



Remediation Management Services Company

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

August 20, 2021

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

Dear Mr. Michael Warfel:

Please find the enclosed Semi-Annual Groundwater Monitoring Report – First Half of 2021, that documents the results at Former BP Facility No. 11060 located at 4580 Fauntleroy Way SW, Seattle, Washington.

Sincerely yours,

A handwritten signature in black 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 2021
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 20, 2021
Project # 11060SA211

us.anteagroup.com

Contents

Work Performed during First Half of 2021	1
Work Scheduled for Second Half of 2021	1
Remarks	3
Contact Information.....	3

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

Figures

Figure 1 - Site Location Map
Figure 2 - Site Aerial Map
Figure 3 - Groundwater Analytical and Elevation Contour Map – March 8, 2021
Figure 4 - Groundwater Analytical and Elevation Contour Map – June 9, 2021

Appendix

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

Semi-Annual Groundwater Monitoring Report

First Half of 2021

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 / Megan Richard, +1 425 498 7711
Consultant Project Number	11060SA211
Ecology Facility Site ID No./VCP ID No.	99437681/NW3308

WORK PERFORMED DURING FIRST HALF OF 2021

- Antea Group conducted quarterly groundwater sampling events on March 8, 2021 and June 9, 2021.
- Antea Group re-enrolled the Site into Ecology's VCP.
- Antea Group conducted repairs and upgrades to the remediation system.
- Antea Group prepared this semi-annual groundwater monitoring report.

WORK SCHEDULED FOR SECOND HALF OF 2021

- Antea Group will conduct quarterly groundwater monitoring and sampling.
- Antea Group will commission the air-sparge component of the remediation system.
- 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	Periodic	
LPH Recovered this Reporting Period	None	
Cumulative LPH Recovered to Date	Unknown	
Amount of Soil Removed to Date	Unknown	
Current Remediation Techniques	Soil Vapor Extraction (SVE) system operation	
Approximate Depth to Groundwater	March 8, 2021 June 9, 2021	13.52 – 26.06 ft. bgs. 23.02 – 26.70 ft. bgs.
Groundwater Gradient	March 8, 2021 June 9, 2021	South, 0.27 ft/ft. Northeast, 0.021 ft/ft

REMARKS

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

Prepared by



Jeffrey Karambelas
Staff Professional

Date: August 20, 2021

Reviewed by:



Megan Richard, LG
Senior Project Manager



Date: August 20, 2021

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

4006 148th Avenue NE
Redmond, WA 98025 USA

Toll Free +1 800 477 7411
International +1 651 639 9449

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 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
EW-1	5/9/2013	268.20	24.49	24.32	0.17	243.84	--
EW-1	5/7/2015	268.20	25.75	24.73	1.02	243.22	--
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	242.76	--
EW-1	9/12/2016	268.20	26.89	26.16	0.73	241.86	--
EW-1	12/12/2016	268.20	25.49	24.70	0.79	243.30	--
EW-1	2/22/2017	268.20	24.98	24.20	0.78	243.81	--
EW-1	8/29/2017	268.20	26.28	25.68	0.60	242.37	--
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
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

Table 1
Groundwater Gauging Data
Former BP Facility 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
EW-3	5/9/2013	268.50	24.90	24.59	0.31	243.83	--
EW-3	5/7/2015	268.50	25.77	23.23	2.54	244.64	--
EW-3	3/2/2016	268.50	25.44	25.19	0.25	243.25	--
EW-3	9/12/2016	268.50	27.17	25.63	1.54	242.49	--
EW-3	12/12/2016	268.50	25.58	24.75	0.83	243.54	--
EW-3	2/22/2017	268.50	25.06	24.22	0.84	244.07	--
EW-3	8/29/2017	268.50	26.75	25.99	0.76	242.32	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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
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	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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-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	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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-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	--	241.67	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	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	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	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	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	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-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	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	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
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-4	5/11/1993	100.26	23.03	NP	--	77.23	--
MW-4	3/4/1994	100.26	26.83	22.83	4.00	76.43	--
MW-4	7/6/1994	100.26	25.63	24.20	1.43	75.70	--
MW-4	10/7/1994	100.26	26.07	24.44	1.63	75.41	--
MW-4	12/28/1994	100.26	25.85	24.42	1.43	75.48	--
MW-4	3/13/1995	100.26	25.59	23.71	1.88	76.08	--
MW-4	6/30/1995	100.26	24.64	23.53	1.11	76.45	--
MW-4	9/6/1995	100.26	24.78	23.73	1.05	76.27	--
MW-4	12/8/1995	100.26	24.94	23.89	1.05	76.11	--
MW-4	3/11/1996	100.26	24.68	22.30	2.38	77.37	--
MW-4	6/18/1996	100.26	24.04	21.93	2.11	77.80	--
MW-4	9/9/1996	100.26	24.08	22.23	1.85	77.57	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	12/11/1996	100.26	23.07	22.69	0.38	77.48	--
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	76.11	--
MW-4	12/9/2001	100.26	25.50	23.13	2.37	76.54	--
MW-4	3/20/2002	100.26	26.50	22.77	3.73	76.56	--
MW-4	6/11/2002	100.26	24.25	23.15	1.10	76.84	--
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	78.00	--
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	78.28	--
MW-4	4/14/2005	100.26	23.82	21.93	1.89	77.86	--
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	--
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	76.43	--
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

