.026 J	0.044 J	--	0.020 J	0.032 J	0.018 J	--	--	0.033 J	< 0.031	0.023 J	0.026 J	0.0645	--	--	0.04032
MW-1	3/2/2016	--	--	--	< 0.011	< 0.011	< 0.011	--	< 0.011	< 0.011	< 0.011	--	--	< 0.011	0.4	0.12	0.2	0.72	--	--	< 0.008305
MW-1	2/22/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.0129 J	0.0207 J	< 0.0435	--	--	< 0.007783
MW-1	5/14/2019	--	--	--	< 0.00820	< 0.0232	< 0.00424	--	< 0.0272	< 0.0216	< 0.00792	--	--	< 0.0296	0.110 J	0.0309 J	0.0414 J	0.1823	--	--	< 0.015566
MW-1	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0777 BJ	< 0.00821	< 0.00902	< 0.0863	--	--	< 0.007783
MW-1	6/3/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	--	--	< 0.0137
MW-1	8/6/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.0925 J	< 0.687	< 0.674	< 0.773	--	--	< 0.0137
MW-1	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
					1																
MW-2	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	4.3	1.1	0.35	5.75	--	--	< 0.0137
MW-2	3/2/2016	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	4.3	1.7	0.34	6.34	--	--	< 0.0137
MW-2	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	2.5	0.29	7.39	--	--	< 0.0137
MW-2	9/12/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.0137
MW-2	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.00849 J	0.0174 J	< 0.03579	--	--	< 0.0137
MW-2	5/14/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0593 J	0.0214 J	0.0228 J	0.1035	--	--	< 0.0137
MW-2	8/27/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.0137
MW-2	11/26/2019	--	--	--	0.00684 BJ	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0680 BJ	0.0255 BJ	0.0174 BJ	0.1109	--	--	< 0.0137
MW-2	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0939 BJ	< 0.00821	< 0.00902	< 0.103	--	--	< 0.0137
MW-2	6/3/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.188 J	< 0.0687	0.150 J	< 0.372	--	--	< 0.0137
MW-2	8/7/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.171 J	< 0.687	< 0.674	< 0.852	--	--	< 0.0137
MW-2	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-2	12/7/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-3	5/7/2015	--	--	--	0.016 J	0.015 J	0.025 J	--	< 0.010	0.018 J	< 0.010	--	--	0.016 J	< 0.030	0.76	0.041	0.816	--	--	0.02188
MW-3	3/2/2016	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	< 0.030	< 0.010	< 0.010	< 0.025	--	--	< 0.00755
MW-3	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.031	0.032 J	< 0.010	0.053	--	--	--
MW-3	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	< 0.029	0.19	< 0.0095	0.20925	--	--	< 0.00717
MW-3	5/14/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0335 J	< 0.00821	< 0.00902	< 0.0421	--	--	< 0.007783
MW-3	11/25/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	< 0.00821	< 0.00902	< 0.0185	--	--	< 0.007783
MW-3	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0293 BJ	< 0.00821	< 0.00902	< 0.0379	--	--	< 0.007783
MW-3	8/7/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	--	--	< 0.0137
MW-3	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-3	9/13/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-3	12/7/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.21	< 0.10	< 0.051	0.59	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-4	3/26/2020	--	--	--	0.0381 J	0.0250 J	0.0344 J	--	< 0.0272	< 0.0216	< 0.00792	--	--	< 0.0296	113	21.7	35.5	170.2	--	--	< 0.03559
MW-4	6/9/2021	< 5.1	< 2.5	< 0.10	< 0.051	< 0.10	0.061	0.076	< 0.051	< 0.10	< 0.10	< 0.20	< 5.1	< 0.051	76	16	28	--	0.34	0.23	--
MW-4	12/7/2021	< 0.11	< 0.053	< 0.11	< 0.053	< 0.11	0.063	< 0.053	< 0.053	< 0.11	< 0.11	< 0.21	< 0.11	< 0.053	28	4.4	8.7	--	0.16	0.17	--
MW-5	5/7/2015	--	--	--	< 0.010	< 0.010	0.014 J	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	11	3	2.5	16.5	--	--	0.00845
MW-5	3/2/2016	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--									

Table 3
PAH Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)-anthracene	Benzo(a)pyrene	Benzo(b)-fluoranthene	Benzo(g,h,i)-perylene	Benzo(k)-fluoranthene	Chrysene	Dibenzo(a,h)-anthracene	Fluoranthene	Fluorene	Indeno-(1,2,3-cd)pyrene	Naphthalene	1-Methyl-naphthalene	2-Methyl-naphthalene	Total Naphthalenes	Phenanthrene	Pyrene	Total Polynuclear Aromatic Hydrocarbons
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	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MTCA METHOD A CLEANUP LEVELS						0.1									160			160			0.1
MW-9	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	< 0.031	< 0.010	0.015 J	0.0355	--	--	< 0.00755
MW-9	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	< 0.028	< 0.0095	< 0.0095	< 0.0235	--	--	< 0.00717
MW-9	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	< 0.00821	0.0150 J	< 0.029005	--	--	< 0.007783
MW-9	5/13/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.0162 J	0.0140 J	< 0.0401	--	--	< 0.007783
MW-9	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0350 BJ	< 0.00821	< 0.00902	< 0.04362	--	--	< 0.007783
MW-9	11/26/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0350 BJ	< 0.00821	< 0.00902	< 0.04362	--	--	< 0.007783
MW-9	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0244 BJ	< 0.00821	< 0.00902	< 0.0208	--	--	< 0.007783
MW-9	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	--	--	< 0.0137
MW-9	8/7/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	--	--	< 0.0137
MW-9	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.21	< 0.10	< 0.051	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-9	9/13/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-9	12/7/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-10	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	0.77	0.23	0.35	1.35	--	--	< 0.00755
MW-10	9/12/2016	--	--	--	< 0.0095	< 0.0095	< 0.0095	--	< 0.0095	< 0.0095	< 0.0095	--	--	< 0.0095	< 0.029	< 0.0095	< 0.0095	< 0.024	--	--	< 0.00717
MW-11	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	< 0.0198	0.00930 J	< 0.00902	< 0.02371	--	--	< 0.007783
MW-11	5/13/2019	--	--	--	0.00965 J	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.165 J	0.0258 J	0.0121 J	0.2029	--	--	0.008543
MW-11	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.169 BJ	0.0102 J	0.0107 J	0.1899	--	--	< 0.007783
MW-11	11/25/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.141 J	< 0.00821	0.0104 J	< 0.1556	--	--	< 0.007783
MW-11	3/25/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0887 BJ	0.0194 J	0.0106 J	0.119	--	--	< 0.00778
MW-11	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	--	--	< 0.0137
MW-11	8/6/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.0917 J	< 0.687	0.0678 BJ	< 0.503	--	--	< 0.0137
MW-11	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-11	9/13/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	< 0.10	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-11	12/7/2021	< 0.10	< 0.052	< 0.10	< 0.052	< 0.10	< 0.052	< 0.052	< 0.052	< 0.10	< 0.10	< 0.21	< 0.10	< 0.052	0.38	< 0.10	< 0.21	--	< 0.10	< 0.10	--
MW-12	2/20/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	4.81	0.897	0.782	6.489	--	--	< 0.0137
MW-12	5/13/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.463	0.328	0.0239 J	0.8149	--	--	< 0.0137
MW-12	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.257 B	0.235 J	0.0224 J	0.5144	--	--	< 0.0137
MW-12	11/25/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.659	0.244 J	0.0269 J	0.9299	--	--	< 0.0137
MW-12	3/26/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.523	0.190 J	0.0407 J	0.754	--	--	< 0.0137
MW-12	6/2/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	0.519	0.138 J	0.0727 J	0.73	--	--	< 0.0137
MW-12	8/6/2020	--	--	--	< 0.0203	< 0.0184	< 0.0168	--	< 0.0202	< 0.0179	< 0.0160	--	--	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	--	--	< 0.0137
MW-12	6/9/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	1.6	0.44	0.59	--	< 0.10	< 0.10	--
MW-12	9/13/2021	< 0.10	< 0.051	< 0.10	< 0.051	< 0.10	< 0.051	< 0.051	< 0.051	< 0.10	< 0.10	< 0.20	< 0.10	< 0.051	< 0.10	< 0.10	< 0.20	--	< 0.10	< 0.10	--
MW-12	12/7/2021	< 0.10	0.11	< 0.10	< 0.050	< 0.10	< 0.050	< 0.050	< 0.050	< 0.10	< 0.10	< 0.20	< 0.10	< 0.050	0.32	< 0.10	< 0.20	--	< 0.10	< 0.10	--

Notes:
PAH = Polycyclic Aromatic Hydrocarbons
Total Carcinogenic PAH (cPAH) value is the sum of all analyzed cPAHs
Total naphthlenes value is the sum of the naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene values
<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
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
B = The same analyte is found in the associated blank

Table 4
Select VOCs Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		1,3-Butadiene	Chloroform	Ethanol	Hexane	Vinyl Chloride	1,1-Dichloroethene (1,1-DCE)	cis-1,2- Dichloroethene (cis- 1,2-DCE)	trans-1,2- dichloroethene	1,1,2- Trichloroethane	Trichloroethene (TCE)	Tetrachloroethene (PCE)
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Well ID	Date											
MTCA METHOD A CLEANUP LEVELS						0.2					5	5
GMW-1	8/27/2019	< 0.157	< 0.0860	< 42	6.17	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
GMW-1	3/25/2020	< 0.157	< 0.0860	< 42.0 J0	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
GMW-1	6/2/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
GMW-1	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-1	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+	< 1.0 *+
GMW-1	9/13/2021	<1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0
GMW-1	12/7/2021	<1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0
MW-1	6/3/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-1	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-1	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+	< 1.0 *+
MW-2	6/3/2020	< 0.337 J0	< 0.111	46.6 J	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-2	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-2	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+	< 1.0 *+
MW-2	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-3	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-3	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+	< 1.0 *+
MW-3	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-3	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-4	3/8/2021	11	4.0	--	81	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-4	6/9/2021	5.4	< 1.0	--	53	< 1.0 *+	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-4	12/7/2021	3.1	< 1.0	--	41	< 1.0	< 1.0	< 1.0	< 1.0	31	< 1.0	< 1.0
MW-5	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-6	6/2/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-6	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-6	6/9/2021	< 1.0 *1	< 1.0	--	< 3.0	< 1.0 *+	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-6	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-6	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	8/27/2019	< 0.157	< 0.0860	< 42	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-9	11/26/2019	< 0.157	< 0.0860	54.0 J,J4	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-9	3/26/2020	< 0.157	< 0.0860	< 42.0 J0	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199

Table 4
Select VOCs Groundwater Analytical Data
Former BP Facility No. 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

CONSTITUENT		1,3-Butadiene	Chloroform	Ethanol	Hexane	Vinyl Chloride	1,1-Dichloroethene (1,1-DCE)	cis-1,2- Dichloroethene (cis- 1,2-DCE)	trans-1,2- dichloroethene	1,1,2- Trichloroethane	Trichloroethene (TCE)	Tetrachloroethene (PCE)
UNIT		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Well ID	Date											
MTCA METHOD A CLEANUP LEVELS						0.2					5	5
MW-9	6/2/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-9	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0 *+	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-9	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-11	8/27/2019	< 0.157	< 0.0860	< 42	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-11	11/25/2019	< 0.157	< 0.0860	< 42 J4	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-11	3/25/2020	< 0.157	< 0.0860	< 42 J0	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-11	6/2/2020	< 0.337 J0	< 0.111	< 42.0	< 0.749	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-11	3/8/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-11	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+
MW-11	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-11	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-12	8/27/2019	< 0.157	< 0.0860	< 42	< 0.305	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-12	11/25/2019	< 0.157	< 0.0860	< 42 J4	1.82 J	< 0.118	< 0.188	< 0.0933	< 0.152	3.39	< 0.153	< 0.199
MW-12	3/26/2020	< 0.157	< 0.0860	< 42.0 J0	1.82 J	< 0.118	< 0.188	< 0.0933	< 0.152	< 0.186	< 0.153	< 0.199
MW-12	6/2/2020	< 0.337 J0	< 0.111	< 42.0	1.54 J	< 0.234	< 0.188	< 0.126	< 0.149	< 0.158	< 0.190	< 0.300
MW-12	3/8/2021	< 1.0 F2	< 1.0 F1F2	--	< 3.0 F2	< 1.0 F2	< 1.0 F1F2	< 1.0 F1F2	< 1.0 F1F2	< 1.0 F1F2	< 1.0 F1F2	< 1.0 F1F2
MW-12	6/9/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *+
MW-12	9/13/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-12	12/7/2021	< 1.0	< 1.0	--	< 3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

<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

J = estimated value – The result is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ)

J0 = The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration met method criteria

J4 = The associated batch QC was outside the established quality control range for accuracy

*+ = The LCS and/or LCSD is outside acceptance limits, high biased

Table 5
SVE/AS System Operational Data
Former BP Facility 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Date	SVE Operation (on or off) Arrival / Departure	SVE Hour Meter (Hours)	SVE Period Operation (Hours)	SVE Percent Uptime (%)	AS Operation (on or off) Arrival / Departure	AS Hour Meter (Hours)	AS Period Operation (Hours)	AS Percent Uptime (%)	Cat Ox Inlet Temperature (°F)	Post-Dilution ¹						Effluent PID (ppmv)	Destruction Efficiency (%)	VOC Mass Removal Rate (lbs/day)	VOC Mass Removal Rate (lbs/period)	Cumulative VOC Removal (lbs)	Comments
										Pressure (in. Wc)	Influent Temperature (°F)	Influent Velocity (fpm)	Influent Flowrate (acfm)	Influent Flowrate (scfm)	Influent PID (ppmv)						
Permit Requirements		--	--	--		--	--	--	> 625	--	--		--	<120	--	<200	>98% ²				
04/20/16	off / on	6021.5	--	--	on / on	37.8	--	--	633.0	3.0	83.0	1080.0	36.8	35.5	316.0	0.9	100%	3.61	--	--	Mass removal calculated with data from 12/17/15
04/22/16	on / on	6064.0	42.5	88.5%	on / on	37.8	0.0	0.0%	649.0	2.0	89.0	1110.0	37.9	36.0	283.7	2.1	99%	3.29	5.83	5.83	
04/27/16	on / on	6189.6	125.6	100.0%	off / off	37.8	0.0	0.0%	626.0	3.0	88.0	840.0	28.6	27.4	367.5	6.0	98%	3.24	16.96	22.78	
05/04/16	on / on	6354.2	164.6	100.0%	on / on	37.8	0.0	0.0%	626.0	3.0	91.0	920.0	31.4	29.8	245.5	1.4	99%	2.36	16.17	38.95	
05/10/16	on / on	6496.4	142.2	100.0%	on / on	37.8	0.0	0.0%	647.6	3.0	99.0	760.0	25.9	24.3	211.0	1.5	99%	1.65	9.78	48.73	
06/13/16	off / on	7131.0	634.6	77.8%	off / on	37.8	0.0	0.0%	649.4	2.0	90.0	897.0	30.6	29.1	586.0	2.5	100%	5.48	177.48	226.21	
7/12/16 ³	on / on	--	--	--	off / off	--	--	--	--	--	--	--	--	--	--	0.0	--	--	--	226.21	
08/24/16	on / on	7492.0	361.0	20.9%	on / on	37.8	0.0	0.0%	644.0	5.0	86.5	1650.0	56.3	54.2	288.9	0.4	100%	5.04	75.83	302.03	
09/20/16	on / on	8141.5	649.5	100.2%	on / on	37.8	0.0	0.0%	662.0	4.0	84.0	1029.0	35.1	33.9	398.0	1.1	100%	4.34	117.46	419.50	
10/27/16	off / on	8721.0	579.5	65.3%	off / on	37.8	0.0	0.0%	662.0	1.0	75.0	120.0	4.1	4.0	135.0	0.0	100%	0.17	4.18	423.68	
11/16/16	off / on	8831.1	110.1	22.9%	off / on	37.8	0.0	0.0%	719.6	1.0	59.0	290.0	9.9	9.9	451.8	5.2	99%	1.44	6.63	430.31	
12/15/16	off / on	8989.1	158.0	22.7%	off / on	37.8	0.0	0.0%	645.8	0.5	65.0	280.0	9.5	9.5	388.0	6.4	98%	1.18	7.79	438.10	
01/31/17	on / on	10005.0	1015.9	90.1%	on / on	38.2	0.4	0.0%	662.0	1.0	62.0	480.0	16.4	16.3	159.6	2.5	98%	0.84	35.55	473.65	
02/13/17	off / on	10104.9	99.9	32.0%	off / on	38.2	0.0	0.0%	625.8	1.0	94.5	745.0	25.4	23.9	182.8	0.0	100%	1.41	5.85	479.51	
03/01/17	off / on	10112.1	7.2	1.9%	off / on	38.3	0.1	0.0%	663.8	3.0	120.0	885.0	30.2	27.3	215.0	0.5	100%	1.89	0.57	480.07	
04/26/17	on / on	11208.2	1096.1	81.6%	on / on	38.3	0.0	0.0%	645.8	5.0	78.0	1800.0	61.4	60.1	64.4	0.9	99%	1.25	56.87	536.94	
06/06/17	off / on	11250.7	42.5	4.3%	off / on	38.4	0.1	0.0%	665.6	9.0	152.7	2290.0	78.1	67.7	198.8	3.0	98%	4.34	7.68	544.62	
07/07/17	on / on	11967.3	716.6	96.3%	on / on	38.4	0.0	0.0%	663.8	9.0	122.4	1460.0	49.8	45.4	160.0	3.2	98%	2.34	69.89	614.51	
08/30/17	on / on	13184.3	1217.0	93.9%	off / on	38.4	0.0	0.0%	663.8	10.0	85.0	1900.0	64.8	63.3	395.0	4.5	99%	8.06	408.47	1022.98	
09/21/17	on / on	13708.3	524.0	99.2%	on / on	38.4	0.0	0.0%	663.8	8.0	127.5	2105.0	71.8	64.8	385.5	1.3	100%	8.04	175.56	1198.54	
10/05/17	off / on	13903.3	195.0	58.0%	off / on	38.4	0.0	0.0%	665.6	12.0	127.0	2502.0	85.3	77.8	402.0	2.4	99%	10.07	81.83	1280.37	
11/02/17	on / on	14536.5	633.2	94.2%	on / on	38.4	0.0	0.0%	676.4	8.0	84.2	1882.0	64.2	62.5	230.0	0.2	100%	4.63	122.17	1402.54	
12/27/17	on / on	15330.2	793.7	60.1%	on / on	38.5	0.0	0.0%	663.8	2.0	72.0	860.0	29.3	28.8	24.6	0.1	100%	0.23	7.55	1410.09	
01/30/18	on / on	16147.3	817.1	100.1%	off/off	38.5	0.0	0.0%	663.8	3.0	93.5	980.0	33.4	31.6	13.4	0.2	99%	0.14	4.65	1414.73	
02/21/18	on / on	16675.8	528.5	100.1%	off / off	38.5	0.0	0.0%	663.8	1.9	58.9	819.0	27.9	28.1	19.6	0.0	100%	0.18	3.91	1418.64	
03/13/18	on / on	17135.6	459.8	95.8%	on / on	39.6	1.1	0.2%	662.0	15.0	65.0	2297.0	78.3	80.4	60.9	1.3	98%	1.58	30.22	1448.86	
04/18/18	off / on	17399.9	264.3	30.6%	off / on	281.4	241.8	28.0%	667.0	20.0	68.0	2875.0	98.0	101.3	263.7	2.9	99%	8.60	94.71	1543.57	
05/21/18	on / on	18190.8	790.9	100.0%	on / on	999.2	717.8	90.6%	694.4	1.0	145.0	840.0	28.6	24.7	148.0	3.1	98%	1.18	38.76	1582.33	
06/19/18	off / on	--	--	--	off / on	--	--	--	690.0	--	--	--	--	105.0	140.0	2.0	99%	4.73	--	1582.33	
07/18/18	off / on	19156.4	965.6	69.4%	off / off	1548.9	549.7	39.5%	674.6	12.0	90.0	3105.0	105.9	103.1	49.0	1.0	98%	1.63	65.42	1647.75	
08/23/18	off / on	20019.6	863.2	99.9%	off / off	1548.9	0	0.0%	671.0	30.0	88.0	2234.0	76.2	77.6	104.0	1.0	99%	2.60	93.48	1741.22	
09/13/18	on / on	20523.2	503.6	99.9%	off / off	1548.9	0	0.0%	671.0	5.0	91.5	1730.0	59.0	56.3	102.4	2.3	98%	1.86	38.96	1780.18	
10/05/18	on / on	21048.9	525.7	99.6%	off / off	1548.9	0	0.0%	671.0	5.0	73.0	778.0	26.53	26.2	68.0	0.8	99%	0.57	12.57	1792.74	
11/06/18	off / on	21197.4	148.5	19.3%	off / off	1548.9	0	0.0%	678.2	10.0	108.0	724.0	24.69	23.2	148.0	1.9	99%	1.10	6.83	1799.57	
12/13/18	off / on	21892.5	695.1	78.3%	off / off	1548.9	0	0.0%	789.8	2.0	77.7	758.0	25.85	25.1	578.2	11.7	98%	4.68	135.45	1935.02	
01/10/19	off / on	22560.6	668.1	99.4%	off / off	1548.9	0	0.0%	788.0	4.0	85.0	1100.0	37.51	36.1	377.0	7.8	98%	4.39	122.13	2057.14	
02/28/19	off / on	23429.9	869.3	73.9%	off / off	1548.9	0</														