Table 1
Groundwater Gauging Data
Former BP Facility 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	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	244.17	--
MW-4	11/19/2013	267.78	26.61	24.80	1.81	242.53	--
MW-4	5/13/2014	267.78	25.80	23.30	2.50	243.86	--
MW-4	5/7/2015	267.78	26.50	23.55	2.95	243.49	--
MW-4	3/2/2016	267.78	24.67	23.27	1.40	244.16	--
MW-4	6/6/2016	267.78	25.86	24.33	1.53	243.07	--
MW-4	9/12/2016	267.78	26.51	25.40	1.11	242.10	--
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	245.20	--
MW-4	8/29/2017	267.78	26.50	24.82	1.68	242.54	NS
MW-4	3/13/2018	267.78	24.74	24.26	0.48	243.40	NS
MW-4	10/25/2018	267.78	26.76	26.48	0.28	241.23	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-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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	12/8/1995	100.88	24.49	NP	--	76.39	--
MW-5	3/11/1996	100.88	23.33	NP	--	77.55	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	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	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	6/2/2020	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-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	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	11/5/2006	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

Table 1
Groundwater Gauging Data
Former BP Facility 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	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-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	--
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

Table 1
Groundwater Gauging Data
Former BP Facility 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	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	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 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-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-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	--
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	--	--	--	--	--	--
VE-1	7/2/2000	--	--	--	--	--	--

Table 1
Groundwater Gauging Data
Former BP Facility 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	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	242.23	--
VE-1	5/13/2014	268.17	25.20	24.80	0.40	243.27	--
VE-1	5/7/2015	268.17	25.40	24.79	0.61	243.23	--
VE-1	3/2/2016	268.17	24.99	NP	--	243.18	NS

Table 1
Groundwater Gauging Data
Former BP Facility 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-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

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 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
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	--	--	--	--
MW-1	9/9/1996	2	< 0.5	1	1	13	--	--	600	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility 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	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 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-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	--	--	--	--
MW-2	12/9/2001	310	9.5	100	96	< 4.0	--	--	14,000	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility 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	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 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	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-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	--	--	--	--
MW-3	12/9/2001	42	4.1	77	22	< 4.0	--	--	4,200	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility 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	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 B J	< 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 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	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-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-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	--	--	--	--
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	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility 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	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	--	--	--	--
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

Table 2
Groundwater Analytical Data
Former BP Facility 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	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-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	--	--	--	--
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	--

Table 2
Groundwater Analytical Data
Former BP Facility 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	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	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-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	--	--	--	--
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	--

Table 2
Groundwater Analytical Data
Former BP Facility 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-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	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-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
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	--

Table 2
Groundwater Analytical Data
Former BP Facility 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	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
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-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	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
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	--	--	--	--
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	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility 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	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

Table 3
PAH Groundwater Analytical Data
Former BP Facility 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-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Phenanthrene	Pyrene
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
MTCA METHOD A CLEANUP LEVELS						0.1									160			160		
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	< 0.20	< 0.10	< 0.10
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	< 0.20	< 0.10	< 0.10
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	--	--
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	--	--
MW-2	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	4.6	2.5	0.29	7.39	--	--
MW-2	9/12/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--
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	--	--
MW-2	8/27/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	< 0.20	< 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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	< 0.20	< 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	--	--
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	120	0.34	0.23

Table 3
PAH Groundwater Analytical Data
Former BP Facility 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-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Phenanthrene	Pyrene
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
MTCA METHOD A CLEANUP LEVELS						0.1									160			160		
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	--	--
MW-5	3/2/2016	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	9.9	2.7	2.8	15.4	--	--
MW-5	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	7.3	2.3	2.3	11.9	--	--
MW-5	3/25/2020	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0349 BJ	< 0.00821	< 0.00902	< 0.0435	--	--
MW-6	5/7/2015	--	--	--	< 0.010	< 0.010	< 0.010	--	< 0.010	< 0.010	< 0.010	--	--	< 0.010	< 0.030	0.011 J	0.012 J	0.038	--	--
MW-6	6/6/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.031	< 0.010	< 0.010	< 0.026	--	--
MW-6	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	--	--
MW-6	2/22/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.221 J	0.00929 J	0.0137 J	0.24399	--	--
MW-6	8/27/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0249 BJ	< 0.00821	< 0.00902	< 0.0335	--	--
MW-6	11/26/2019	--	--	--	< 0.00410	< 0.0116	< 0.00212	--	< 0.0136	< 0.0108	< 0.00396	--	--	< 0.0148	0.0249 BJ	< 0.00821	< 0.00902	< 0.0335	--	--
MW-6	3/26/2020	--	--	--	< 0.00410	< 0.0116	0.00655 J	--	< 0.0136	0.0112 J	< 0.00396	--	--	< 0.0148	0.0625 BJ	0.0164 J	0.0200 J	0.0989	--	--
MW-6	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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	< 0.205	< 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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	< 0.20	< 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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	--	--
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	2.63	< 0.10	< 0.10

Table 3
PAH Groundwater Analytical Data
Former BP Facility 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-Methylnaphthalene	2-Methylnaphthalene	Total Naphthalenes	Phenanthrene	Pyrene
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
MTCA METHOD A CLEANUP LEVELS					0.1									160			160		

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 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 *+
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-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-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-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-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
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

Table 4
Select VOCs Groundwater Analytical Data
Former BP Facility 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	6/9/2021	< 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-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 *+

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
										Presure (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	0.0%	788.0	8.0	79.6	1870.0	63.77	62.7	128.8	7.5	94%	2.60	94.12	2151.26	
03/25/19	on / on	24032.6	602.7	100.5%	off / off	1548.9	0	0.0%	788.0	7.0	91.9	2065.0	70.42	67.5	31.5	0.6	98%	0.68	17.19	2168.45	
04/03/19	on / on	24248.1	215.5	99.8%	off / off	1548.9	0	0.0%	788.0	7.0	96.1	2073.0	70.69	67.2	141.4	18.9	87%	3.06	27.49	2195.94	
05/08/19	on / off	25088.0	839.9	100.0%	off / off	1548.9	0	0.0%	788.0	7.0	97.1	1989.0	67.82	64.4	11.6	2.4	79%	0.24	8.42</		