Table 5
SVE/AS System Operational Data
Former BP Facility 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

07/08/21	on / on	28496.0	28.0	3.3%	off / off	1550.0	1.1	0.1%	631.4	5.0	75.0	2026.8	69.11	68.0	42.5	0.0	100%	0.93	1.09	2307.69	Pre-AS commissioing Test
07/08/21	on / on	28501.0	5.0	3.9%	off / off	1552.0	2.0	3.8%	629.6	8.0	100.0	2261.0	77.10	73.0	117.4	0.4	100%	2.76	0.57	2308.26	Post-AS commissioning Test
08/18/21	on / on	29239.8	738.8	75.1%	off / off	1557.0	5.0	0.5%	629.6	10.0	90.0	2361.4	80.52	78.0	20.6	0.0	100%	0.52	15.93	2324.19	System down previously due to electrical problems; Cleaned out filter post KO tank
08/31/21	on / on	29550.4	310.6	99.6%	off / off	1557.0	0.0	0.0%	629.6	6.0	90.0	2414.8	82.34	79.0	24.0	0.0	100%	0.61	7.90	2332.09	Pre-AS commissioing Test
09/01/21	on / on	29578.7	28.3	94.3%	off / off	1559.0	2.0	8.3%	627.8	6.0	87.0	2979.2	101.59	98.0	24.6	4.9	80%	0.78	0.92	2333.00	Post-AS commissioning Test
09/17/21	on / on	29887.0	308.3	80.3%	off / off	1564.1	5.1	1.3%	627.8	15.0	77.0	3037.7	103.58	104.0	50.3	0.0	100%	1.68	21.64	2354.64	Flushed water out of CW-4 line connected to VE system
10/26/21	on / on	30495.0	608.0	65.0%	off / off	1564.1	0.0	0.0%	627.8	8.5	86.0	2513.0	108.00	105.0	24.0	0.0	100%	0.81	20.56	2375.20	Faulty phase monitor shutting down system; replaced
11/17/21	off / on	30928.2	433.2	82.0%	off / off	1564.1	0.0	0.0%	631.4	7.0	60.0	2479.4	84.55	86.0	1.0	0.0	100%	0.03	0.50	2375.70	Cat Ox not reaching permit temp at typical 70% VFD setting, VFD set to 50% for colder weather
12/06/21	on / on	31368.6	440.4	96.6%	off / off	1564.1	0.0	0.0%	629.6	10.0	54.0	2574.6	87.79	91.0	0.4	0.0	100%	0.01	0.22	2375.91	O&M data post self verification
01/06/22	on / on	31647.0	278.4	37.4%	off / off	1564.1	0	0.0%	626.0	10.0	10.0	1810.9	61.75	70.0	0.9	0.3	67%	0.02	0.24	2376.15	Control panel latch broke
02/02/22	on / on	32202.0	555.0	85.6%	off / off	1564.1	0	0.0%	604.4	9.0	65.0	2954.7	100.75	102.0	1.5	0.0	100%	0.05	1.14	2377.29	Fix control panel latch
03/10/22	off / on	32990.0	788.0	91.2%	off / off	1564.1	0	0.0%	617.0	23.0	50.0	2559.1	87.26	94.0	18.0	1.5	92%	0.54	17.89	2395.17	System turned on after GWM event
03/24/22	on / on	33327.0	337.0	100.0%	off / off	1564.1	0	0.0%	629.6	9.0	120.0	2528.2	86.21	79.0	18.0	0.3	98%	0.46	6.43	2401.60	
04/07/22	on / on	33659.6	332.6	99.0%	off / off	1564.1	0	0.0%	629.6	9.0	110.0	2453.1	83.65	78.0	14.7	0.5	97%	0.37	5.12	2406.72	
05/05/22	on / on	34333.4	673.8	100.0%	off / off	1564.1	0	0.0%	629.6	8.0	52.0	2237.1	76.29	79.0	3.8	0.0	100%	0.10	2.71	2409.43	Pre vac event readings
05/05/22	on / on	34333.9	0.5	100.0%	off / off	1564.1	0	0.0%	633.2	6.0	78.0	2481.7	84.63	83.0	25.5	0.0	100%	0.68	0.01	2409.45	Post vac event readings
05/29/22	off / on	34338.7	4.8	0.9%	off / off	1564.1	0	0.0%	629.6	8.0	65.0	1650.0	69.31	70.0	45.3	1.4	97%	1.02	0.20	2409.65	
06/30/22	on / on	35125.3	786.6	100.0%	off / off	1564.1	0	0.0%	629.6	7.0	70.0	1880.6	64.13	64.0	38.9	0.8	98%	0.80	26.27	2435.92	System shutdown due to alarm engaging, no alarm sent

2022 Annual Operational Hours	3,478
2022 Average Uptime Percentage	82.82%
2022 Average SVE flow rate (scfm):	79.9

SVE = Soil Vapor Extraction
AS = Air Sparge
Air Sparge and Soil Vapor Extraction = Ambient air is pressurized and pumped into the subsurface to volatilize constituents for extraction by the SVE System. Vapor is extracted by vacuum and is treated by combustion before discharging to the atmosphere.

PSCAA Permit = Puget Sound Clean Air Agency (PSCAA) emission discharge permit #29642
< = Operation data must be less than the permit requirement
> = Operation data must be greater than the permit requirement
Period = Length of time since the previous date that operational data was collected
% = Percentage
Uptime = Calculated percentage of operation during the period. (Hours of operation per period / total hours per period)
Cat Ox = Catalytic Oxidizer, the system component that catalyzes combustion of extracted Volatile Organic Compounds (VOCs)
°F = Fahrenheit
in Wc = Inches of water column
fpm = feet per minute
acfm = Actual cubic feet per minute measured by anemometer
scfm = Standard cubic feet per minute. scfm = acfm * (Pactual / Pstandard) * (Tstandard / Tactual)
Pstandard = Standard pressure = 1 atmosphere (14.7 pounds per square inch [psi])
Tstandard = Standard temperature = 68 °F, as used by the National Institute of Standards and Technology (NIST)
Pactual = Influent vacuum. Units converted in the formula from in.Hg to psi.
Tactual = Influent temperature. Units converted in the formula from °F to °R (degrees Rankine)

PID = Photoionization Detector
PSD = Process Safety Device
ppmv = Parts per million volume
Destruction Efficiency = (influent VOCs - effluent VOCs) / (influent VOCs). VOCs measured by PID
Mass Removal Rate= Flowrate * time * Concentration * Molecular Weight * Molar Density of Air
VOC molecular weight = 86 lb / [lb mol]
Molar density of air = P/RT = 1 atm / (0.7302 [ft³ * atm] / [lb mol * °R]) / (68 + 459.67)°R = 0.00260 lb mol / ft³
Molar density of air based on standard pressure of 1 atm and standard temperature of 68°F, as used by the National Institute of Standards and Technology (NIST).
P = pressure
R = gas constant
°R = degrees Rankine
T = temperature
atm = atmosphere
lb mol = Pound per Mole
ft³ = cubic feet

lbs = Pounds
lbs/day = Pounds per day
lbs/period = Pounds per period
Cumulative mass removed = Previous mass removed + Removal rate * Elapsed time
-- = Not collected/ not available
1 = Influent sample port is located post-dilution thus flow rate through cat ox is equal to exhaust flowrate and compliant with Puget Sound Clean Air Agency (PSCAA) permit #29664 subpart 7b.
2= Destruction Efficiency must be >97% when TPH influent is greater than 200 ppmv per PSCAA permit # 29664 subpart 5.
3=System shut down on 7/13/16 before O&M measurements were collected for the month. System restarted on 8/19/19. Effluent PID collected on 7/12/16 on system visit.
4=Post dilution flow rate is taken in a 2.5-inch pipe. Flow rate on field forms may differ from final table due to flow calculation based on a 2-inch pipe.
5= Flow rate for the 6/19/18 O&M Event was collected from the PLC Screen.
6= New CATOX Installed

$$scfm = acfm \cdot \frac{(14.7 \text{ [psi]} + (influent \text{ pressure} \cdot 0.0361 [\frac{psi}{in.WC}])}{14.7 \text{ [psi]}} \frac{68 \text{ }^{\circ}\text{F} + 460 \text{ }^{\circ}\text{R}}{(460^{\circ}\text{R} + influent \text{ temperature } ^{\circ}\text{F})}$$

$$Mass \text{ Removal Rate} = (flowrate \text{ [scfm]} * 60 \text{ [min]}x \text{ 24 [hr]})x \text{ (VOCs [ppmv]} * 10^6x \text{ 86 } [\frac{lbs}{mol}] x .0026 [\frac{lbmol}{ft^3}])$$

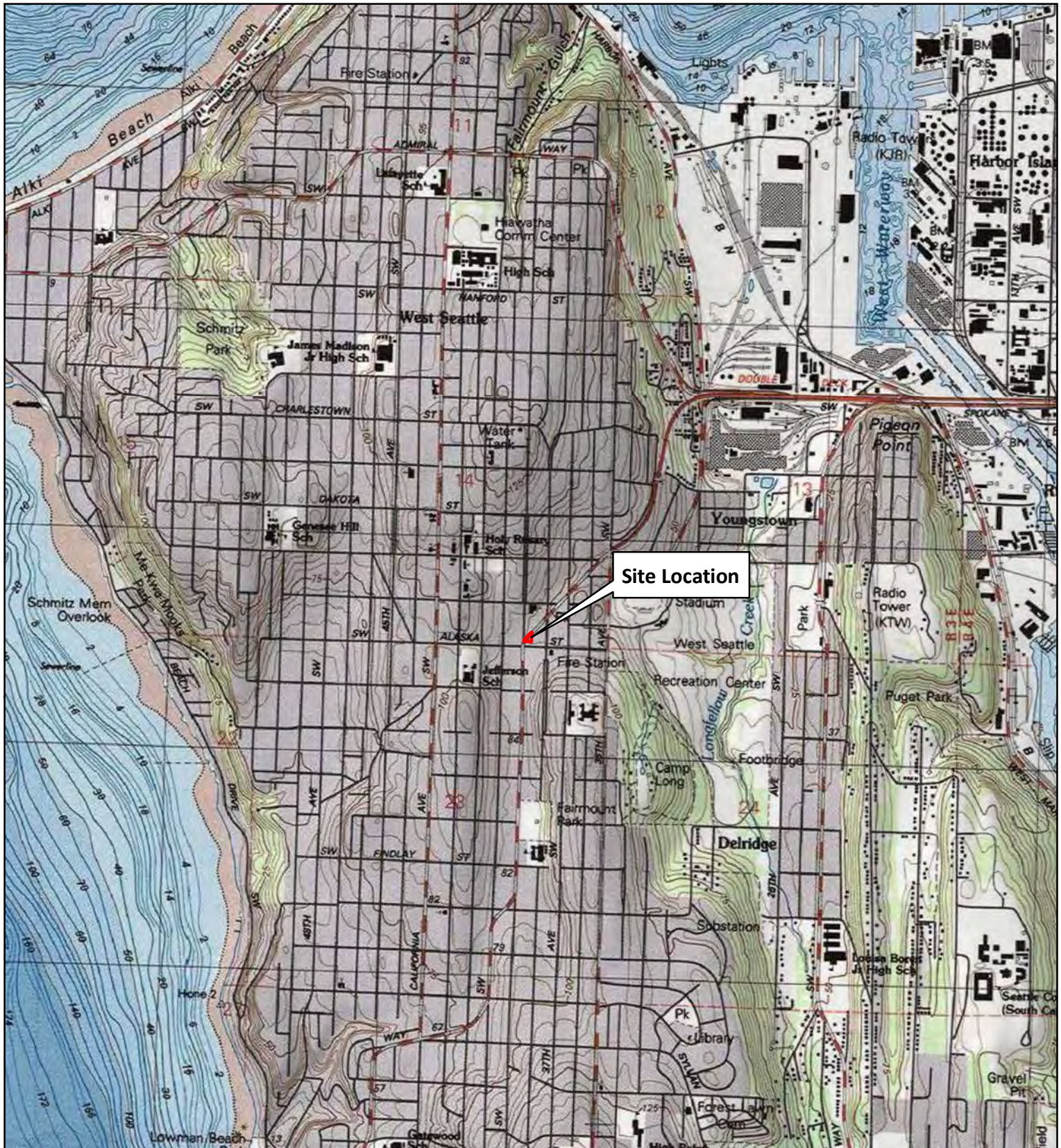
Figures

Figure 1 - Site Location Map

Figure 2 - Site Aerial Map

Figure 3 - Groundwater Analytical and Elevation Contour Map – March 8, 2022

Figure 4 - Groundwater Analytical and Elevation Contour Map – June 22, 2022



Site Location



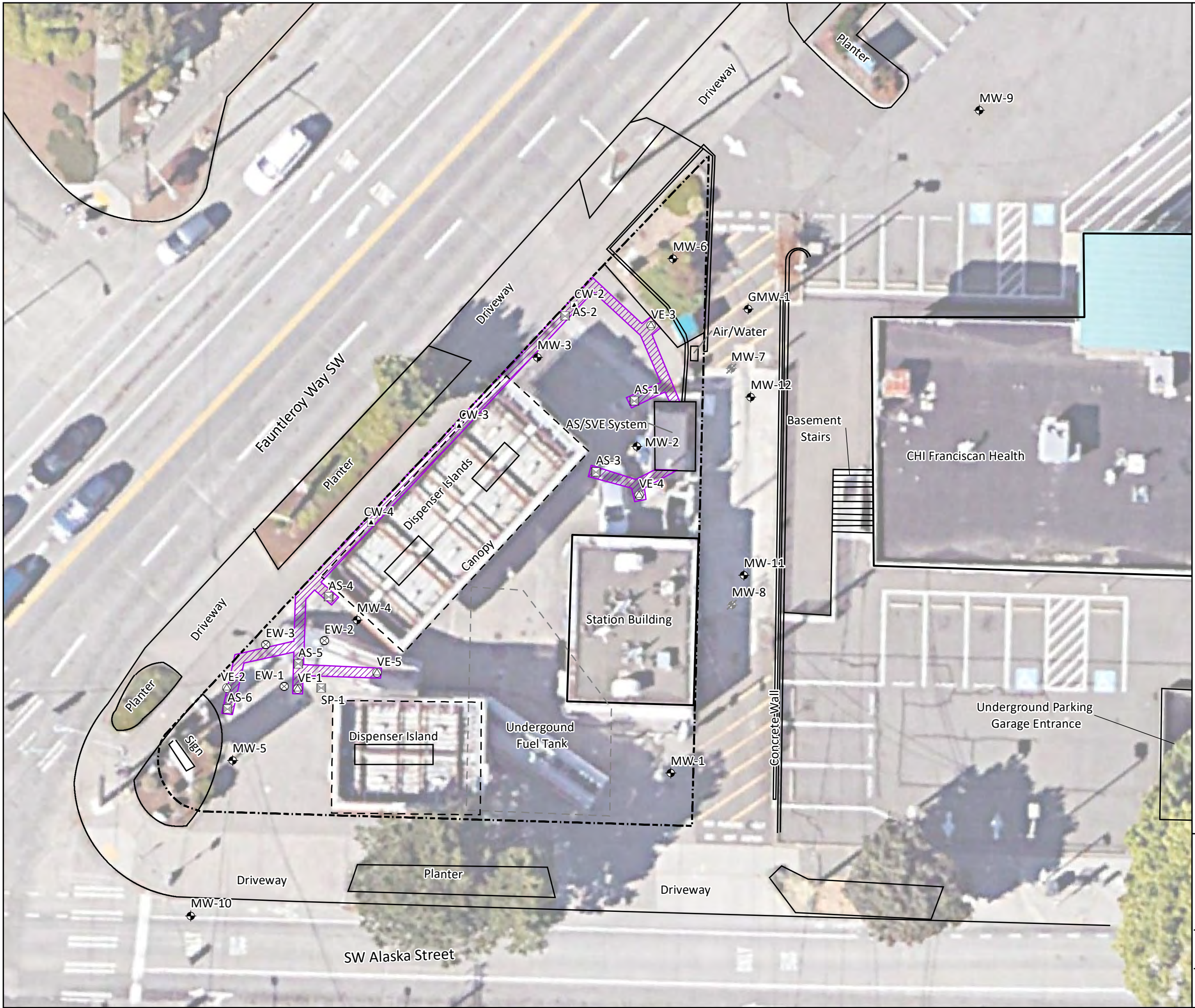
USGS Topographic Map 1:24,000
Duwamish Head, WA 2017