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

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

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

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

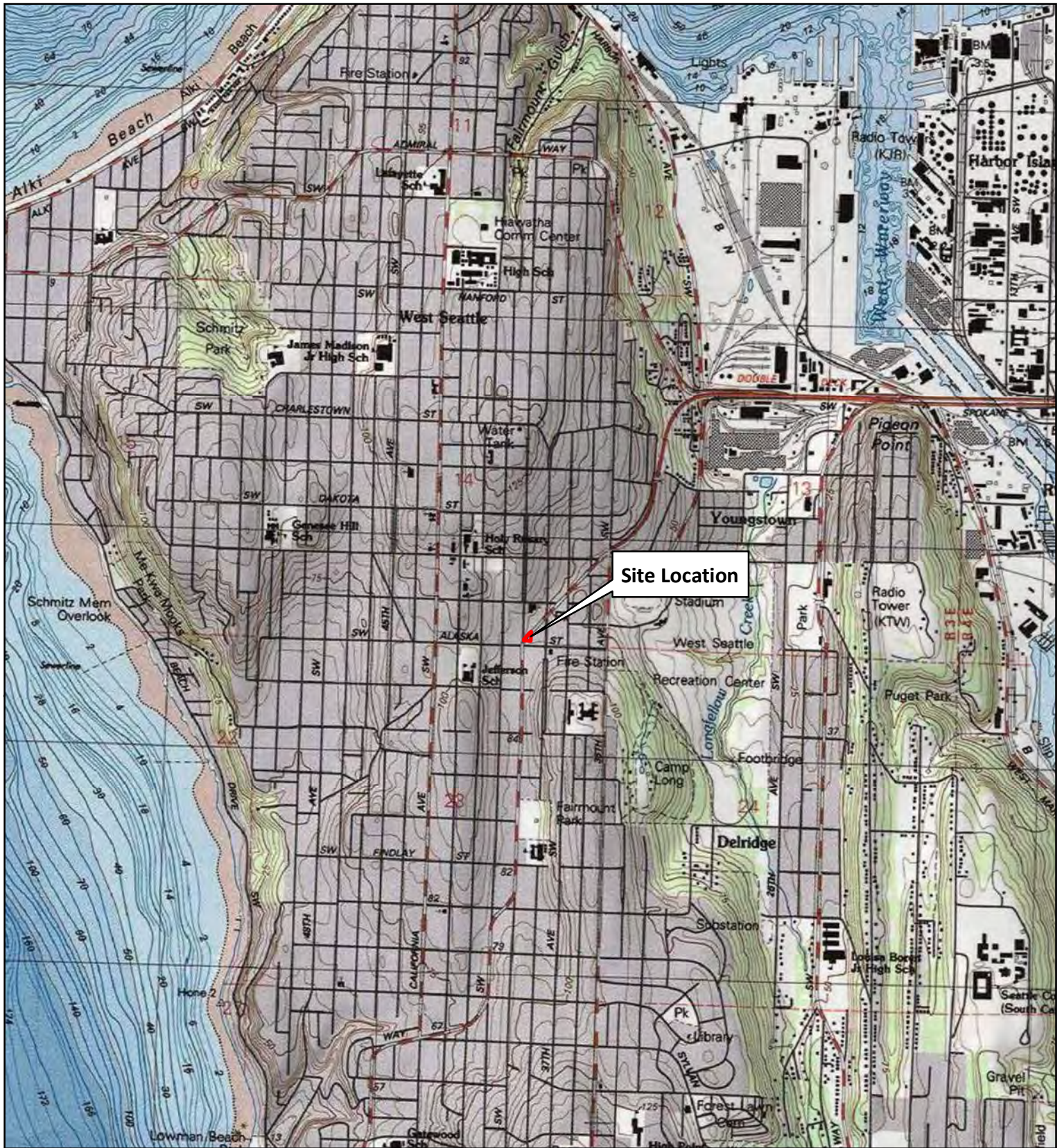
Figures

Figure 1 - Site Location Map

Figure 2 - Site Aerial Map

Figure 3 - Groundwater Analytical and Elevation Contour Map – March 8, 2021

Figure 4 - Groundwater Analytical and Elevation Contour Map – June 9, 2021



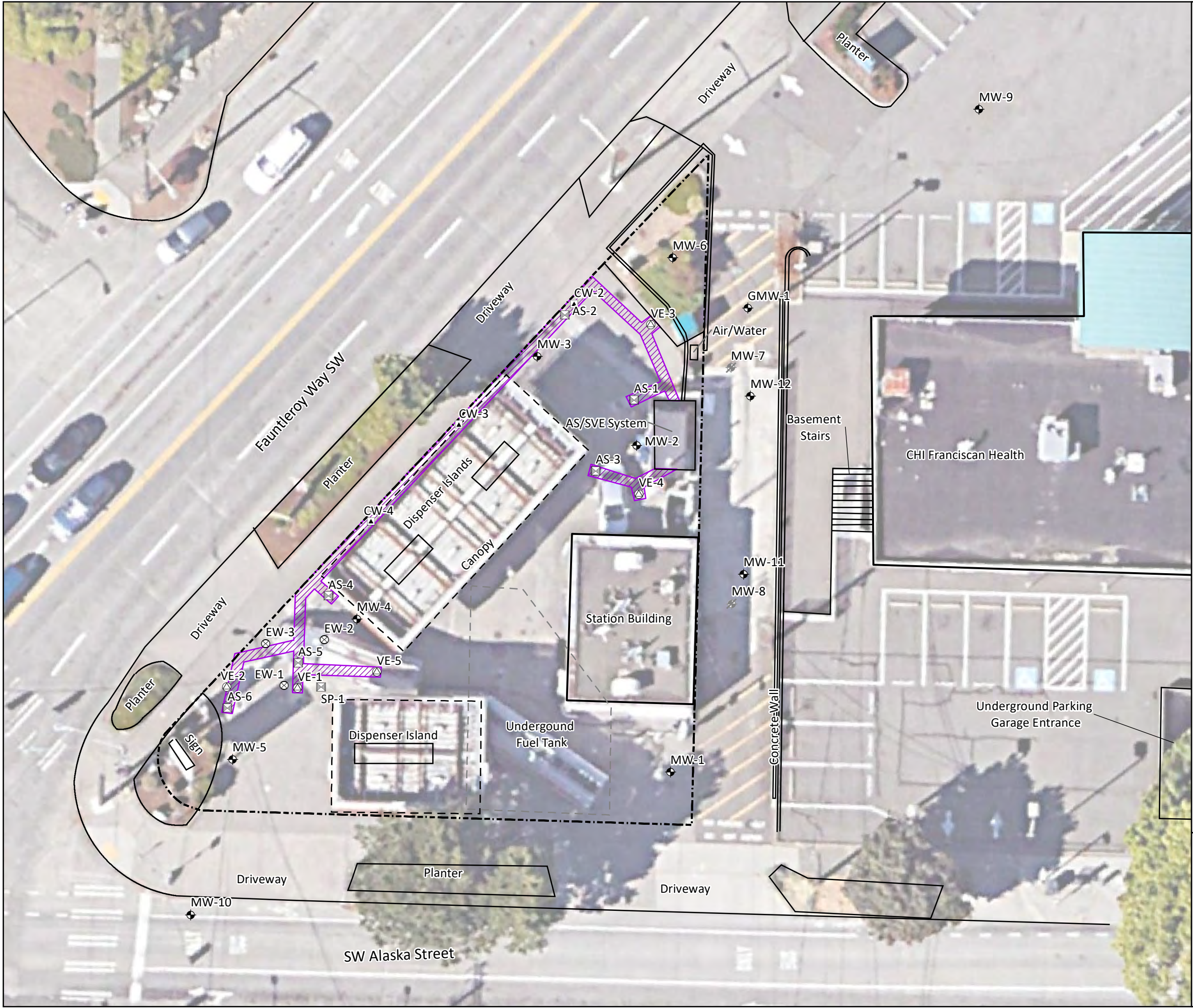
USGS Topographic Map 1:24,000
Duwamish Head, WA 2017