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

FIGURE 1

SITE LOCATION MAP
FORMER BP FACILITY NO. 11060
4580 FAUNTLEROY WAY SW
SEATTLE, WA

PROJECT NO. WA - 11060 SEATTLE	PREPARED BY SAA	REF SCALE 1:24,000	
DATE 2/15/2021	REVIEWED BY JS	MAP SCALE 1 INCH = 2,000 FEET	



- Legend**
- ▣ Air Sparge
 - ⊗ Vapor Extraction Well
 - ▣ Combination Air Sparge and Vapor Extraction Well
 - ⊗ Extraction Well
 - ◆ Monitoring Well
 - ✖ Abandoned Monitoring Well
 - - - Approximate Property Boundary
 - ▨ Trench Location

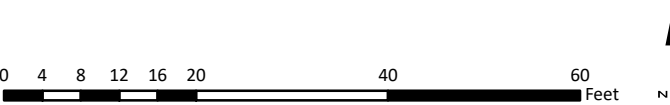
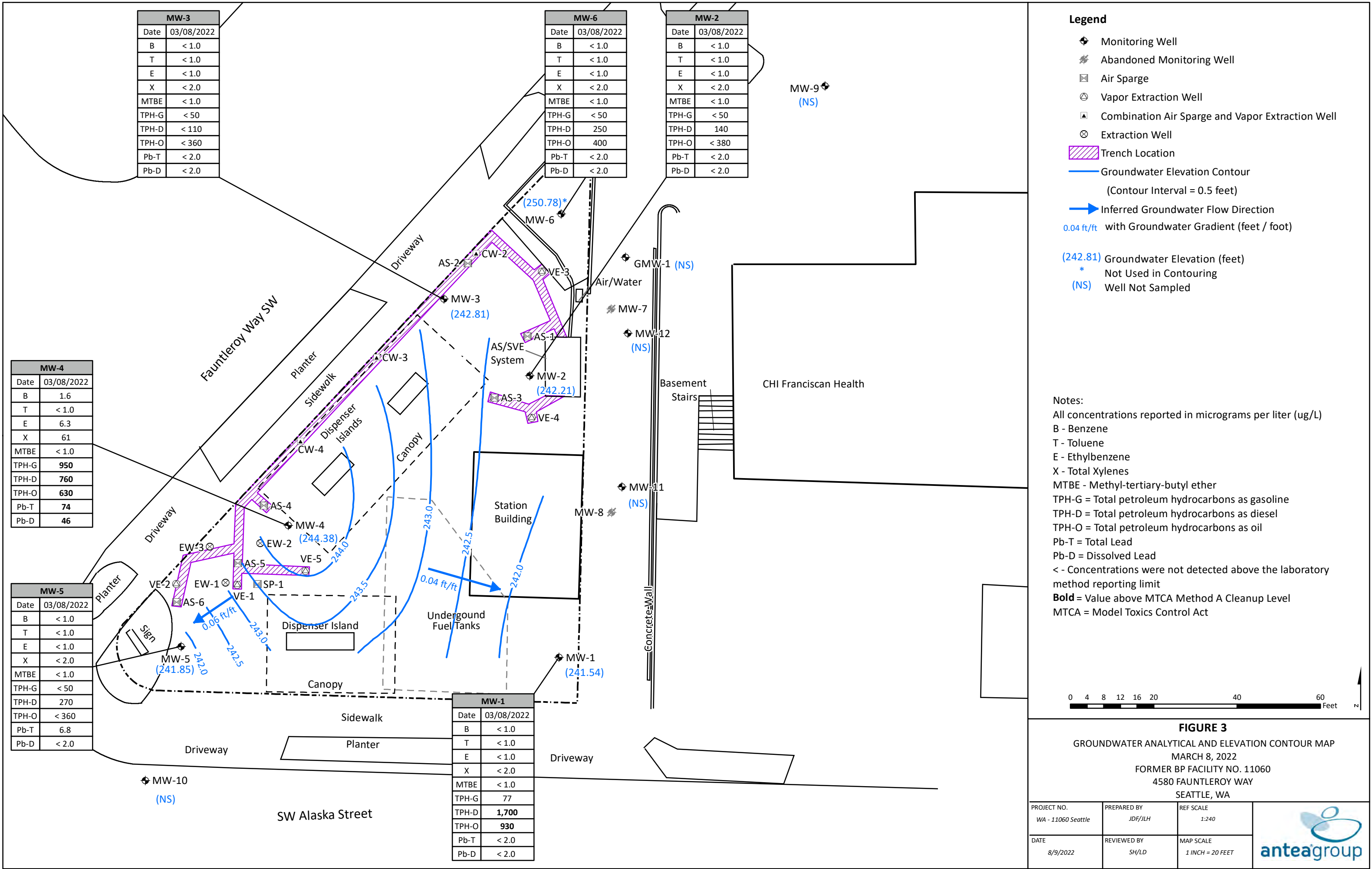


FIGURE 2
SITE AERIAL MAP
FORMER BP FACILITY NO. 11060
4580 FAUNTLEROY WAY
SEATTLE, WA

PROJECT NO. WA - 11060 SEATTLE	PREPARED BY SAA	REF SCALE 1:240	
DATE 2/15/2021	REVIEWED BY JS	MAP SCALE 1 INCH = 20 FEET	



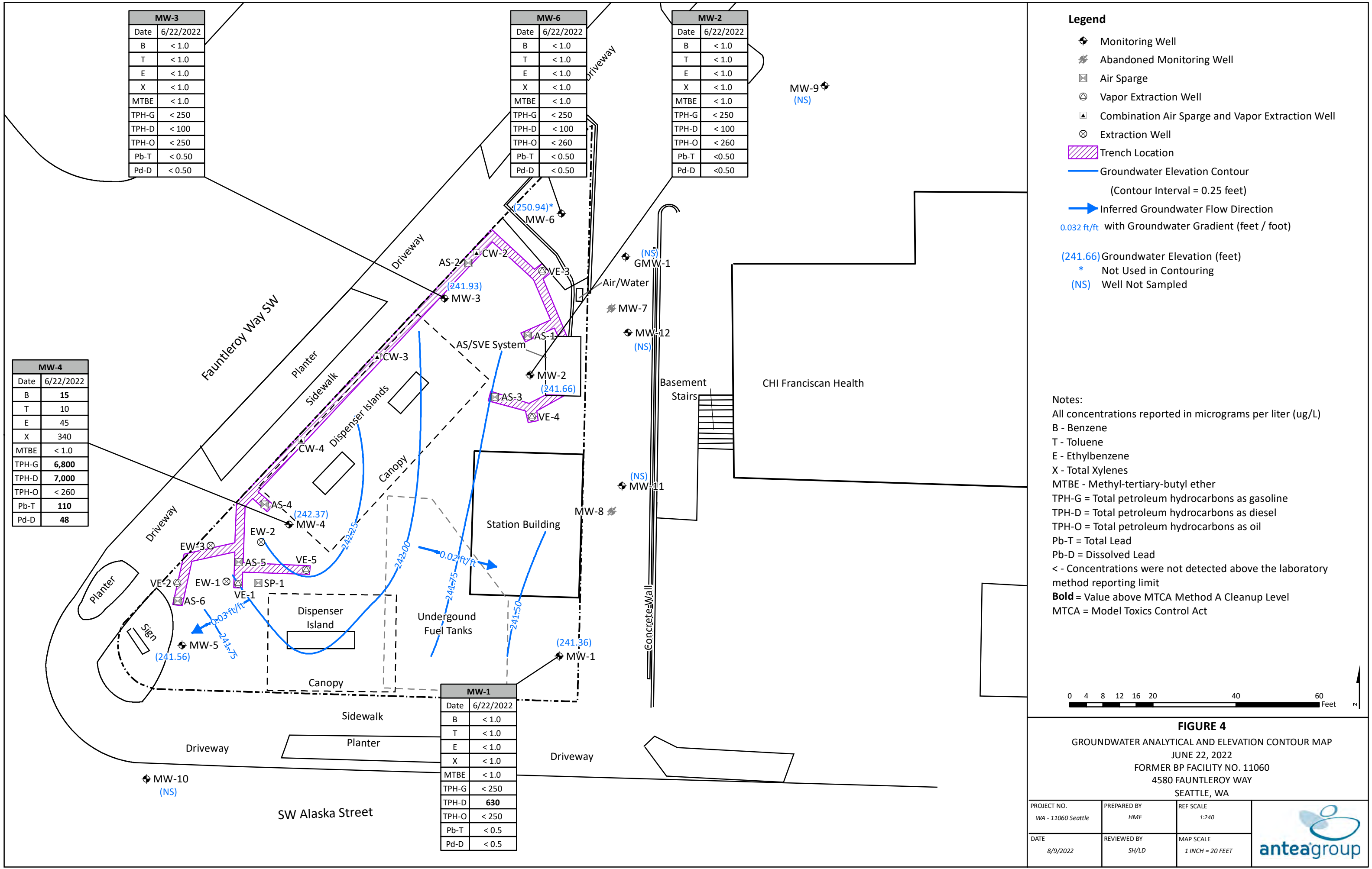
MW-3	
Date	6/22/2022
B	< 1.0
T	< 1.0
E	< 1.0
X	< 1.0
MTBE	< 1.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 250
Pb-T	< 0.50
Pd-D	< 0.50

MW-6	
Date	6/22/2022
B	< 1.0
T	< 1.0
E	< 1.0
X	< 1.0
MTBE	< 1.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 260
Pb-T	< 0.50
Pd-D	< 0.50

MW-2	
Date	6/22/2022
B	< 1.0
T	< 1.0
E	< 1.0
X	< 1.0
MTBE	< 1.0
TPH-G	< 250
TPH-D	< 100
TPH-O	< 260
Pb-T	< 0.50
Pd-D	< 0.50

MW-4	
Date	6/22/2022
B	15
T	10
E	45
X	340
MTBE	< 1.0
TPH-G	6,800
TPH-D	7,000
TPH-O	< 260
Pb-T	110
Pd-D	48

MW-1	
Date	6/22/2022
B	< 1.0
T	< 1.0
E	< 1.0
X	< 1.0
MTBE	< 1.0
TPH-G	< 250
TPH-D	630
TPH-O	< 250
Pb-T	< 0.5
Pd-D	< 0.5



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

ANALYTICAL REPORT

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

Laboratory Job ID: 580-111299-1
Client Project/Site: BP - ARCO 11060

For:
Antea USA Inc.
3855 Precision Drive
Suite 160
Loveland, Colorado 80538

Attn: Lonnie Dent

M. Elaine Walker

Authorized for release by:
3/25/2022 3:01:13 PM

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

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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 11060

Job ID: 580-111299-1

Job ID: 580-111299-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative 580-111299-1

Receipt

Seven samples were received on 3/11/2022 1:35 PM. 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 0.0° C.

GC/MS VOA

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

GC Semi 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 11060

Job ID: 580-111299-1

Client Sample ID: MW-1_20220308

Lab Sample ID: 580-111299-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	77		50	14	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	1700		110	68	ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	930		360	100	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-2_20220308

Lab Sample ID: 580-111299-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	140		120	70	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-3_20220308

Lab Sample ID: 580-111299-3

No Detections.

Client Sample ID: MW-4_20220308

Lab Sample ID: 580-111299-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		1.0	0.24	ug/L	1		8260D	Total/NA
Ethylbenzene	6.3		1.0	0.50	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	45		2.0	0.53	ug/L	1		8260D	Total/NA
o-Xylene	16		1.0	0.39	ug/L	1		8260D	Total/NA
Xylenes, Total	61		2.0	0.53	ug/L	1		8260D	Total/NA
Gasoline	950		50	14	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	760		110	67	ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	630		360	98	ug/L	1		NWTPH-Dx	Total/NA
Lead	74		2.0	0.20	ug/L	5		6020B	Total
Lead	46		2.0	0.20	ug/L	5		6020B	Recoverable Dissolved

Client Sample ID: MW-5_20220308

Lab Sample ID: 580-111299-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	270		110	67	ug/L	1		NWTPH-Dx	Total/NA
Lead	6.8		2.0	0.20	ug/L	5		6020B	Total Recoverable

Client Sample ID: MW-6_20220308

Lab Sample ID: 580-111299-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	250		110	68	ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	400		360	100	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: Trip Blank_20220308

Lab Sample ID: 580-111299-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: MW-1_20220308

Lab Sample ID: 580-111299-1

Date Collected: 03/08/22 14:15

Matrix: Water

Date Received: 03/11/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			03/18/22 17:26	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/18/22 17:26	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/18/22 17:26	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/18/22 17:26	1
o-Xylene	ND		1.0	0.39	ug/L			03/18/22 17:26	1
Toluene	ND		1.0	0.39	ug/L			03/18/22 17:26	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/18/22 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		03/18/22 17:26	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/18/22 17:26	1
Dibromofluoromethane (Surr)	112		80 - 120		03/18/22 17:26	1
Toluene-d8 (Surr)	98		80 - 120		03/18/22 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	77		50	14	ug/L			03/18/22 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		77 - 123		03/18/22 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1700		110	68	ug/L		03/21/22 09:51	03/21/22 23:39	1
Motor Oil (>C24-C36)	930		360	100	ug/L		03/21/22 09:51	03/21/22 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	03/21/22 09:51	03/21/22 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/22/22 17:59	03/23/22 16:08	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/14/22 17:34	03/15/22 19:16	5

Client Sample ID: MW-2_20220308

Lab Sample ID: 580-111299-2

Date Collected: 03/08/22 09:10

Matrix: Water

Date Received: 03/11/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			03/18/22 17:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/18/22 17:50	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/18/22 17:50	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/18/22 17:50	1
o-Xylene	ND		1.0	0.39	ug/L			03/18/22 17:50	1
Toluene	ND		1.0	0.39	ug/L			03/18/22 17:50	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/18/22 17:50	1

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: MW-2_20220308

Lab Sample ID: 580-111299-2

Date Collected: 03/08/22 09:10

Matrix: Water

Date Received: 03/11/22 13:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 120		03/18/22 17:50	1
4-Bromofluorobenzene (Surr)	94		80 - 120		03/18/22 17:50	1
Dibromofluoromethane (Surr)	114		80 - 120		03/18/22 17:50	1
Toluene-d8 (Surr)	99		80 - 120		03/18/22 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	14	ug/L			03/18/22 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		77 - 123					03/18/22 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	140		120	70	ug/L		03/21/22 09:51	03/21/22 23:19	1
Motor Oil (>C24-C36)	ND		380	100	ug/L		03/21/22 09:51	03/21/22 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	59		50 - 150				03/21/22 09:51	03/21/22 23:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/22/22 17:59	03/23/22 16:12	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/14/22 17:34	03/15/22 18:22	5

Client Sample ID: MW-3_20220308

Lab Sample ID: 580-111299-3

Date Collected: 03/08/22 11:05

Matrix: Water

Date Received: 03/11/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			03/18/22 18:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/18/22 18:13	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/18/22 18:13	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/18/22 18:13	1
o-Xylene	ND		1.0	0.39	ug/L			03/18/22 18:13	1
Toluene	ND		1.0	0.39	ug/L			03/18/22 18:13	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/18/22 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 120					03/18/22 18:13	1
4-Bromofluorobenzene (Surr)	92		80 - 120					03/18/22 18:13	1
Dibromofluoromethane (Surr)	117		80 - 120					03/18/22 18:13	1
Toluene-d8 (Surr)	97		80 - 120					03/18/22 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	14	ug/L			03/18/22 18:13	1

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: MW-3_20220308

Lab Sample ID: 580-111299-3

Date Collected: 03/08/22 11:05

Matrix: Water

Date Received: 03/11/22 13:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		77 - 123		03/18/22 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	68	ug/L		03/21/22 09:51	03/21/22 23:58	1
Motor Oil (>C24-C36)	ND		360	100	ug/L		03/21/22 09:51	03/21/22 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	58		50 - 150	03/21/22 09:51	03/21/22 23:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/22/22 17:59	03/23/22 16:16	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/14/22 17:34	03/15/22 18:26	5

Client Sample ID: MW-4_20220308

Lab Sample ID: 580-111299-4

Date Collected: 03/08/22 12:05

Matrix: Water

Date Received: 03/11/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.6		1.0	0.24	ug/L			03/21/22 16:58	1
Ethylbenzene	6.3		1.0	0.50	ug/L			03/21/22 16:58	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/21/22 16:58	1
m-Xylene & p-Xylene	45		2.0	0.53	ug/L			03/21/22 16:58	1
o-Xylene	16		1.0	0.39	ug/L			03/21/22 16:58	1
Toluene	ND		1.0	0.39	ug/L			03/21/22 16:58	1
Xylenes, Total	61		2.0	0.53	ug/L			03/21/22 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		03/21/22 16:58	1
4-Bromofluorobenzene (Surr)	100		80 - 120		03/21/22 16:58	1
Dibromofluoromethane (Surr)	108		80 - 120		03/21/22 16:58	1
Toluene-d8 (Surr)	101		80 - 120		03/21/22 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	950		50	14	ug/L			03/21/22 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		77 - 123		03/21/22 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	760		110	67	ug/L		03/21/22 09:51	03/22/22 00:17	1
Motor Oil (>C24-C36)	630		360	98	ug/L		03/21/22 09:51	03/22/22 00:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	64		50 - 150	03/21/22 09:51	03/22/22 00:17	1

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: MW-4_20220308

Lab Sample ID: 580-111299-4

Date Collected: 03/08/22 12:05

Matrix: Water

Date Received: 03/11/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	74		2.0	0.20	ug/L		03/22/22 17:59	03/23/22 16:20	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	46		2.0	0.20	ug/L		03/14/22 17:34	03/15/22 18:30	5

Client Sample ID: MW-5_20220308

Lab Sample ID: 580-111299-5

Date Collected: 03/08/22 13:15

Matrix: Water

Date Received: 03/11/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			03/18/22 19:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/18/22 19:01	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/18/22 19:01	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/18/22 19:01	1
o-Xylene	ND		1.0	0.39	ug/L			03/18/22 19:01	1
Toluene	ND		1.0	0.39	ug/L			03/18/22 19:01	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/18/22 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		03/18/22 19:01	1
4-Bromofluorobenzene (Surr)	93		80 - 120		03/18/22 19:01	1
Dibromofluoromethane (Surr)	109		80 - 120		03/18/22 19:01	1
Toluene-d8 (Surr)	99		80 - 120		03/18/22 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	14	ug/L			03/18/22 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		77 - 123		03/18/22 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	270		110	67	ug/L		03/21/22 09:51	03/22/22 00:37	1
Motor Oil (>C24-C36)	ND		360	99	ug/L		03/21/22 09:51	03/22/22 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	59		50 - 150	03/21/22 09:51	03/22/22 00:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.8		2.0	0.20	ug/L		03/22/22 17:59	03/23/22 16:39	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/14/22 17:34	03/15/22 18:34	5

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Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: MW-6_20220308

Lab Sample ID: 580-111299-6

Date Collected: 03/08/22 10:05

Matrix: Water

Date Received: 03/11/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			03/18/22 19:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/18/22 19:25	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/18/22 19:25	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/18/22 19:25	1
o-Xylene	ND		1.0	0.39	ug/L			03/18/22 19:25	1
Toluene	ND		1.0	0.39	ug/L			03/18/22 19:25	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/18/22 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		80 - 120		03/18/22 19:25	1
4-Bromofluorobenzene (Surr)	90		80 - 120		03/18/22 19:25	1
Dibromofluoromethane (Surr)	116		80 - 120		03/18/22 19:25	1
Toluene-d8 (Surr)	96		80 - 120		03/18/22 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	14	ug/L			03/18/22 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		77 - 123		03/18/22 19:25	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)	250		110	68	ug/L		03/21/22 09:51	03/22/22 01:16	1
Motor Oil (>C24-C36)	400		360	100	ug/L		03/21/22 09:51	03/22/22 01:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	03/21/22 09:51	03/22/22 01:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/22/22 17:59	03/23/22 16:43	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		03/14/22 17:34	03/15/22 18:37	5

Client Sample ID: Trip Blank_20220308

Lab Sample ID: 580-111299-7

Date Collected: 03/08/22 00:00

Matrix: Water

Date Received: 03/11/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			03/18/22 18:37	1
Toluene	ND		1.0	0.39	ug/L			03/18/22 18:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/18/22 18:37	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/18/22 18:37	1
o-Xylene	ND		1.0	0.39	ug/L			03/18/22 18:37	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/18/22 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		03/18/22 18:37	1

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Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: Trip Blank_20220308

Lab Sample ID: 580-111299-7

Date Collected: 03/08/22 00:00

Matrix: Water

Date Received: 03/11/22 13:35

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		03/18/22 18:37	1
4-Bromofluorobenzene (Surr)	93		80 - 120		03/18/22 18:37	1
Dibromofluoromethane (Surr)	116		80 - 120		03/18/22 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	14	ug/L			03/18/22 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		77 - 123		03/18/22 18:37	1

Surrogate Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
580-111299-1	MW-1_20220308	113	97	112	98
580-111299-2	MW-2_20220308	114	94	114	99
580-111299-3	MW-3_20220308	118	92	117	97
580-111299-4	MW-4_20220308	112	100	108	101
580-111299-5	MW-5_20220308	112	93	109	99
580-111299-6	MW-6_20220308	120	90	116	96
580-111299-7	Trip Blank_20220308	116	93	116	97
LCS 580-384333/6	Lab Control Sample	117	100	115	100
LCS 580-384530/6	Lab Control Sample	119	96	113	97
LCSD 580-384333/7	Lab Control Sample Dup	118	99	112	100
LCSD 580-384530/7	Lab Control Sample Dup	120	97	115	97
MB 580-384333/5	Method Blank	116	92	111	100
MB 580-384530/5	Method Blank	116	91	112	99

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (77-123)			
580-111299-1	MW-1_20220308	97			
580-111299-2	MW-2_20220308	94			
580-111299-3	MW-3_20220308	92			
580-111299-4	MW-4_20220308	100			
580-111299-5	MW-5_20220308	93			
580-111299-6	MW-6_20220308	90			
580-111299-7	Trip Blank_20220308	93			
LCS 580-384337/8	Lab Control Sample	99			
LCS 580-384534/8	Lab Control Sample	100			
LCSD 580-384337/9	Lab Control Sample Dup	99			
LCSD 580-384534/9	Lab Control Sample Dup	99			
MB 580-384337/5	Method Blank	92			
MB 580-384534/5	Method Blank	91			

Surrogate Legend
BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		OTPH (50-150)			
580-111299-1	MW-1_20220308	65			
580-111299-2	MW-2_20220308	59			

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Surrogate Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH (50-150)
580-111299-3	MW-3_20220308	58
580-111299-4	MW-4_20220308	64
580-111299-5	MW-5_20220308	59
580-111299-6	MW-6_20220308	63
LCS 580-384505/2-A	Lab Control Sample	72
LCSD 580-384505/3-A	Lab Control Sample Dup	77
MB 580-384505/1-A	Method Blank	58

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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

Lab Sample ID: MB 580-384333/5

Matrix: Water

Analysis Batch: 384333

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	0.24	ug/L			03/18/22 12:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/18/22 12:17	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/18/22 12:17	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/18/22 12:17	1
o-Xylene	ND		1.0	0.39	ug/L			03/18/22 12:17	1
Toluene	ND		1.0	0.39	ug/L			03/18/22 12:17	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/18/22 12:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		03/18/22 12:17	1
4-Bromofluorobenzene (Surr)	92		80 - 120		03/18/22 12:17	1
Dibromofluoromethane (Surr)	111		80 - 120		03/18/22 12:17	1
Toluene-d8 (Surr)	100		80 - 120		03/18/22 12:17	1

Lab Sample ID: LCS 580-384333/6

Matrix: Water

Analysis Batch: 384333

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	11.0		ug/L		110	80 - 122
Ethylbenzene	10.0	11.4		ug/L		114	80 - 120
Methyl tert-butyl ether	10.0	10.9		ug/L		109	72 - 120
m-Xylene & p-Xylene	10.0	11.3		ug/L		113	80 - 120
o-Xylene	10.0	11.7		ug/L		117	80 - 120
Toluene	10.0	11.1		ug/L		111	80 - 120
Xylenes, Total	20.0	23.0		ug/L		115	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	115		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 580-384333/7

Matrix: Water

Analysis Batch: 384333

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	11.0		ug/L		110	80 - 122	0	14
Ethylbenzene	10.0	11.6		ug/L		116	80 - 120	1	14
Methyl tert-butyl ether	10.0	10.9		ug/L		109	72 - 120	0	18
m-Xylene & p-Xylene	10.0	11.3		ug/L		113	80 - 120	1	14
o-Xylene	10.0	11.7		ug/L		117	80 - 120	1	16
Toluene	10.0	11.2		ug/L		112	80 - 120	1	13
Xylenes, Total	20.0	23.0		ug/L		115	80 - 120	0	16

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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

Lab Sample ID: LCSD 580-384333/7

Matrix: Water

Analysis Batch: 384333

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	118		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	112		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 580-384530/5

Matrix: Water

Analysis Batch: 384530

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.24	ug/L			03/21/22 11:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/21/22 11:49	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/21/22 11:49	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/21/22 11:49	1
o-Xylene	ND		1.0	0.39	ug/L			03/21/22 11:49	1
Toluene	ND		1.0	0.39	ug/L			03/21/22 11:49	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/21/22 11:49	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		03/21/22 11:49	1			
4-Bromofluorobenzene (Surr)	91		80 - 120		03/21/22 11:49	1			
Dibromofluoromethane (Surr)	112		80 - 120		03/21/22 11:49	1			
Toluene-d8 (Surr)	99		80 - 120		03/21/22 11:49	1			

Lab Sample ID: LCS 580-384530/6

Matrix: Water

Analysis Batch: 384530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS					%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	10.0	9.62		ug/L		96	80 - 122		
Ethylbenzene	10.0	9.92		ug/L		99	80 - 120		
Methyl tert-butyl ether	10.0	9.40		ug/L		94	72 - 120		
m-Xylene & p-Xylene	10.0	9.83		ug/L		98	80 - 120		
o-Xylene	10.0	10.0		ug/L		100	80 - 120		
Toluene	10.0	9.65		ug/L		96	80 - 120		
Xylenes, Total	20.0	19.8		ug/L		99	80 - 120		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	119		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	113		80 - 120
Toluene-d8 (Surr)	97		80 - 120

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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

Lab Sample ID: LCSD 580-384530/7

Matrix: Water

Analysis Batch: 384530

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	9.90		ug/L		99	80 - 122	3	14
Ethylbenzene	10.0	10.2		ug/L		102	80 - 120	3	14
Methyl tert-butyl ether	10.0	9.77		ug/L		98	72 - 120	4	18
m-Xylene & p-Xylene	10.0	9.95		ug/L		99	80 - 120	1	14
o-Xylene	10.0	10.2		ug/L		102	80 - 120	2	16
Toluene	10.0	9.62		ug/L		96	80 - 120	0	13
Xylenes, Total	20.0	20.2		ug/L		101	80 - 120	2	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	120		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	115		80 - 120
Toluene-d8 (Surr)	97		80 - 120

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

Lab Sample ID: MB 580-384337/5

Matrix: Water

Analysis Batch: 384337

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	14	ug/L			03/18/22 12:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		77 - 123					03/18/22 12:17	1

Lab Sample ID: LCS 580-384337/8

Matrix: Water

Analysis Batch: 384337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline			1000	998		ug/L		100	55 - 148		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		77 - 123								

Lab Sample ID: LCSD 580-384337/9

Matrix: Water

Analysis Batch: 384337

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline			1000	1000		ug/L		100	55 - 148	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		77 - 123								

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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

Lab Sample ID: MB 580-384534/5

Matrix: Water

Analysis Batch: 384534

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		50	14	ug/L			03/21/22 11:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		77 - 123					03/21/22 11:49	1

Lab Sample ID: LCS 580-384534/8

Matrix: Water

Analysis Batch: 384534

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline	1000	1020		ug/L		102	55 - 148	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	100		77 - 123					

Lab Sample ID: LCSD 580-384534/9

Matrix: Water

Analysis Batch: 384534

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1000	1010		ug/L		101	55 - 148	1	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	99		77 - 123						

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

Lab Sample ID: MB 580-384505/1-A

Matrix: Water

Analysis Batch: 384567

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 384505

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	65	ug/L		03/21/22 09:51	03/21/22 18:07	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		03/21/22 09:51	03/21/22 18:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	58		50 - 150				03/21/22 09:51	03/21/22 18:07	1

Lab Sample ID: LCS 580-384505/2-A

Matrix: Water

Analysis Batch: 384567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 384505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
#2 Diesel (C10-C24)	4000	3060		ug/L		76	50 - 120	
Motor Oil (>C24-C36)	4000	3460		ug/L		86	64 - 120	

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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

Lab Sample ID: LCS 580-384505/2-A

Matrix: Water

Analysis Batch: 384567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 384505

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	72		50 - 150

Lab Sample ID: LCSD 580-384505/3-A

Matrix: Water

Analysis Batch: 384567

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 384505

Top Bottom 05/10/01											
			Spike	LCSD	LCSD						
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limits
#2 Diesel (C10-C24)			4000	3120		ug/L		78	50 - 120	2	26
Motor Oil (>C24-C36)			4000	3690		ug/L		92	64 - 120	6	24
Bottom Bottom 05/10/01											
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
o-Terphenyl	77		50 - 150								

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-384728/23-A

Matrix: Water

Analysis Batch: 385009

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 384728

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.40	0.040	ug/L		03/22/22 17:59	03/23/22 15:10	1

Lab Sample ID: LCS 580-384728/24-A

Matrix: Water

Analysis Batch: 385009

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 384728

			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Lead			1000	989		ug/L		99	80 - 120

Lab Sample ID: LCSD 580-384728/25-A

Matrix: Water

Analysis Batch: 385009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 384728

		Spike	LCSD	LCSD				%Rec.	RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead		1000	991		ug/L		99	80 - 120	0	20

Lab Sample ID: MB 580-383660/20-B

Matrix: Water

Analysis Batch: 383980

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 383799

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.40	0.040	ug/L		03/14/22 17:34	03/15/22 17:21	1

Lab Sample ID: LCS 580-383660/21-B

Matrix: Water

Analysis Batch: 383980

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 383799

			Spike	LCS	LCS				%Rec.
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits
Lead			1000	982		ug/L		98	80 - 120

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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

Lab Sample ID: LCSD 580-383660/22-B
Matrix: Water
Analysis Batch: 383980

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 383799

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

QC Association Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

GC/MS VOA

Analysis Batch: 384333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Total/NA	Water	8260D	
580-111299-2	MW-2_20220308	Total/NA	Water	8260D	
580-111299-3	MW-3_20220308	Total/NA	Water	8260D	
580-111299-5	MW-5_20220308	Total/NA	Water	8260D	
580-111299-6	MW-6_20220308	Total/NA	Water	8260D	
580-111299-7	Trip Blank_20220308	Total/NA	Water	8260D	
MB 580-384333/5	Method Blank	Total/NA	Water	8260D	
LCS 580-384333/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-384333/7	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 384337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Total/NA	Water	NWTPH-Gx	
580-111299-2	MW-2_20220308	Total/NA	Water	NWTPH-Gx	
580-111299-3	MW-3_20220308	Total/NA	Water	NWTPH-Gx	
580-111299-5	MW-5_20220308	Total/NA	Water	NWTPH-Gx	
580-111299-6	MW-6_20220308	Total/NA	Water	NWTPH-Gx	
580-111299-7	Trip Blank_20220308	Total/NA	Water	NWTPH-Gx	
MB 580-384337/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-384337/8	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-384337/9	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 384530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-4	MW-4_20220308	Total/NA	Water	8260D	
MB 580-384530/5	Method Blank	Total/NA	Water	8260D	
LCS 580-384530/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-384530/7	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 384534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-4	MW-4_20220308	Total/NA	Water	NWTPH-Gx	
MB 580-384534/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-384534/8	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-384534/9	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 384505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Total/NA	Water	3510C	
580-111299-2	MW-2_20220308	Total/NA	Water	3510C	
580-111299-3	MW-3_20220308	Total/NA	Water	3510C	
580-111299-4	MW-4_20220308	Total/NA	Water	3510C	
580-111299-5	MW-5_20220308	Total/NA	Water	3510C	
580-111299-6	MW-6_20220308	Total/NA	Water	3510C	
MB 580-384505/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-384505/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-384505/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

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QC Association Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

GC Semi VOA

Analysis Batch: 384567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Total/NA	Water	NWTPH-Dx	384505
580-111299-2	MW-2_20220308	Total/NA	Water	NWTPH-Dx	384505
580-111299-3	MW-3_20220308	Total/NA	Water	NWTPH-Dx	384505
580-111299-4	MW-4_20220308	Total/NA	Water	NWTPH-Dx	384505
580-111299-5	MW-5_20220308	Total/NA	Water	NWTPH-Dx	384505
580-111299-6	MW-6_20220308	Total/NA	Water	NWTPH-Dx	384505
MB 580-384505/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	384505
LCS 580-384505/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	384505
LCSD 580-384505/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	384505

Metals

Filtration Batch: 383660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Dissolved	Water	FILTRATION	
580-111299-2	MW-2_20220308	Dissolved	Water	FILTRATION	
580-111299-3	MW-3_20220308	Dissolved	Water	FILTRATION	
580-111299-4	MW-4_20220308	Dissolved	Water	FILTRATION	
580-111299-5	MW-5_20220308	Dissolved	Water	FILTRATION	
580-111299-6	MW-6_20220308	Dissolved	Water	FILTRATION	
MB 580-383660/20-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-383660/21-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-383660/22-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Prep Batch: 383799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Dissolved	Water	3005A	383660
580-111299-2	MW-2_20220308	Dissolved	Water	3005A	383660
580-111299-3	MW-3_20220308	Dissolved	Water	3005A	383660
580-111299-4	MW-4_20220308	Dissolved	Water	3005A	383660
580-111299-5	MW-5_20220308	Dissolved	Water	3005A	383660
580-111299-6	MW-6_20220308	Dissolved	Water	3005A	383660
MB 580-383660/20-B	Method Blank	Dissolved	Water	3005A	383660
LCS 580-383660/21-B	Lab Control Sample	Dissolved	Water	3005A	383660
LCSD 580-383660/22-B	Lab Control Sample Dup	Dissolved	Water	3005A	383660