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

FIGURE 1

SITE LOCATION MAP
FORMER BP FACILITY #11060
4580 FAUNTLEROY WAY SW
SEATTLE, WA

PROJECT NO. 11060	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

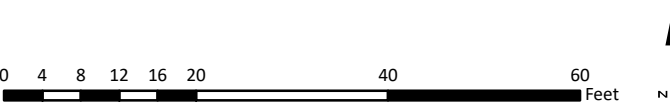
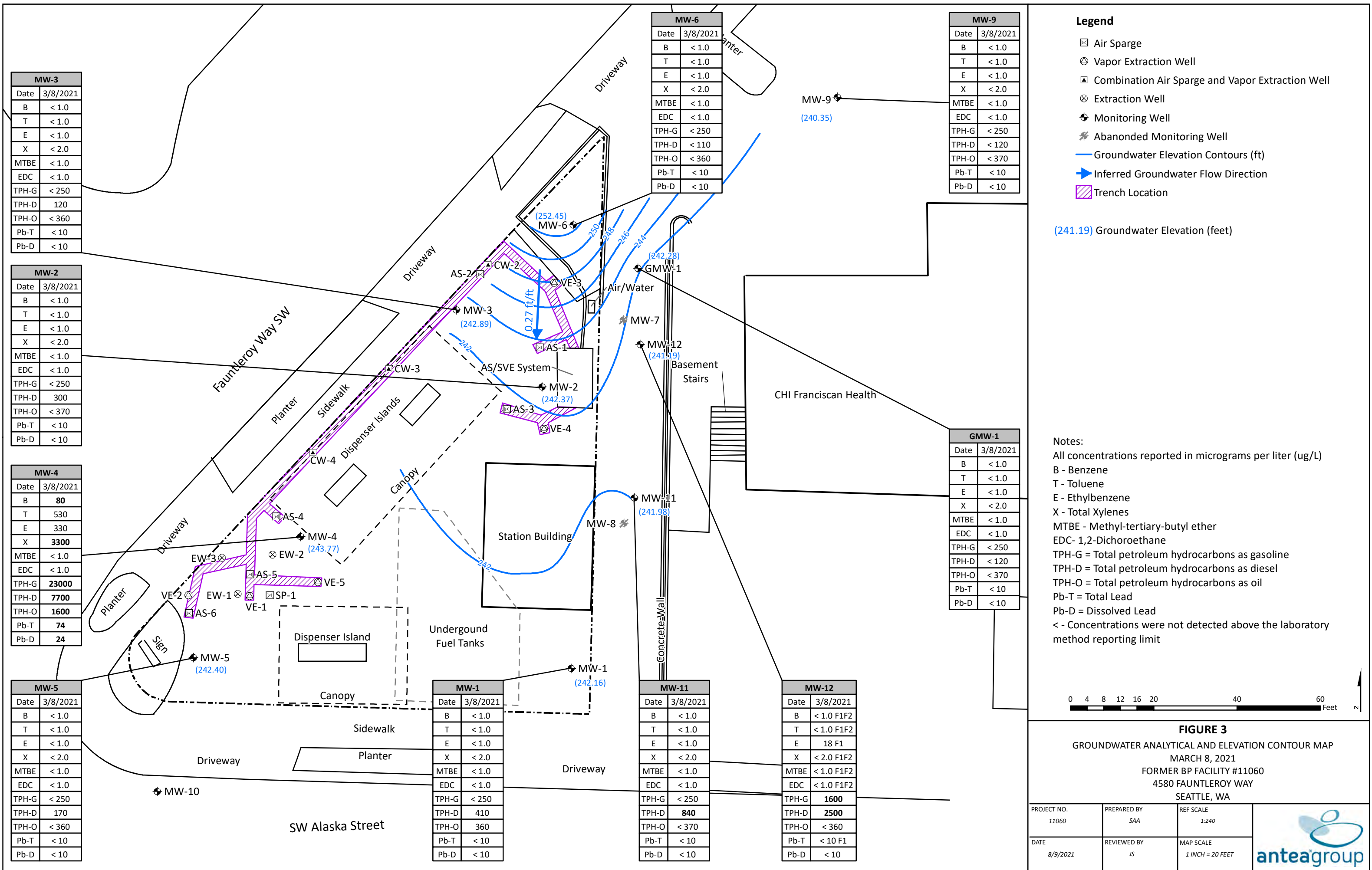
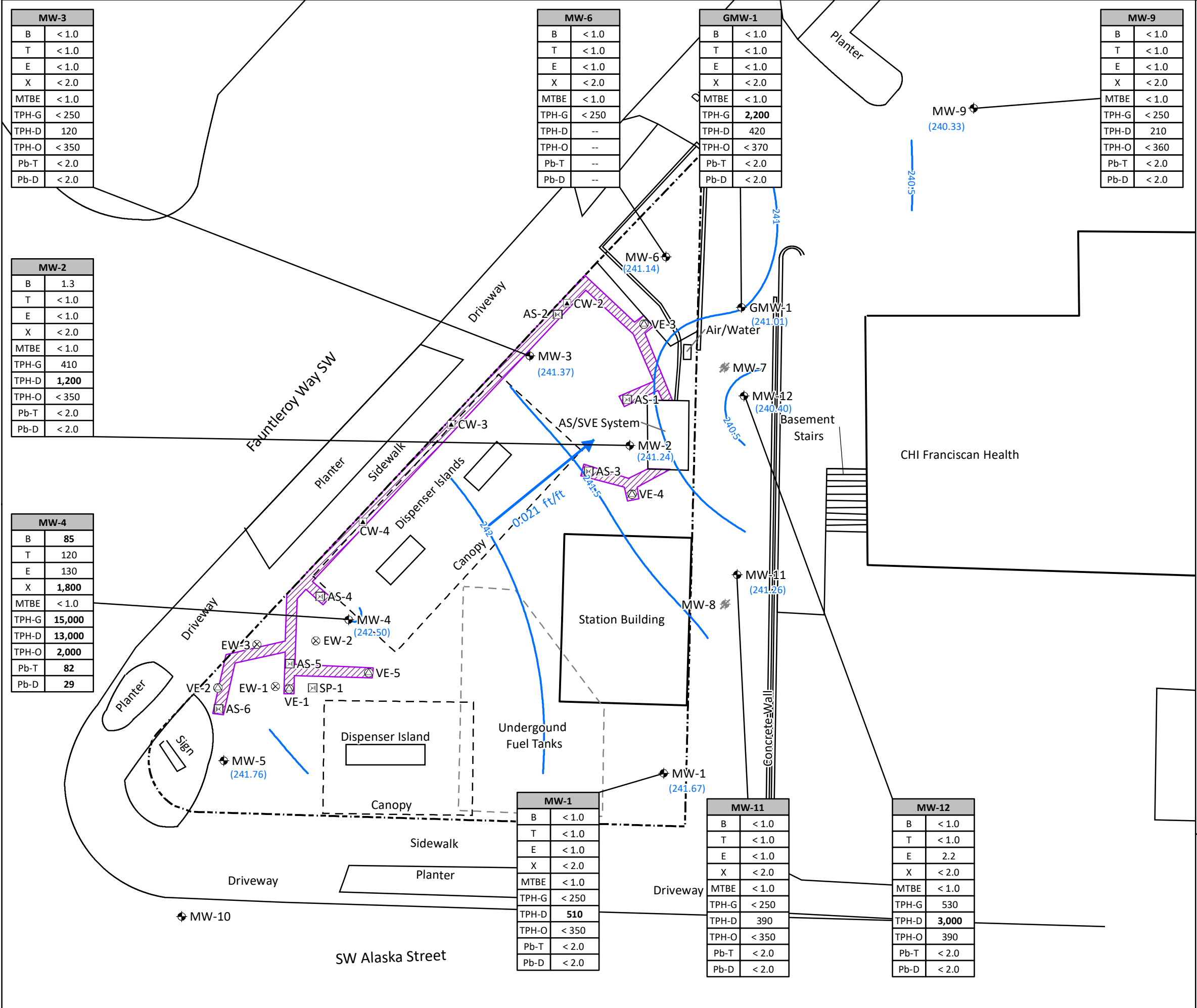


FIGURE 2
SITE AERIAL MAP
FORMER BP FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

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





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

ANALYTICAL REPORT

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

Laboratory Job ID: 580-101670-1
Client Project/Site: BP - ARCO 11060

For:

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

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
3/24/2021 1:28:03 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	7
Surrogate Summary	19
QC Sample Results	21
QC Association Summary	36
Lab Chronicle	41
Certification Summary	45
Method Summary	46
Sample Summary	47
Chain of Custody	48
Receipt Checklists	51
Prep Data	52



Definitions/Glossary

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

Job ID: 580-101670-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
⌘	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: 580-101670-1

Job ID: 580-101670-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-101670-1

Receipt

Eleven samples were received on 3/10/2021 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 2.5° C.

Receipt Exceptions

Triple volume was received for the following sample but the chain of custody does not indicate the desire for matrix spike/matrix spike duplicate (MS/MSD) analysis: MW-12_25.32_20210308 (580-101670-10). The sample is logged in for MS/MSD with client confirmation.

A trip blank is listed on the chain of custody but no trip blank vials were received.

Ethanol is requested for 8260D Volatiles; however, Eurofins TestAmerica does not have a calibration for this analyte and we cannot recover Ethanol. The client was notified.

GC/MS VOA

Method 8260D: The matrix spike (MS) recoveries and matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 580-351914 were outside control limits for multiple analytes. Sample non-homogeneity is suspected. The associated LCS/LCSD recoveries and precision met acceptance limits.

Method 8260D: Surrogate recovery for the following samples were outside control limits: MW-2_24.32_20210308 (580-101670-3), MW-4_24.01_20210308 (580-101670-5), and MW-12_25.32_20210308 (580-101670-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-4_24.01_20210308 (580-101670-5). Elevated reporting limits (RLs) are provided.

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

GC VOA

Method NWTPH-Gx: Surrogate recovery for the following samples was outside control limits: MW-4_24.01_20210308 (580-101670-5), MW-12_25.32_20210308 (580-101670-10), MW-12_25.32_20210308 (580-101670-10[MS]) and MW-12_25.32_20210308 (580-101670-10[MSD]). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

Metals

Method 6020B: The matrix spike duplicate (MSD) for prep batch 580-351956 and analytical batch 580-352100 was outside control limits for lead. The matrix spike (MS) and associated laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries met acceptance limits.

No additional 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: 580-101670-1

Client Sample ID: GWM-1_23.35_20210308

Lab Sample ID: 580-101670-1

No Detections.

Client Sample ID: MW-1_25.27_20210308

Lab Sample ID: 580-101670-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	410		110	67	ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	360		360	99	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-2_24.32_20210308

Lab Sample ID: 580-101670-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	300		120	69	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-3_23.11_20210308

Lab Sample ID: 580-101670-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	120		110	67	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-4_24.01_20210308