Analysis Batch: 383980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Dissolved	Water	6020B	383799
580-111299-2	MW-2_20220308	Dissolved	Water	6020B	383799
580-111299-3	MW-3_20220308	Dissolved	Water	6020B	383799
580-111299-4	MW-4_20220308	Dissolved	Water	6020B	383799
580-111299-5	MW-5_20220308	Dissolved	Water	6020B	383799
580-111299-6	MW-6_20220308	Dissolved	Water	6020B	383799
MB 580-383660/20-B	Method Blank	Dissolved	Water	6020B	383799
LCS 580-383660/21-B	Lab Control Sample	Dissolved	Water	6020B	383799
LCSD 580-383660/22-B	Lab Control Sample Dup	Dissolved	Water	6020B	383799

Prep Batch: 384728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Total Recoverable	Water	3005A	

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QC Association Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Metals (Continued)

Prep Batch: 384728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-2	MW-2_20220308	Total Recoverable	Water	3005A	
580-111299-3	MW-3_20220308	Total Recoverable	Water	3005A	
580-111299-4	MW-4_20220308	Total Recoverable	Water	3005A	
580-111299-5	MW-5_20220308	Total Recoverable	Water	3005A	
580-111299-6	MW-6_20220308	Total Recoverable	Water	3005A	
MB 580-384728/23-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-384728/24-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-384728/25-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 385009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-111299-1	MW-1_20220308	Total Recoverable	Water	6020B	384728
580-111299-2	MW-2_20220308	Total Recoverable	Water	6020B	384728
580-111299-3	MW-3_20220308	Total Recoverable	Water	6020B	384728
580-111299-4	MW-4_20220308	Total Recoverable	Water	6020B	384728
580-111299-5	MW-5_20220308	Total Recoverable	Water	6020B	384728
580-111299-6	MW-6_20220308	Total Recoverable	Water	6020B	384728
MB 580-384728/23-A	Method Blank	Total Recoverable	Water	6020B	384728
LCS 580-384728/24-A	Lab Control Sample	Total Recoverable	Water	6020B	384728
LCSD 580-384728/25-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	384728

Lab Chronicle

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: MW-1_20220308

Lab Sample ID: 580-111299-1

Date Collected: 03/08/22 14:15

Matrix: Water

Date Received: 03/11/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	384333	03/18/22 17:26	B1M	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	384337	03/18/22 17:26	B1M	FGS SEA
Total/NA	Prep	3510C			384505	03/21/22 09:51	JJY	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	384567	03/21/22 23:39	W1T	FGS SEA
Dissolved	Filtration	FILTRATION			383660	03/11/22 21:34	TMH	FGS SEA
Dissolved	Prep	3005A			383799	03/14/22 17:34	ABP	FGS SEA
Dissolved	Analysis	6020B		5	383980	03/15/22 19:16	FCW	FGS SEA
Total Recoverable	Prep	3005A			384728	03/22/22 17:59	ABP	FGS SEA
Total Recoverable	Analysis	6020B		5	385009	03/23/22 16:08	FCW	FGS SEA

Client Sample ID: MW-2_20220308

Lab Sample ID: 580-111299-2

Date Collected: 03/08/22 09:10

Matrix: Water

Date Received: 03/11/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	384333	03/18/22 17:50	B1M	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	384337	03/18/22 17:50	B1M	FGS SEA
Total/NA	Prep	3510C			384505	03/21/22 09:51	JJY	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	384567	03/21/22 23:19	W1T	FGS SEA
Dissolved	Filtration	FILTRATION			383660	03/11/22 21:34	TMH	FGS SEA
Dissolved	Prep	3005A			383799	03/14/22 17:34	ABP	FGS SEA
Dissolved	Analysis	6020B		5	383980	03/15/22 18:22	FCW	FGS SEA
Total Recoverable	Prep	3005A			384728	03/22/22 17:59	ABP	FGS SEA
Total Recoverable	Analysis	6020B		5	385009	03/23/22 16:12	FCW	FGS SEA

Client Sample ID: MW-3_20220308

Lab Sample ID: 580-111299-3

Date Collected: 03/08/22 11:05

Matrix: Water

Date Received: 03/11/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	384333	03/18/22 18:13	B1M	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	384337	03/18/22 18:13	B1M	FGS SEA
Total/NA	Prep	3510C			384505	03/21/22 09:51	JJY	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	384567	03/21/22 23:58	W1T	FGS SEA
Dissolved	Filtration	FILTRATION			383660	03/11/22 21:34	TMH	FGS SEA
Dissolved	Prep	3005A			383799	03/14/22 17:34	ABP	FGS SEA
Dissolved	Analysis	6020B		5	383980	03/15/22 18:26	FCW	FGS SEA
Total Recoverable	Prep	3005A			384728	03/22/22 17:59	ABP	FGS SEA
Total Recoverable	Analysis	6020B		5	385009	03/23/22 16:16	FCW	FGS SEA

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Lab Chronicle

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: MW-4_20220308

Lab Sample ID: 580-111299-4

Date Collected: 03/08/22 12:05

Matrix: Water

Date Received: 03/11/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	384530	03/21/22 16:58	B1M	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	384534	03/21/22 16:58	B1M	FGS SEA
Total/NA	Prep	3510C			384505	03/21/22 09:51	JJY	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	384567	03/22/22 00:17	W1T	FGS SEA
Dissolved	Filtration	FILTRATION			383660	03/11/22 21:34	TMH	FGS SEA
Dissolved	Prep	3005A			383799	03/14/22 17:34	ABP	FGS SEA
Dissolved	Analysis	6020B		5	383980	03/15/22 18:30	FCW	FGS SEA
Total Recoverable	Prep	3005A			384728	03/22/22 17:59	ABP	FGS SEA
Total Recoverable	Analysis	6020B		5	385009	03/23/22 16:20	FCW	FGS SEA

Client Sample ID: MW-5_20220308

Lab Sample ID: 580-111299-5

Date Collected: 03/08/22 13:15

Matrix: Water

Date Received: 03/11/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	384333	03/18/22 19:01	B1M	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	384337	03/18/22 19:01	B1M	FGS SEA
Total/NA	Prep	3510C			384505	03/21/22 09:51	JJY	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	384567	03/22/22 00:37	W1T	FGS SEA
Dissolved	Filtration	FILTRATION			383660	03/11/22 21:34	TMH	FGS SEA
Dissolved	Prep	3005A			383799	03/14/22 17:34	ABP	FGS SEA
Dissolved	Analysis	6020B		5	383980	03/15/22 18:34	FCW	FGS SEA
Total Recoverable	Prep	3005A			384728	03/22/22 17:59	ABP	FGS SEA
Total Recoverable	Analysis	6020B		5	385009	03/23/22 16:39	FCW	FGS SEA

Client Sample ID: MW-6_20220308

Lab Sample ID: 580-111299-6

Date Collected: 03/08/22 10:05

Matrix: Water

Date Received: 03/11/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	384333	03/18/22 19:25	B1M	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	384337	03/18/22 19:25	B1M	FGS SEA
Total/NA	Prep	3510C			384505	03/21/22 09:51	JJY	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	384567	03/22/22 01:16	W1T	FGS SEA
Dissolved	Filtration	FILTRATION			383660	03/11/22 21:34	TMH	FGS SEA
Dissolved	Prep	3005A			383799	03/14/22 17:34	ABP	FGS SEA
Dissolved	Analysis	6020B		5	383980	03/15/22 18:37	FCW	FGS SEA
Total Recoverable	Prep	3005A			384728	03/22/22 17:59	ABP	FGS SEA
Total Recoverable	Analysis	6020B		5	385009	03/23/22 16:43	FCW	FGS SEA

Eurofins Seattle

Lab Chronicle

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

Client Sample ID: Trip Blank_20220308
Date Collected: 03/08/22 00:00
Date Received: 03/11/22 13:35

Lab Sample ID: 580-111299-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	384333	03/18/22 18:37	B1M	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	384337	03/18/22 18:37	B1M	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 11060

Job ID: 580-111299-1

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

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

Method Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-111299-1

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
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	FGS SEA
6020B	Metals (ICP/MS)	SW846	FGS SEA
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	FGS SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	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 11060

Job ID: 580-111299-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-111299-1	MW-1_20220308	Water	03/08/22 14:15	03/11/22 13:35
580-111299-2	MW-2_20220308	Water	03/08/22 09:10	03/11/22 13:35
580-111299-3	MW-3_20220308	Water	03/08/22 11:05	03/11/22 13:35
580-111299-4	MW-4_20220308	Water	03/08/22 12:05	03/11/22 13:35
580-111299-5	MW-5_20220308	Water	03/08/22 13:15	03/11/22 13:35
580-111299-6	MW-6_20220308	Water	03/08/22 10:05	03/11/22 13:35
580-111299-7	Trip Blank_20220308	Water	03/08/22 00:00	03/11/22 13:35



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

BP Site Node Path: Former BP 11060
BP/RM Facility No: Former BP Facility No. 11060



580-111299 Chain of Custody

Req Due Date (mm/dd/yy): Standard TAT Rush TAT Yes No X
Lab Work Order Number:

Page 1 of 1

Lab Name: Test America	BP/ARC Facility Address: 4580 Fauntleroy Way SW	Consultant/Contractor: Antea Group																					
Lab Address: 5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code: Seattle, WA	Consultant/Contractor Project No: WA - 11060 Groundwater Monitoring																					
Lab PM: Elaine Walker	Lead Regulatory Agency: Washington State Department of Ecology	Address: 4006 148th Ave NE, Redmond, WA 98052																					
Lab Phone: 253.248.4972	California Global ID No.: NA	Consultant/Contractor PM: Megan Richard																					
Lab Shipping Acctn:	Enfos Proposal No: WR1027162/00C87-0002	Phone: 425-498-7711 Email: Megan.Richard@anteagroup.us																					
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU OOC-RM	Send/Submit EDD to: Megan.Richard@anteagroup.us																					
Other Info: M.Elaine.Walker@eurofinset.com	Stage Commercial-Site Activities (70) Activity Contracts Management (116)	Invoice To: BP-RM X BP/ARC X																					
BP/RM PM: Wade Melton	Sample Details	Requested Analyses																					
PM Phone: 360-594-7978		Report Type & QC Level																					
PM Email: wade.melton@bp.com		Limited (Standard) Package																					
		Limited Plus Package																					
		Full Package																					
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Filter	Pres	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Filter	Pres	Comments	
	MW-1 - 20220308	3/8/22	1415	W				G		X	X	X	X	X	X	X	X	X	X	X	X	X	
	MW-2 - 20220308	3/8/22	0910	W				G		X	X	X	X	X	X	X	X	X	X	X	X		
	MW-3 - 20220308	3/8/22	1105	W				G		X	X	X	X	X	X	X	X	X	X	X	X		
	MW-4 - 20220308	3/8/22	1205	W				G		X	X	X	X	X	X	X	X	X	X	X	X		
	MW-5 - 20220308	3/8/22	1315	W				G		X	X	X	X	X	X	X	X	X	X	X	X		
	MW-6 - 20220308	3/8/22	1005	W				G		X	X	X	X	X	X	X	X	X	X	X	X		
	Trip Blank - 20220308	3/8/22	0000	W				G		X		X											
Sampler's Name: Nathan Han + Sam Hinz	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time																	
Sampler's Company: Antea Group		3/11/22	1335		3/11/22	1335																	
Ship Method: Carrier Ship Date:																							
Shipment Tracking No:																							
Special Instructions (select VOCs by EPA 8260 analysis for the following): (1) 1,3-Butadiene (2) Chloroform (3) Ethanol (4) Hexane (5) Vinyl Chloride (6) 1,1-DCE (7) Cis-1,2-DCE (8) Trans-1,2 Dichloroethene (9) 1,1,2-trichloroethane (10) TCE (11) PCE																							
THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No																							

BP LaMP Soil/H2O COC July 2018

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-111299-1

Login Number: 111299

List Number: 1

Creator: Presley, Kim A

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (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.: 580-111299-1

SDG No.: _____

Batch Number: 384333 Batch Start Date: 03/18/22 11:05 Batch Analyst: Mautz, Brady 1Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00080	VOASTDGASweek 00090
MB 580-384333/5		8260D		5 mL	5 mL		1 uL		
LCS 580-384333/6		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
LCSD 580-384333/7		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
580-111299-A-1	MW-1_20220308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-2	MW-2_20220308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-3	MW-3_20220308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-7	Trip Blank 20220308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-5	MW-5_20220308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-6	MW-6_20220308	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.

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 384530 Batch Start Date: 03/21/22 10:38 Batch Analyst: Mautz, Brady 1Batch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00080	VOASTDGASweek 00090
MB 580-384530/5		8260D		5 mL	5 mL		1 uL		
LCS 580-384530/6		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
LCSD 580-384530/7		8260D		5 mL	5 mL		1 uL	10 uL	10 uL
580-111299-B-4	MW-4_20220308	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.

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 384337 Batch Start Date: 03/18/22 11:05 Batch Analyst: Mautz, Brady 1Batch 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 580-384337/5		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-384337/8		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-384337/9		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-111299-A-1	MW-1_20220308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-2	MW-2_20220308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-3	MW-3_20220308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-7	Trip Blank 20220308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-5	MW-5_20220308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-111299-A-6	MW-6_20220308	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.

NWTPH-Gx

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 384534 Batch Start Date: 03/21/22 10:38 Batch Analyst: Mautz, Brady 1Batch 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 580-384534/5		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-384534/8		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-384534/9		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-111299-B-4	MW-4_20220308	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.

NWTPH-Gx

Page 1 of 1

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins SeattleJob No.: 580-111299-1

SDG No.: _____

Batch Number: 384505Batch Start Date: 03/21/22 09:50Batch Analyst: Yu, Johnathon JBatch Method: 3510CBatch End Date: 03/21/22 16:34

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-384505/1		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
LCS 580-384505/2		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
LCSD 580-384505/3		3510C, NWTPH-Dx				250 mL	2 mL	7 SU	2 SU
580-111299-H-2	MW-2_20220308	3510C, NWTPH-Dx	T	00398.67 g	00167.55 g	231.1 mL	2 mL	2 SU	2 SU
580-111299-G-1	MW-1_20220308	3510C, NWTPH-Dx	T	00406.64 g	00166.86 g	239.8 mL	2 mL	2 SU	2 SU
580-111299-H-3	MW-3_20220308	3510C, NWTPH-Dx	T	00407.73 g	00167.87 g	239.9 mL	2 mL	2 SU	2 SU
580-111299-G-4	MW-4_20220308	3510C, NWTPH-Dx	T	00411.19 g	00167.50 g	243.7 mL	2 mL	2 SU	2 SU
580-111299-H-5	MW-5_20220308	3510C, NWTPH-Dx	T	00407.43 g	00165.15 g	242.3 mL	2 mL	2 SU	2 SU
580-111299-H-6	MW-6_20220308	3510C, NWTPH-Dx	T	00407.33 g	00167.11 g	240.2 mL	2 mL	2 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00032	TPH_WaterSurr 00080			
MB 580-384505/1		3510C, NWTPH-Dx		N/A SU		100 uL			
LCS 580-384505/2		3510C, NWTPH-Dx		N/A SU	100 uL	100 uL			
LCSD 580-384505/3		3510C, NWTPH-Dx		N/A SU	100 uL	100 uL			
580-111299-H-2	MW-2_20220308	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-111299-G-1	MW-1_20220308	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-111299-H-3	MW-3_20220308	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-111299-G-4	MW-4_20220308	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-111299-H-5	MW-5_20220308	3510C, NWTPH-Dx	T	N/A SU		100 uL			
580-111299-H-6	MW-6_20220308	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.

NWTPH-Dx

Page 1 of 2

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 384505 Batch Start Date: 03/21/22 09:50 Batch Analyst: Yu, Johnathon JBatch Method: 3510C Batch End Date: 03/21/22 16:34

Batch Notes	
Method/Fraction	3510C_LVI / NWTPH_Dx/ DRO
Balance ID	SEA225
pH Indicator ID	6908005 / 6003005
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	JJY/JHR
Reagent Water ID	DI
Analyst ID - Spike Analyst	JJY
Analyst ID - Spike Witness Analyst	JHR
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	2930180
Prep Solvent ID	3076037
Prep Solvent Volume Used	100 mL
Filter ID	3022575
Na2SO4 ID	3019520
Analyst ID - Concentration	JJY
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	Turbovap5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	38.0 Degrees C
Concentration 2 Corrected Temperature	36.0 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: JJY

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.

NWTPH-Dx

Page 2 of 2

METALS BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 383660 Batch Start Date: 03/11/22 21:34 Batch Analyst: Hua, Tammy MBatch Method: FILTRATION Batch End Date: 03/13/22 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-111299-J-1	MW-1_20220308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-111299-J-2	MW-2_20220308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-111299-J-3	MW-3_20220308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-111299-J-4	MW-4_20220308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-111299-J-5	MW-5_20220308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-111299-J-6	MW-6_20220308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
MB 580-383660/20		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCS 580-383660/21		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCSD 580-383660/22		FILTRATION, 3005A, 6020B		250 mL	250 mL				

Batch Notes	
Filter ID	17398713
Nitric Acid ID	3059237

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.

6020B

Page 1 of 1

METALS BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 383799 Batch Start Date: 03/14/22 17:34 Batch Analyst: Pineda, Abigail BBatch Method: 3005A Batch End Date: 03/14/22 23:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00017	ICP CAL 2 00015	MET Spike 3C 00034	
580-111299-J-2-A	MW-2_20220308	3005A, 6020B	D	50 mL	50 mL				
580-111299-J-3-A	MW-3_20220308	3005A, 6020B	D	50 mL	50 mL				
580-111299-J-4-A	MW-4_20220308	3005A, 6020B	D	50 mL	50 mL				
580-111299-J-5-A	MW-5_20220308	3005A, 6020B	D	50 mL	50 mL				
580-111299-J-6-A	MW-6_20220308	3005A, 6020B	D	50 mL	50 mL				
580-111299-J-1-A	MW-1_20220308	3005A, 6020B	D	50 mL	50 mL				
MB 580-383660/20-A		3005A, 6020B		50 mL	50 mL				
LCS 580-383660/21-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-383660/22-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.

6020B

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METALS BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 383799 Batch Start Date: 03/14/22 17:34 Batch Analyst: Pineda, Abigail BBatch Method: 3005A Batch End Date: 03/14/22 23:40

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	3095392
Digestion Unit ID	BLOCK E
Thermometer ID	700396
Thermometer Location ID	E30
Temperature - Uncorrected - Start	91.0 Degrees C
Temperature - Corrected - Start	91.1 Degrees C
Digestion Start Time	03/14/2022 19:40
Digestion End Time	03/14/2022 23:40
Temperature - Uncorrected - End	91.0 Degrees C
Temperature - Corrected - End	91.1 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.

6020B

Page 2 of 2

METALS BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 384728 Batch Start Date: 03/22/22 17:59 Batch Analyst: Pineda, Abigail BBatch Method: 3005A Batch End Date: 03/22/22 23:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00017	ICP CAL 2 00015	MET Spike 3C 00034	
580-111299-I-1	MW-1_20220308	3005A, 6020B	R	50 mL	50 mL				
580-111299-I-2	MW-2_20220308	3005A, 6020B	R	50 mL	50 mL				
580-111299-I-3	MW-3_20220308	3005A, 6020B	R	50 mL	50 mL				
580-111299-I-4	MW-4_20220308	3005A, 6020B	R	50 mL	50 mL				
580-111299-I-5	MW-5_20220308	3005A, 6020B	R	50 mL	50 mL				
580-111299-I-6	MW-6_20220308	3005A, 6020B	R	50 mL	50 mL				
MB 580-384728/23		3005A, 6020B		50 mL	50 mL				
LCS 580-384728/24		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-384728/25		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	3066000
Nitric Acid ID	3103428
Digestion Unit ID	BLOCK A
Thermometer ID	1108438
Thermometer Location ID	A7
Temperature - Uncorrected - Start	91.0 Degrees C
Temperature - Corrected - Start	90.6 Degrees C
Digestion Start Time	03/22/2022 19:00
Digestion End Time	03/15/2022 23:00
Temperature - Uncorrected - End	91.0 Degrees C
Temperature - Corrected - End	90.6 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.

6020B

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METALS BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-111299-1

SDG No.: _____

Batch Number: 384728 Batch Start Date: 03/22/22 17:59 Batch Analyst: Pineda, Abigail B

Batch Method: 3005A Batch End Date: 03/22/22 23:00

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.

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ANALYTICAL REPORT

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

Laboratory Job ID: 580-115231-1
Client Project/Site: BP - ARCO 11060

For:
Antea USA Inc.
3855 Precision Drive
Suite 160
Loveland, Colorado 80538

Attn: Lonnie Dent



Authorized for release by:
7/31/2022 6:05:16 PM

Elaine Walker, Project Manager II
(253)248-4972
M.Elaine.Walker@et.eurofinsus.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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 11060

Job ID: 580-115231-1

Job ID: 580-115231-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative 580-115231-1

Receipt

Six samples were received on 6/24/2022 1:50 PM. 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 3.0° C.

GC/MS VOA

Methods 8260C, 8260D: The continuing calibration verification (CCV) associated with batch 410-272405 recovered above the upper control limit for Benzene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): Trip Blank_20220622 (580-115231-6). The sample container was received with headspace.

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

GC VOA

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

GC Semi VOA

Method NWTPH-Dx: Surrogate recovery was outside acceptance limits for the following sample duplicate (DUP) sample: (580-115231-H-2-B DU). The parent sample's surrogate recovery was within limits. The data has been qualified and 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 above or in the Definitions/Glossary page.

Detection Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Client Sample ID: MW-1_20220622

Lab Sample ID: 580-115231-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (C12-C24)	630		100	45	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-2_20220622

Lab Sample ID: 580-115231-2

No Detections.

Client Sample ID: MW-3_20220622

Lab Sample ID: 580-115231-3

No Detections.

Client Sample ID: MW-4_20220622

Lab Sample ID: 580-115231-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	15		1.0	0.30	ug/L	1		8260D	Total/NA
Ethylbenzene	45		1.0	0.40	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	270		5.0	2.0	ug/L	1		8260D	Total/NA
o-Xylene	70		1.0	0.40	ug/L	1		8260D	Total/NA
Toluene	10		1.0	0.20	ug/L	1		8260D	Total/NA
Xylenes, Total	340		1.0	0.40	ug/L	1		8260D	Total/NA
Gasoline Range Organics (C7-C12)	6800		1300	110	ug/L	5		NWTPH-Gx	Total/NA
Diesel Range Organics (C12-C24)	7000		210	93	ug/L	2		NWTPH-Dx	Total/NA
Lead	110		0.50	0.071	ug/L	1		6020B	Total
Lead	48		0.50	0.071	ug/L	1		6020B	Recoverable Dissolved

Client Sample ID: MW-6_20220622

Lab Sample ID: 580-115231-5

No Detections.

Client Sample ID: Trip Blank_20220622

Lab Sample ID: 580-115231-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Client Sample ID: MW-1_20220622

Lab Sample ID: 580-115231-1

Date Collected: 06/22/22 14:30

Matrix: Water

Date Received: 06/24/22 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			07/05/22 20:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/05/22 20:55	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/05/22 20:55	1
m-Xylene & p-Xylene	ND		5.0	2.0	ug/L			07/05/22 20:55	1
o-Xylene	ND		1.0	0.40	ug/L			07/05/22 20:55	1
Toluene	ND		1.0	0.20	ug/L			07/05/22 20:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/05/22 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		07/05/22 20:55	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		07/05/22 20:55	1
4-Bromofluorobenzene (Surr)	105		80 - 120		07/05/22 20:55	1
Dibromofluoromethane (Surr)	106		80 - 120		07/05/22 20:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C7-C12)	ND		250	22	ug/L			06/29/22 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	100		50 - 150					06/29/22 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C12-C24)	630		100	45	ug/L		07/06/22 16:15	07/07/22 19:47	1
Motor Oil Range Organics (C24-C40)	ND		250	100	ug/L		07/06/22 16:15	07/07/22 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	101		50 - 150				07/06/22 16:15	07/07/22 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/05/22 05:59	07/28/22 08:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/01/22 05:50	07/05/22 18:40	1

Client Sample ID: MW-2_20220622

Lab Sample ID: 580-115231-2

Date Collected: 06/22/22 10:40

Matrix: Water

Date Received: 06/24/22 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			07/05/22 21:15	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/05/22 21:15	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/05/22 21:15	1
m-Xylene & p-Xylene	ND		5.0	2.0	ug/L			07/05/22 21:15	1
o-Xylene	ND		1.0	0.40	ug/L			07/05/22 21:15	1
Toluene	ND		1.0	0.20	ug/L			07/05/22 21:15	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/05/22 21:15	1

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Client Sample ID: MW-2_20220622

Lab Sample ID: 580-115231-2

Date Collected: 06/22/22 10:40

Matrix: Water

Date Received: 06/24/22 11:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		07/05/22 21:15	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		07/05/22 21:15	1
4-Bromofluorobenzene (Surr)	96		80 - 120		07/05/22 21:15	1
Dibromofluoromethane (Surr)	107		80 - 120		07/05/22 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C7-C12)	ND		250	22	ug/L			06/29/22 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	100		50 - 150		06/29/22 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C12-C24)	ND		100	46	ug/L		07/06/22 16:15	07/07/22 20:10	1
Motor Oil Range Organics (C24-C40)	ND		260	100	ug/L		07/06/22 16:15	07/07/22 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	103		50 - 150	07/06/22 16:15	07/07/22 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/05/22 05:59	07/28/22 08:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/02/22 04:36	07/09/22 12:47	1

Client Sample ID: MW-3_20220622

Lab Sample ID: 580-115231-3

Date Collected: 06/22/22 12:25

Matrix: Water

Date Received: 06/24/22 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			07/05/22 21:35	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/05/22 21:35	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/05/22 21:35	1
m-Xylene & p-Xylene	ND		5.0	2.0	ug/L			07/05/22 21:35	1
o-Xylene	ND		1.0	0.40	ug/L			07/05/22 21:35	1
Toluene	ND		1.0	0.20	ug/L			07/05/22 21:35	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/05/22 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		07/05/22 21:35	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		07/05/22 21:35	1
4-Bromofluorobenzene (Surr)	102		80 - 120		07/05/22 21:35	1
Dibromofluoromethane (Surr)	108		80 - 120		07/05/22 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C7-C12)	ND		250	22	ug/L			06/29/22 18:18	1

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Client Sample ID: MW-3_20220622

Lab Sample ID: 580-115231-3

Date Collected: 06/22/22 12:25

Matrix: Water

Date Received: 06/24/22 11:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	99		50 - 150		06/29/22 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C12-C24)	ND		100	46	ug/L		07/06/22 16:15	07/07/22 20:56	1
Motor Oil Range Organics (C24-C40)	ND		250	100	ug/L		07/06/22 16:15	07/07/22 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	98		50 - 150	07/06/22 16:15	07/07/22 20:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/05/22 05:59	07/28/22 08:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/01/22 05:50	07/05/22 18:52	1

Client Sample ID: MW-4_20220622

Lab Sample ID: 580-115231-4

Date Collected: 06/22/22 13:25

Matrix: Water

Date Received: 06/24/22 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15		1.0	0.30	ug/L			07/06/22 00:33	1
Ethylbenzene	45		1.0	0.40	ug/L			07/06/22 00:33	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/06/22 00:33	1
m-Xylene & p-Xylene	270		5.0	2.0	ug/L			07/06/22 00:33	1
o-Xylene	70		1.0	0.40	ug/L			07/06/22 00:33	1
Toluene	10		1.0	0.20	ug/L			07/06/22 00:33	1
Xylenes, Total	340		1.0	0.40	ug/L			07/06/22 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		07/06/22 00:33	1
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		07/06/22 00:33	1
4-Bromofluorobenzene (Surr)	101		80 - 120		07/06/22 00:33	1
Dibromofluoromethane (Surr)	105		80 - 120		07/06/22 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C7-C12)	6800		1300	110	ug/L			06/30/22 22:03	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	101		50 - 150		06/30/22 22:03	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C12-C24)	7000		210	93	ug/L		07/06/22 16:15	07/13/22 13:32	2
Motor Oil Range Organics (C24-C40)	ND		260	100	ug/L		07/06/22 16:15	07/07/22 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	84		50 - 150	07/06/22 16:15	07/07/22 21:19	1

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Client Sample ID: MW-4_20220622

Lab Sample ID: 580-115231-4

Date Collected: 06/22/22 13:25

Matrix: Water

Date Received: 06/24/22 11:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -terphenyl (Surr)	81		50 - 150	07/06/22 16:15	07/13/22 13:32	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		0.50	0.071	ug/L		07/05/22 05:59	07/28/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	48		0.50	0.071	ug/L		07/01/22 05:50	07/05/22 19:01	1

Client Sample ID: MW-6_20220622

Lab Sample ID: 580-115231-5

Date Collected: 06/22/22 11:35

Matrix: Water

Date Received: 06/24/22 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			07/05/22 21:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/05/22 21:55	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/05/22 21:55	1
m-Xylene & p-Xylene	ND		5.0	2.0	ug/L			07/05/22 21:55	1
o-Xylene	ND		1.0	0.40	ug/L			07/05/22 21:55	1
Toluene	ND		1.0	0.20	ug/L			07/05/22 21:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/05/22 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8</i> (Surr)	91		80 - 120		07/05/22 21:55	1
<i>1,2-Dichloroethane-d4</i> (Surr)	106		80 - 120		07/05/22 21:55	1
<i>4-Bromofluorobenzene</i> (Surr)	101		80 - 120		07/05/22 21:55	1
<i>Dibromofluoromethane</i> (Surr)	106		80 - 120		07/05/22 21:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C7-C12)	ND		250	22	ug/L			06/29/22 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>a,a,a</i> -Trifluorotoluene (fid)	100		50 - 150		06/29/22 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C12-C24)	ND		100	46	ug/L		07/06/22 16:15	07/07/22 21:42	1
Motor Oil Range Organics (C24-C40)	ND		260	100	ug/L		07/06/22 16:15	07/07/22 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -terphenyl (Surr)	93		50 - 150	07/06/22 16:15	07/07/22 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/05/22 05:59	07/28/22 08:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/01/22 05:50	07/05/22 18:54	1

Eurofins Seattle

Client Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Client Sample ID: Trip Blank_20220622

Lab Sample ID: 580-115231-6

Date Collected: 06/22/22 00:00

Matrix: Water

Date Received: 06/24/22 11:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			07/05/22 20:36	1
Toluene	ND		1.0	0.20	ug/L			07/05/22 20:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/05/22 20:36	1
m-Xylene & p-Xylene	ND		5.0	2.0	ug/L			07/05/22 20:36	1
o-Xylene	ND		1.0	0.40	ug/L			07/05/22 20:36	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/05/22 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		07/05/22 20:36	1
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		07/05/22 20:36	1
4-Bromofluorobenzene (Surr)	100		80 - 120		07/05/22 20:36	1
Dibromofluoromethane (Surr)	107		80 - 120		07/05/22 20:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C7-C12)	ND		250	22	ug/L			06/29/22 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	100		50 - 150		06/29/22 15:43	1

Surrogate Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (80-120)	BFB (80-120)	DBFM (80-120)
580-115231-1	MW-1_20220622	90	103	105	106
580-115231-2	MW-2_20220622	90	104	96	107
580-115231-3	MW-3_20220622	93	110	102	108
580-115231-4	MW-4_20220622	92	101	101	105
580-115231-5	MW-6_20220622	91	106	101	106
580-115231-6	Trip Blank_20220622	87	105	100	107
LCS 410-272405/4	Lab Control Sample	91	101	100	105
MB 410-272405/6	Method Blank	89	106	101	108

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)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TFT-F1 (50-150)			
580-115231-1	MW-1_20220622	100			
580-115231-1 MS	MW-1_20220622	93			
580-115231-1 MSD	MW-1_20220622	92			
580-115231-2	MW-2_20220622	100			
580-115231-3	MW-3_20220622	99			
580-115231-4	MW-4_20220622	101			
580-115231-5	MW-6_20220622	100			
580-115231-6	Trip Blank_20220622	100			
LCS 410-270701/5	Lab Control Sample	92			
LCS 410-271188/5	Lab Control Sample	92			
LCSD 410-270701/6	Lab Control Sample Dup	92			
LCSD 410-271188/6	Lab Control Sample Dup	92			
MB 410-270701/4	Method Blank	100			
MB 410-271188/4	Method Blank	101			

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		OTP (50-150)			
580-115231-1	MW-1_20220622	101			
580-115231-2	MW-2_20220622	103			
580-115231-2 DU	MW-2_20220622	13 S1-			
580-115231-3	MW-3_20220622	98			
580-115231-4	MW-4_20220622	84			
580-115231-4	MW-4_20220622	81			

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Surrogate Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTP (50-150)
580-115231-5	MW-6_20220622	93
LCS 410-272832/2-A	Lab Control Sample	101
LCSD 410-272832/3-A	Lab Control Sample Dup	103
MB 410-272832/1-A	Method Blank	105

Surrogate Legend

OTP = o- terphenyl (Surr)

QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

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

Lab Sample ID: MB 410-272405/6

Matrix: Water

Analysis Batch: 272405

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	0.30	ug/L			07/05/22 20:16	1
Ethylbenzene	ND		1.0	0.40	ug/L			07/05/22 20:16	1
Methyl tert-butyl ether	ND		1.0	0.20	ug/L			07/05/22 20:16	1
m-Xylene & p-Xylene	ND		5.0	2.0	ug/L			07/05/22 20:16	1
o-Xylene	ND		1.0	0.40	ug/L			07/05/22 20:16	1
Toluene	ND		1.0	0.20	ug/L			07/05/22 20:16	1
Xylenes, Total	ND		1.0	0.40	ug/L			07/05/22 20:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		07/05/22 20:16	1
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		07/05/22 20:16	1
4-Bromofluorobenzene (Surr)	101		80 - 120		07/05/22 20:16	1
Dibromofluoromethane (Surr)	108		80 - 120		07/05/22 20:16	1

Lab Sample ID: LCS 410-272405/4

Matrix: Water

Analysis Batch: 272405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.0	22.9		ug/L		114	80 - 120
Ethylbenzene	20.0	18.3		ug/L		92	80 - 120
Methyl tert-butyl ether	20.0	22.6		ug/L		113	69 - 122
m-Xylene & p-Xylene	40.0	37.3		ug/L		93	80 - 120
o-Xylene	20.0	18.3		ug/L		92	80 - 120
Toluene	20.0	18.9		ug/L		94	80 - 120
Xylenes, Total	60.0	55.6		ug/L		93	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	91		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	105		80 - 120

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

Lab Sample ID: MB 410-270701/4

Matrix: Water

Analysis Batch: 270701

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C7-C12)	ND		250	22	ug/L			06/29/22 13:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	100		50 - 150		06/29/22 13:35	1

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

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

Lab Sample ID: LCS 410-270701/5

Matrix: Water

Analysis Batch: 270701

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C7-C12)			1100	1030		ug/L		94	64 - 131		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
a,a,a-Trifluorotoluene (fid)		92		50 - 150							

Lab Sample ID: LCSD 410-270701/6

Matrix: Water

Analysis Batch: 270701

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 Range Organics (C7-C12)			1100	1030		ug/L		94	64 - 131	0	30
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits							
a,a,a-Trifluorotoluene (fid)		92		50 - 150							

Lab Sample ID: 580-115231-1 MS

Matrix: Water

Analysis Batch: 270701

Client Sample ID: MW-1_20220622

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C7-C12)	ND		1120	1430		ug/L		107	80 - 120		
Surrogate		MS %Recovery	MS Qualifier	Limits							
a,a,a-Trifluorotoluene (fid)		93		50 - 150							

Lab Sample ID: 580-115231-1 MSD

Matrix: Water

Analysis Batch: 270701

Client Sample ID: MW-1_20220622

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C7-C12)	ND		1120	1440		ug/L		107	80 - 120	0	30
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
a,a,a-Trifluorotoluene (fid)		92		50 - 150							

Lab Sample ID: MB 410-271188/4

Matrix: Water

Analysis Batch: 271188

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C7-C12)	ND		250	22	ug/L			06/30/22 13:37	1
Surrogate		MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)		101		50 - 150				06/30/22 13:37	1

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

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

Lab Sample ID: LCS 410-271188/5

Matrix: Water

Analysis Batch: 271188

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (C7-C12)			1100	989		ug/L		90	64 - 131		
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
a,a,a-Trifluorotoluene (fid)	92		50 - 150								

Lab Sample ID: LCSD 410-271188/6

Matrix: Water

Analysis Batch: 271188

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Data: 27-Nov											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C7-C12)			1100	1010		ug/L	-	92	64 - 131	3	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
a,a,a-Trifluorotoluene (fid)	92		50 - 150								

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

Lab Sample ID: MB 410-272832/1-A

Matrix: Water

Analysis Batch: 273075

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 272832

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (C12-C24)	ND		100	45	ug/L		07/06/22 16:15	07/07/22 18:39	1
Motor Oil Range Organics (C24-C40)	ND		250	100	ug/L		07/06/22 16:15	07/07/22 18:39	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
o-terphenyl (Surr)	105		50 - 150	07/06/22 16:15	07/07/22 18:39	1			

Lab Sample ID: LCS 410-272832/2-A

Matrix: Water

Analysis Batch: 273075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 272832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (C12-C24)	600	298		ug/L		50	14 - 115
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-terphenyl (Surr)	101		50 - 150				

Lab Sample ID: LCSD 410-272832/3-A

Matrix: Water

Analysis Batch: 273075

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 272832

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (C12-C24)	600	303		ug/L		50	14 - 115	2	20

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QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

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

Lab Sample ID: LCSD 410-272832/3-A

Matrix: Water

Analysis Batch: 273075

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 272832

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -terphenyl (Surr)	103		50 - 150

Lab Sample ID: 580-115231-2 DU

Matrix: Water

Analysis Batch: 273075

Client Sample ID: MW-2_20220622

Prep Type: Total/NA

Prep Batch: 272832

	Sample	Sample		DU	DU					RPD
Analyte	Result	Qualifier		Result	Qualifier	Unit	D		RPD	Limit
Diesel Range Organics (C12-C24)	ND			ND		ug/L			NC	20
Motor Oil Range Organics (C24-C40)	ND			ND		ug/L			NC	20
	DU	DU								
Surrogate	%Recovery	Qualifier	Limits							
<i>o</i> -terphenyl (Surr)	13	S1-	50 - 150							

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-271524/1-A

Matrix: Water

Analysis Batch: 272482

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 271524

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	ND		0.50	0.071	ug/L		07/01/22 05:50	07/05/22 18:32	1	

Lab Sample ID: LCS 410-271524/2-A

Matrix: Water

Analysis Batch: 272482

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 271524

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Lead		50.0	50.2		ug/L		100	90 - 115		

Lab Sample ID: MB 410-271910/1-A

Matrix: Water

Analysis Batch: 273826

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 271910

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	ND		0.50	0.071	ug/L		07/02/22 04:36	07/09/22 11:56	1	

Lab Sample ID: LCS 410-271910/2-A

Matrix: Water

Analysis Batch: 273826

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 271910

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Lead		50.0	51.0		ug/L		102	90 - 115		

Eurofins Seattle

QC Sample Results

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

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

Lab Sample ID: MB 410-272075/1-A
Matrix: Water
Analysis Batch: 280564

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 272075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50	0.071	ug/L		07/05/22 05:59	07/28/22 08:00	1

Lab Sample ID: LCS 410-272075/2-A
Matrix: Water
Analysis Batch: 280564

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 272075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	50.0	49.6		ug/L		99	90 - 115

Lab Sample ID: 580-115231-1 MS
Matrix: Water
Analysis Batch: 272482

Client Sample ID: MW-1_20220622
Prep Type: Dissolved
Prep Batch: 271524

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		50.0	51.1		ug/L		102	75 - 125

Lab Sample ID: 580-115231-1 MSD
Matrix: Water
Analysis Batch: 272482

Client Sample ID: MW-1_20220622
Prep Type: Dissolved
Prep Batch: 271524

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		50.0	50.7		ug/L		101	75 - 125	1	20

Lab Sample ID: 580-115231-1 DU
Matrix: Water
Analysis Batch: 272482

Client Sample ID: MW-1_20220622
Prep Type: Dissolved
Prep Batch: 271524

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

QC Association Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

GC/MS VOA

Analysis Batch: 272405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Total/NA	Water	8260D	
580-115231-2	MW-2_20220622	Total/NA	Water	8260D	
580-115231-3	MW-3_20220622	Total/NA	Water	8260D	
580-115231-4	MW-4_20220622	Total/NA	Water	8260D	
580-115231-5	MW-6_20220622	Total/NA	Water	8260D	
580-115231-6	Trip Blank_20220622	Total/NA	Water	8260D	
MB 410-272405/6	Method Blank	Total/NA	Water	8260D	
LCS 410-272405/4	Lab Control Sample	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 270701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Total/NA	Water	NWTPH-Gx	
580-115231-2	MW-2_20220622	Total/NA	Water	NWTPH-Gx	
580-115231-3	MW-3_20220622	Total/NA	Water	NWTPH-Gx	
580-115231-5	MW-6_20220622	Total/NA	Water	NWTPH-Gx	
580-115231-6	Trip Blank_20220622	Total/NA	Water	NWTPH-Gx	
MB 410-270701/4	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 410-270701/5	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 410-270701/6	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
580-115231-1 MS	MW-1_20220622	Total/NA	Water	NWTPH-Gx	
580-115231-1 MSD	MW-1_20220622	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 271188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-4	MW-4_20220622	Total/NA	Water	NWTPH-Gx	
MB 410-271188/4	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 410-271188/5	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 410-271188/6	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 272832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Total/NA	Water	3510C	
580-115231-2	MW-2_20220622	Total/NA	Water	3510C	
580-115231-3	MW-3_20220622	Total/NA	Water	3510C	
580-115231-4	MW-4_20220622	Total/NA	Water	3510C	
580-115231-5	MW-6_20220622	Total/NA	Water	3510C	
MB 410-272832/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-272832/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-272832/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
580-115231-2 DU	MW-2_20220622	Total/NA	Water	3510C	

Analysis Batch: 273075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Total/NA	Water	NWTPH-Dx	272832
580-115231-2	MW-2_20220622	Total/NA	Water	NWTPH-Dx	272832
580-115231-3	MW-3_20220622	Total/NA	Water	NWTPH-Dx	272832
580-115231-4	MW-4_20220622	Total/NA	Water	NWTPH-Dx	272832
580-115231-5	MW-6_20220622	Total/NA	Water	NWTPH-Dx	272832

Eurofins Seattle

QC Association Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

GC Semi VOA (Continued)

Analysis Batch: 273075 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-272832/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	272832
LCS 410-272832/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	272832
LCSD 410-272832/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	272832
580-115231-2 DU	MW-2_20220622	Total/NA	Water	NWTPH-Dx	272832

Analysis Batch: 274537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-4	MW-4_20220622	Total/NA	Water	NWTPH-Dx	272832

Metals

Filtration Batch: 270525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Dissolved	Water	Filtration	
580-115231-2	MW-2_20220622	Dissolved	Water	Filtration	
580-115231-3	MW-3_20220622	Dissolved	Water	Filtration	
580-115231-4	MW-4_20220622	Dissolved	Water	Filtration	
580-115231-5	MW-6_20220622	Dissolved	Water	Filtration	
580-115231-1 MS	MW-1_20220622	Dissolved	Water	Filtration	
580-115231-1 MSD	MW-1_20220622	Dissolved	Water	Filtration	
580-115231-1 DU	MW-1_20220622	Dissolved	Water	Filtration	

Prep Batch: 271524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Dissolved	Water	3005A	270525
580-115231-3	MW-3_20220622	Dissolved	Water	3005A	270525
580-115231-4	MW-4_20220622	Dissolved	Water	3005A	270525
580-115231-5	MW-6_20220622	Dissolved	Water	3005A	270525
MB 410-271524/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-271524/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
580-115231-1 MS	MW-1_20220622	Dissolved	Water	3005A	270525
580-115231-1 MSD	MW-1_20220622	Dissolved	Water	3005A	270525
580-115231-1 DU	MW-1_20220622	Dissolved	Water	3005A	270525

Prep Batch: 271910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-2	MW-2_20220622	Dissolved	Water	3005A	270525
MB 410-271910/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-271910/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 272075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Total Recoverable	Water	3005A	
580-115231-2	MW-2_20220622	Total Recoverable	Water	3005A	
580-115231-3	MW-3_20220622	Total Recoverable	Water	3005A	
580-115231-4	MW-4_20220622	Total Recoverable	Water	3005A	
580-115231-5	MW-6_20220622	Total Recoverable	Water	3005A	
MB 410-272075/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-272075/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Eurofins Seattle

QC Association Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Metals

Analysis Batch: 272482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Dissolved	Water	6020B	271524
580-115231-3	MW-3_20220622	Dissolved	Water	6020B	271524
580-115231-4	MW-4_20220622	Dissolved	Water	6020B	271524
580-115231-5	MW-6_20220622	Dissolved	Water	6020B	271524
MB 410-271524/1-A	Method Blank	Total Recoverable	Water	6020B	271524
LCS 410-271524/2-A	Lab Control Sample	Total Recoverable	Water	6020B	271524
580-115231-1 MS	MW-1_20220622	Dissolved	Water	6020B	271524
580-115231-1 MSD	MW-1_20220622	Dissolved	Water	6020B	271524
580-115231-1 DU	MW-1_20220622	Dissolved	Water	6020B	271524

Analysis Batch: 273826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-2	MW-2_20220622	Dissolved	Water	6020B	271910
MB 410-271910/1-A	Method Blank	Total Recoverable	Water	6020B	271910
LCS 410-271910/2-A	Lab Control Sample	Total Recoverable	Water	6020B	271910

Analysis Batch: 280564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-115231-1	MW-1_20220622	Total Recoverable	Water	6020B	272075
580-115231-2	MW-2_20220622	Total Recoverable	Water	6020B	272075
580-115231-3	MW-3_20220622	Total Recoverable	Water	6020B	272075
580-115231-4	MW-4_20220622	Total Recoverable	Water	6020B	272075
580-115231-5	MW-6_20220622	Total Recoverable	Water	6020B	272075
MB 410-272075/1-A	Method Blank	Total Recoverable	Water	6020B	272075
LCS 410-272075/2-A	Lab Control Sample	Total Recoverable	Water	6020B	272075

Lab Chronicle

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Client Sample ID: MW-1_20220622

Lab Sample ID: 580-115231-1

Date Collected: 06/22/22 14:30

Matrix: Water

Date Received: 06/24/22 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	272405	07/05/22 20:55	Y6ZN	ELLE
Total/NA	Analysis	NWTPH-Gx		1	270701	06/29/22 16:09	UMDJ	ELLE
Total/NA	Prep	3510C			272832	07/06/22 16:15	QJZ6	ELLE
Total/NA	Analysis	NWTPH-Dx		1	273075	07/07/22 19:47	KP5X	ELLE
Dissolved	Filtration	Filtration			270525	06/29/22 07:03	UDL9	ELLE
Dissolved	Prep	3005A			271524	07/01/22 05:50	UAMX	ELLE
Dissolved	Analysis	6020B		1	272482	07/05/22 18:40	UCIG	ELLE
Total Recoverable	Prep	3005A			272075	07/05/22 05:59	UAMX	ELLE
Total Recoverable	Analysis	6020B		1	280564	07/28/22 08:12	F7JF	ELLE

Client Sample ID: MW-2_20220622

Lab Sample ID: 580-115231-2

Date Collected: 06/22/22 10:40

Matrix: Water

Date Received: 06/24/22 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	272405	07/05/22 21:15	Y6ZN	ELLE
Total/NA	Analysis	NWTPH-Gx		1	270701	06/29/22 17:26	UMDJ	ELLE
Total/NA	Prep	3510C			272832	07/06/22 16:15	QJZ6	ELLE
Total/NA	Analysis	NWTPH-Dx		1	273075	07/07/22 20:10	KP5X	ELLE
Dissolved	Filtration	Filtration			270525	06/29/22 07:03	UDL9	ELLE
Dissolved	Prep	3005A			271910	07/02/22 04:36	UAMX	ELLE
Dissolved	Analysis	6020B		1	273826	07/09/22 12:47	S4PD	ELLE
Total Recoverable	Prep	3005A			272075	07/05/22 05:59	UAMX	ELLE
Total Recoverable	Analysis	6020B		1	280564	07/28/22 08:14	F7JF	ELLE

Client Sample ID: MW-3_20220622

Lab Sample ID: 580-115231-3

Date Collected: 06/22/22 12:25

Matrix: Water

Date Received: 06/24/22 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	272405	07/05/22 21:35	Y6ZN	ELLE
Total/NA	Analysis	NWTPH-Gx		1	270701	06/29/22 18:18	UMDJ	ELLE
Total/NA	Prep	3510C			272832	07/06/22 16:15	QJZ6	ELLE
Total/NA	Analysis	NWTPH-Dx		1	273075	07/07/22 20:56	KP5X	ELLE
Dissolved	Filtration	Filtration			270525	06/29/22 07:03	UDL9	ELLE
Dissolved	Prep	3005A			271524	07/01/22 05:50	UAMX	ELLE
Dissolved	Analysis	6020B		1	272482	07/05/22 18:52	UCIG	ELLE
Total Recoverable	Prep	3005A			272075	07/05/22 05:59	UAMX	ELLE
Total Recoverable	Analysis	6020B		1	280564	07/28/22 08:26	F7JF	ELLE

Lab Chronicle

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Client Sample ID: MW-4_20220622

Lab Sample ID: 580-115231-4

Date Collected: 06/22/22 13:25

Matrix: Water

Date Received: 06/24/22 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	272405	07/06/22 00:33	Y6ZN	ELLE
Total/NA	Analysis	NWTPH-Gx		5	271188	06/30/22 22:03	JJT8	ELLE
Total/NA	Prep	3510C			272832	07/06/22 16:15	QJZ6	ELLE
Total/NA	Analysis	NWTPH-Dx		1	273075	07/07/22 21:19	KP5X	ELLE
Total/NA	Prep	3510C			272832	07/06/22 16:15	QJZ6	ELLE
Total/NA	Analysis	NWTPH-Dx		2	274537	07/13/22 13:32	UHEW	ELLE
Dissolved	Filtration	Filtration			270525	06/29/22 07:03	UDL9	ELLE
Dissolved	Prep	3005A			271524	07/01/22 05:50	UAMX	ELLE
Dissolved	Analysis	6020B		1	272482	07/05/22 19:01	UCIG	ELLE
Total Recoverable	Prep	3005A			272075	07/05/22 05:59	UAMX	ELLE
Total Recoverable	Analysis	6020B		1	280564	07/28/22 08:24	F7JF	ELLE

Client Sample ID: MW-6_20220622

Lab Sample ID: 580-115231-5

Date Collected: 06/22/22 11:35

Matrix: Water

Date Received: 06/24/22 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	272405	07/05/22 21:55	Y6ZN	ELLE
Total/NA	Analysis	NWTPH-Gx		1	270701	06/29/22 18:44	UMDJ	ELLE
Total/NA	Prep	3510C			272832	07/06/22 16:15	QJZ6	ELLE
Total/NA	Analysis	NWTPH-Dx		1	273075	07/07/22 21:42	KP5X	ELLE
Dissolved	Filtration	Filtration			270525	06/29/22 07:03	UDL9	ELLE
Dissolved	Prep	3005A			271524	07/01/22 05:50	UAMX	ELLE
Dissolved	Analysis	6020B		1	272482	07/05/22 18:54	UCIG	ELLE
Total Recoverable	Prep	3005A			272075	07/05/22 05:59	UAMX	ELLE
Total Recoverable	Analysis	6020B		1	280564	07/28/22 08:22	F7JF	ELLE

Client Sample ID: Trip Blank_20220622

Lab Sample ID: 580-115231-6

Date Collected: 06/22/22 00:00

Matrix: Water

Date Received: 06/24/22 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	272405	07/05/22 20:36	Y6ZN	ELLE
Total/NA	Analysis	NWTPH-Gx		1	270701	06/29/22 15:43	UMDJ	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
A2LA	ISO/IEC 17025	0001.01	11-30-22
Alaska	State	PA00009	07-01-23
Alaska (UST)	State	17-027	02-28-23
Arizona	State	AZ0780	03-12-23
Arkansas DEQ	State	88-0660	08-10-22
California	State	2792	11-30-22
Colorado	State	PA00009	06-30-23
Connecticut	State	PH-0746	06-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-23
Delaware (DW)	State	N/A	01-31-23
Florida	NELAP	E87997	06-30-22 *
Georgia (DW)	State	C048	01-31-23
Hawaii	State	N/A	01-31-23
Illinois	NELAP	200027	01-31-23
Iowa	State	361	03-02-22 *
Kansas	NELAP	E-10151	10-31-22
Kentucky (DW)	State	KY90088	12-31-22
Kentucky (UST)	State	1.01	11-30-22
Kentucky (WW)	State	KY90088	01-01-23
Louisiana	NELAP	02055	06-30-23
Maine	State	2019012	03-12-23
Maryland	State	100	06-30-23
Massachusetts	State	M-PA009	06-30-23
Michigan	State	9930	01-31-23
Minnesota	NELAP	042-999-487	12-31-22
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-23
Montana (UST)	State	<cert No.>	02-01-23
Nebraska	State	NE-OS-32-17	01-31-23
New Hampshire	NELAP	2730	01-10-23
New Jersey	NELAP	PA011	06-30-23
New York	NELAP	10670	04-01-23
North Carolina (DW)	State	42705	07-31-23
North Carolina (WW/SW)	State	521	12-31-22
North Dakota	State	R-205	01-31-23
Oklahoma	NELAP	R-205	08-31-22
Oregon	NELAP	PA200001	09-11-22
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-23
Rhode Island	State	LAO00338	12-30-22
South Carolina	State	89002	01-31-23
Tennessee	State	02838	01-31-23
Texas	NELAP	T104704194-21-40	08-31-22
Vermont	State	VT - 36037	10-28-22
Virginia	NELAP	460182	06-15-23
Washington	State	C457	04-11-23
West Virginia (DW)	State	9906 C	12-31-22
West Virginia DEP	State	055	07-31-22
Wyoming	State	8TMS-L	01-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Seattle

Accreditation/Certification Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wyoming (UST)	A2LA	1.01	11-30-22

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

Method Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

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

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Antea USA Inc.
Project/Site: BP - ARCO 11060

Job ID: 580-115231-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-115231-1	MW-1_20220622	Water	06/22/22 14:30	06/24/22 11:15
580-115231-2	MW-2_20220622	Water	06/22/22 10:40	06/24/22 11:15
580-115231-3	MW-3_20220622	Water	06/22/22 12:25	06/24/22 11:15
580-115231-4	MW-4_20220622	Water	06/22/22 13:25	06/24/22 11:15
580-115231-5	MW-6_20220622	Water	06/22/22 11:35	06/24/22 11:15
580-115231-6	Trip Blank_20220622	Water	06/22/22 00:00	06/24/22 11:15



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



580-115231 Chain of Custody

BP Site Node Path: Former BP 11060
BP/RM Facility No: Former BP Facility No. 11060

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

Page 1 of 1
Rush TAT Yes No X

Lab Work Order Number:

Lab Name: Eurofins	BP/ARC Facility Address: 4580 Fauntleroy Way SW	Consultant/Contractor: Antea Group
Lab Address: 5755 8th Street East, Tacoma, WA 98424	City, State, ZIP Code: Seattle, WA	Consultant/Contractor Project No: WA - 11060 Groundwater Monitoring
Lab PM: Elaine Walker	Lead Regulatory Agency: Washington State Department of Ecology	Address: 4006 148th Ave NE, Redmond, WA 98052
Lab Phone: 253.248.4972	California Global ID No.: NA	Consultant/Contractor PM: Lonnie Dent
Lab Shipping Acct:	Enfos Proposal No: WR1027162/00C87-0002	Phone: 303-807-3627 Email: lonnie.dent@anteagroup.us
Lab Bottle Order No:	Accounting Mode: Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>	Send/Submit EDD to: lonnie.dent@anteagroup.us
Other Info: M.Elaine.Walker@Eurofinset.com	Stage Commercial-Site Activities (70) Activity Contracts Management (116)	Invoice To: BP-RM <u> </u> BP/ARC <u>X</u>

BP/RM PM: Wade Melton				Sample Details						Requested Analyses										Report Type & QC Level	
PM Phone: 360-594-7978																				Limited (Standard) Package <u> </u>	
PM Email: wade.melton@bp.com																				Limited Plus Package <u> </u>	
																				Full Package <u> </u>	
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Fit	Pres	Analysis	Fit	Pres	Analysis	Fit	Pres	Comments		
	MW-1 - 20220622	6/22/22	1430	W				G	10												
	MW-2		1040	W				G													
	MW-3		1225	W				G													
	MW-4		1325	W				G													
	MW-5			W				G													
	MW-6 - 20220622	6/22/22	1135	W				G	10												
	Trip Blank	6/22/22	0000	W				G													

Sampler's Name: <u>Nathan Han/Jesse Schewe</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Antea Group	<u>Nathan Han/Jesse Schewe</u>	<u>6/22/22</u>	<u>1115</u>	<u>Nathan Han/Jesse Schewe</u>	<u>6/24/22</u>	<u>1115</u>
Ship Method:	Ship Date:					
Shipment Tracking No:						

Special Instructions:

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

A3 = 39 / 2.9

Lg B/W
Bus/Wet

BP LaMP Soil/H2O COC July 2018

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record



Environment Testing
America

[illegible]

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-115231-1

Login Number: 115231

List Number: 1

Creator: Presley, Kim A

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-115231-1

Login Number: 115231

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 06/28/22 02:23 PM

Creator: McBeth, Jessica

Question	Answer	Comment
The cooler's custody seal is 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 ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	True	

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 272405 Batch Start Date: 07/05/22 18:41 Batch Analyst: Drexinger, Marissa CBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloChe ck	Headspace	Lot#Vial
LCS 410-272405/4		8260D		5 mL	5 mL				2646
MB 410-272405/6		8260D		5 mL	5 mL				2646
580-115231-A-6	Trip Blank 20220622	8260D	T	5 mL	5 mL	<2 SU	N	Y	
580-115231-A-1	MW-1_20220622	8260D	T	5 mL	5 mL	<2 SU	N	N	
580-115231-A-2	MW-2_20220622	8260D	T	5 mL	5 mL	<2 SU	N	N	
580-115231-A-3	MW-3_20220622	8260D	T	5 mL	5 mL	<2 SU	N	N	
580-115231-A-5	MW-6_20220622	8260D	T	5 mL	5 mL	<2 SU	N	N	
580-115231-A-4	MW-4_20220622	8260D	T	5 mL	5 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_Cent ISSS 00009	MSV_LCS 2CEVE 00067	MSV_LCS ACROL 00065	MSV_LCS Gases 00094	MSV_LCS VOC#1 00062	AnalysisComment
LCS 410-272405/4		8260D		5 uL	50 uL	50 uL	50 uL	50 uL	
MB 410-272405/6		8260D		5 uL					
580-115231-A-6	Trip Blank 20220622	8260D	T	5 uL					9440
580-115231-A-1	MW-1_20220622	8260D	T	5 uL					
580-115231-A-2	MW-2_20220622	8260D	T	5 uL					
580-115231-A-3	MW-3_20220622	8260D	T	5 uL					
580-115231-A-5	MW-6_20220622	8260D	T	5 uL					
580-115231-A-4	MW-4_20220622	8260D	T	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.

8260D

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GC VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 270701 Batch Start Date: 06/29/22 12:44 Batch Analyst: Beamenderfer, Marie DBatch Method: NWTPH-Gx Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Headspace	Lot#Vial	GCV Q GRO 00031
MB 410-270701/4		NWTPH-Gx		5 mL	5 mL			2646	
LCS 410-270701/5		NWTPH-Gx		5 mL	5 mL			2646	55 uL
LCSD 410-270701/6		NWTPH-Gx		5 mL	5 mL			2646	55 uL
580-115231-B-6	Trip Blank 20220622	NWTPH-Gx	T	5 mL	5 mL	<2 SU	N		
580-115231-D-1	MW-1_20220622	NWTPH-Gx	T	5 mL	5 mL	<2 SU	N		
580-115231-E-1	MW-1_20220622	NWTPH-Gx	T	5 mL	5 mL	<2 SU	N		24 uL
580-115231-F-1	MW-1_20220622	NWTPH-Gx	T	5 mL	5 mL	<2 SU	N		24 uL
580-115231-D-2	MW-2_20220622	NWTPH-Gx	T	5 mL	5 mL	<2 SU	N		
580-115231-D-3	MW-3_20220622	NWTPH-Gx	T	5 mL	5 mL	<2 SU	N		
580-115231-D-5	MW-6_20220622	NWTPH-Gx	T	5 mL	5 mL	<2 SU	N		

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCV_W_TFT 00007					
MB 410-270701/4		NWTPH-Gx		1 uL					
LCS 410-270701/5		NWTPH-Gx		1 uL					
LCSD 410-270701/6		NWTPH-Gx		1 uL					
580-115231-B-6	Trip Blank 20220622	NWTPH-Gx	T	1 uL					
580-115231-D-1	MW-1_20220622	NWTPH-Gx	T	1 uL					
580-115231-E-1	MW-1_20220622	NWTPH-Gx	T	1 uL					
580-115231-F-1	MW-1_20220622	NWTPH-Gx	T	1 uL					
580-115231-D-2	MW-2_20220622	NWTPH-Gx	T	1 uL					
580-115231-D-3	MW-3_20220622	NWTPH-Gx	T	1 uL					
580-115231-D-5	MW-6_20220622	NWTPH-Gx	T	1 uL					

Batch Notes	

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

NWTPH-Gx

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GC VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 270701 Batch Start Date: 06/29/22 12:44 Batch Analyst: Beamenderfer, Marie DBatch Method: NWTPH-Gx Batch End Date: _____

Basis	Basis Description
T	Total/NA

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

NWTPH-Gx

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GC VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 271188 Batch Start Date: 06/30/22 12:45 Batch Analyst: Giffin, Jeremy CBatch Method: NWTPH-Gx Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Headspace	Lot#Vial	GCV Q GRO 00031
MB 410-271188/4		NWTPH-Gx		5 mL	5 mL			2646	
LCS 410-271188/5		NWTPH-Gx		5 mL	5 mL			2646	55 uL
LCSD 410-271188/6		NWTPH-Gx		5 mL	5 mL			2646	55 uL
580-115231-E-4	MW-4_20220622	NWTPH-Gx	T	5 mL	5 mL	<2 SU	N	2646	

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCV_W_TFT 00007					
MB 410-271188/4		NWTPH-Gx		1 uL					
LCS 410-271188/5		NWTPH-Gx		1 uL					
LCSD 410-271188/6		NWTPH-Gx		1 uL					
580-115231-E-4	MW-4_20220622	NWTPH-Gx	T	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.

NWTPH-Gx

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GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 272832Batch Start Date: 07/06/22 17:30Batch Analyst: Sanchez, OsvaldoBatch Method: 3510CBatch End Date: 07/06/22 20:58

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH	OP_MINIDRO_MS 00065
MB 410-272832/1		3510C, NWTPH-Dx				250 mL	2 mL	2 SU	
LCS 410-272832/2		3510C, NWTPH-Dx				250 mL	2 mL	2 SU	1 mL
LCSD 410-272832/3		3510C, NWTPH-Dx				250 mL	2 mL	2 SU	1 mL
580-115231-K-1	MW-1_20220622	3510C, NWTPH-Dx	T	415.05 g	167.19 g	247.9 mL	2 mL	2 SU	
580-115231-H-2 DU	MW-2_20220622	3510C, NWTPH-Dx	T	411.23 g	167.93 g	243.3 mL	2 mL	2 SU	
580-115231-G-2	MW-2_20220622	3510C, NWTPH-Dx	T	411.81 g	167.77 g	244 mL	2 mL	2 SU	
580-115231-G-3	MW-3_20220622	3510C, NWTPH-Dx	T	413.51 g	168.45 g	245.1 mL	2 mL	2 SU	
580-115231-G-4	MW-4_20220622	3510C, NWTPH-Dx	T	410.78 g	168.51 g	242.3 mL	2 mL	2 SU	
580-115231-G-5	MW-6_20220622	3510C, NWTPH-Dx	T	411.55 g	168.08 g	243.5 mL	2 mL	2 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_MINIDRO_SS 00043	AnalysisComment				
MB 410-272832/1		3510C, NWTPH-Dx		1 mL	di h20				
LCS 410-272832/2		3510C, NWTPH-Dx		1 mL	di h20				
LCSD 410-272832/3		3510C, NWTPH-Dx		1 mL	di h20				
580-115231-K-1	MW-1_20220622	3510C, NWTPH-Dx	T	1 mL	clear				
580-115231-H-2 DU	MW-2_20220622	3510C, NWTPH-Dx	T	1 mL	clear				
580-115231-G-2	MW-2_20220622	3510C, NWTPH-Dx	T	1 mL	clear				
580-115231-G-3	MW-3_20220622	3510C, NWTPH-Dx	T	1 mL	clear				
580-115231-G-4	MW-4_20220622	3510C, NWTPH-Dx	T	1 mL	clear				
580-115231-G-5	MW-6_20220622	3510C, NWTPH-Dx	T	1 mL	clear				

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.

NWTPH-Dx

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GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 272832 Batch Start Date: 07/06/22 17:30 Batch Analyst: Sanchez, OsvaldoBatch Method: 3510C Batch End Date: 07/06/22 20:58

Batch Notes	
Balance ID	25996
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	11067
Analyst ID - Spike Analyst	11067
Acid Used for pH Adjustment ID	hcl 110891
Prep Solvent ID	MeCl2: 222145
Prep Solvent Volume Used	45 mL
Na2SO4 ID	22186A
Analyst ID - Concentration	11067
Equipment ID - Concentration 1	Rapid Vap # 1, 3, 4
Concentration 1 Corrected Temperature	80 Degrees C

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 Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 270525 Batch Start Date: 06/29/22 07:03 Batch Analyst: Trimby, Denise LBatch Method: Filtration Batch End Date: 06/29/22 07:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	Final pH	MP_PresSol 00017	
580-115231-M-1	MW-1_20220622	Filtration, 3005A, 6020B	D	250 mL	250 mL	6 SU	<2 SU	2.5 mL	
580-115231-I-2	MW-2_20220622	Filtration, 3005A, 6020B	D	250 mL	250 mL	6 SU	<2 SU	2.5 mL	
580-115231-I-3	MW-3_20220622	Filtration, 3005A, 6020B	D	250 mL	250 mL	6 SU	<2 SU	2.5 mL	
580-115231-I-4	MW-4_20220622	Filtration, 3005A, 6020B	D	250 mL	250 mL	6 SU	<2 SU	2.5 mL	
580-115231-I-5	MW-6_20220622	Filtration, 3005A, 6020B	D	250 mL	250 mL	6 SU	<2 SU	2.5 mL	

Batch Notes	
Filter ID	1344708

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.

6020B

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METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 271524 Batch Start Date: 07/01/22 05:50 Batch Analyst: Kuhns, Annamaria M

Batch Method: 3005A Batch End Date: 07/01/22 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MP_1:1HCl 00021	MP_1:1HNO3 00029	MP_FilterH2O 00077	MT_LCS-SPK-A 00015
MB 410-271524/1		3005A, 6020B		50 mL	50 mL	5 mL	2 mL	50 mL	
LCS 410-271524/2		3005A, 6020B		50 mL	50 mL	5 mL	2 mL	50 mL	0.2 mL
580-115231-M-1-A	MW-1_20220622	3005A, 6020B	D	50 mL	50 mL	5 mL	2 mL		
580-115231-M-1-A DU	MW-1_20220622	3005A, 6020B	D	50 mL	50 mL	5 mL	2 mL		
580-115231-M-1-A MS	MW-1_20220622	3005A, 6020B	D	50 mL	50 mL	5 mL	2 mL		0.2 mL
580-115231-M-1-A MSD	MW-1_20220622	3005A, 6020B	D	50 mL	50 mL	5 mL	2 mL		0.2 mL
580-115231-I-3-A	MW-3_20220622	3005A, 6020B	D	50 mL	50 mL	5 mL	2 mL		
580-115231-I-5-A	MW-6_20220622	3005A, 6020B	D	50 mL	50 mL	5 mL	2 mL		
580-115231-I-4-A	MW-4_20220622	3005A, 6020B	D	50 mL	50 mL	5 mL	2 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MT_LCS-SPK-B 00014					
MB 410-271524/1		3005A, 6020B							
LCS 410-271524/2		3005A, 6020B		0.2 mL					
580-115231-M-1-A	MW-1_20220622	3005A, 6020B	D						
580-115231-M-1-A DU	MW-1_20220622	3005A, 6020B	D						
580-115231-M-1-A MS	MW-1_20220622	3005A, 6020B	D	0.2 mL					
580-115231-M-1-A MSD	MW-1_20220622	3005A, 6020B	D	0.2 mL					
580-115231-I-3-A	MW-3_20220622	3005A, 6020B	D						
580-115231-I-5-A	MW-6_20220622	3005A, 6020B	D						
580-115231-I-4-A	MW-4_20220622	3005A, 6020B	D						

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.

6020B

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 271524 Batch Start Date: 07/01/22 05:50 Batch Analyst: Kuhns, Annamaria MBatch Method: 3005A Batch End Date: 07/01/22 10:00

Batch Notes	
Digestion Tube/Cup ID	2202231
Pipette/Syringe/Dispenser ID	G20054G
Digestion Unit ID	14
Thermometer ID	3811
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	94 Degrees C
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	94 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.

6020B

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METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 271910 Batch Start Date: 07/02/22 05:00 Batch Analyst: Kuhns, Annamaria MBatch Method: 3005A Batch End Date: 07/02/22 09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MP_1:1HCl 00021	MP_1:1HNO3 00029	MP_FilterH2O 00077	MT_LCS-SPK-A 00015
MB 410-271910/1		3005A, 6020B		50 mL	50 mL	5 mL	2 mL	50 mL	
LCS 410-271910/2		3005A, 6020B		50 mL	50 mL	5 mL	2 mL	50 mL	0.2 mL
580-115231-I-2-A	MW-2_20220622	3005A, 6020B	D	50 mL	50 mL	5 mL	2 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MT_LCS-SPK-B 00014					
MB 410-271910/1		3005A, 6020B							
LCS 410-271910/2		3005A, 6020B		0.2 mL					
580-115231-I-2-A	MW-2_20220622	3005A, 6020B	D						

Batch Notes	
Digestion Tube/Cup ID	2202231
Pipette/Syringe/Dispenser ID	G20054G
Digestion Unit ID	14
Thermometer ID	3811
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	94 Degrees C
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	94 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.

6020B

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METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 580-115231-1

SDG No.: _____

Batch Number: 272075 Batch Start Date: 07/05/22 06:00 Batch Analyst: Kuhns, Annamaria MBatch Method: 3005A Batch End Date: 07/05/22 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MP_1:1HCl 00021	MP_1:1HNO3 00029	MT_LCS-SPK-A 00015	MT_LCS-SPK-B 00014
MB 410-272075/1		3005A, 6020B		50 mL	50 mL	5 mL	2 mL		
LCS 410-272075/2		3005A, 6020B		50 mL	50 mL	5 mL	2 mL	0.2 mL	0.2 mL
580-115231-O-1	MW-1_20220622	3005A, 6020B	R	50 mL	50 mL	5 mL	2 mL		
580-115231-K-2	MW-2_20220622	3005A, 6020B	R	50 mL	50 mL	5 mL	2 mL		
580-115231-K-5	MW-6_20220622	3005A, 6020B	R	50 mL	50 mL	5 mL	2 mL		
580-115231-K-4	MW-4_20220622	3005A, 6020B	R	50 mL	50 mL	5 mL	2 mL		
580-115231-K-3	MW-3_20220622	3005A, 6020B	R	50 mL	50 mL	5 mL	2 mL		

Batch Notes	
Digestion Tube/Cup ID	2202231
Pipette/Syringe/Dispenser ID	G20054G
Digestion Unit ID	14
Thermometer ID	3811
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	94 Degrees C
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	94 Degrees C

Basis	Basis Description
R	Total Recoverable

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

6020B

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