Lab Sample ID: 580-101670-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Butadiene	11		1.0	0.49	ug/L	1		8260D	Total/NA
Benzene	80		1.0	0.24	ug/L	1		8260D	Total/NA
Chloroform	4.0		1.0	0.26	ug/L	1		8260D	Total/NA
Hexane	81		3.0	0.69	ug/L	1		8260D	Total/NA
Ethylbenzene - DL	330		10	5.0	ug/L	10		8260D	Total/NA
Toluene - DL	530		10	3.9	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene - DL2	2300		100	27	ug/L	50		8260D	Total/NA
o-Xylene - DL2	1000		50	20	ug/L	50		8260D	Total/NA
Xylenes, Total - DL2	3300		100	27	ug/L	50		8260D	Total/NA
Gasoline	23000		250	100	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	7700		120	69	ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	1600		370	100	ug/L	1		NWTPH-Dx	Total/NA
Lead	74		10	1.0	ug/L	5		6020B	Total
Lead	24		10	1.0	ug/L	5		6020B	Recoverable Dissolved

Client Sample ID: MW-5_26.06_20210308

Lab Sample ID: 580-101670-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	1.6		1.0	0.39	ug/L	1		8260D	Total/NA
#2 Diesel (C10-C24)	170		110	67	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-6_13.52_20210308

Lab Sample ID: 580-101670-7

No Detections.

Client Sample ID: MW-9_23.00_20210308

Lab Sample ID: 580-101670-8

No Detections.

Client Sample ID: MW-11_24.40_20210308

Lab Sample ID: 580-101670-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	840		120	69	ug/L	1		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Seattle

Detection Summary

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

Job ID: 580-101670-1

Client Sample ID: MW-12_25.32_20210308

Lab Sample ID: 580-101670-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	18	F1	1.0	0.50	ug/L	1		8260D	Total/NA
Gasoline	1600		250	100	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	2500		110	67	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: DUP-1__20210308

Lab Sample ID: 580-101670-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: GWM-1_23.35_20210308

Lab Sample ID: 580-101670-1

Date Collected: 03/08/21 17:30

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/12/21 20:00	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/12/21 20:00	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/12/21 20:00	1
Benzene	ND		1.0	0.24	ug/L			03/12/21 20:00	1
Chloroform	ND		1.0	0.26	ug/L			03/12/21 20:00	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/12/21 20:00	1
EDC	ND		1.0	0.42	ug/L			03/12/21 20:00	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/12/21 20:00	1
Hexane	ND		3.0	0.69	ug/L			03/12/21 20:00	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/12/21 20:00	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/12/21 20:00	1
o-Xylene	ND		1.0	0.39	ug/L			03/12/21 20:00	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/12/21 20:00	1
Trichloroethene	ND		1.0	0.26	ug/L			03/12/21 20:00	1
Toluene	ND		1.0	0.39	ug/L			03/12/21 20:00	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/12/21 20:00	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/12/21 20:00	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/12/21 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 126		03/12/21 20:00	1
4-Bromofluorobenzene (Surr)	87		80 - 120		03/12/21 20:00	1
Dibromofluoromethane (Surr)	93		80 - 120		03/12/21 20:00	1
Toluene-d8 (Surr)	101		80 - 120		03/12/21 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/11/21 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		50 - 150		03/11/21 18:21	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		120	69	ug/L		03/12/21 11:07	03/16/21 00:15	1
Motor Oil (>C24-C36)	ND		370	100	ug/L		03/12/21 11:07	03/16/21 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150	03/12/21 11:07	03/16/21 00:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 19:04	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:47	03/23/21 06:53	5

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-1_25.27_20210308

Lab Sample ID: 580-101670-2

Date Collected: 03/08/21 15:20

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/12/21 20:25	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/12/21 20:25	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/12/21 20:25	1
Benzene	ND		1.0	0.24	ug/L			03/12/21 20:25	1
Chloroform	ND		1.0	0.26	ug/L			03/12/21 20:25	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/12/21 20:25	1
EDC	ND		1.0	0.42	ug/L			03/12/21 20:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/12/21 20:25	1
Hexane	ND		3.0	0.69	ug/L			03/12/21 20:25	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/12/21 20:25	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/12/21 20:25	1
o-Xylene	ND		1.0	0.39	ug/L			03/12/21 20:25	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/12/21 20:25	1
Trichloroethene	ND		1.0	0.26	ug/L			03/12/21 20:25	1
Toluene	ND		1.0	0.39	ug/L			03/12/21 20:25	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/12/21 20:25	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/12/21 20:25	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/12/21 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 126		03/12/21 20:25	1
4-Bromofluorobenzene (Surr)	87		80 - 120		03/12/21 20:25	1
Dibromofluoromethane (Surr)	93		80 - 120		03/12/21 20:25	1
Toluene-d8 (Surr)	100		80 - 120		03/12/21 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/11/21 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150		03/11/21 18:46	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)	410		110	67	ug/L		03/15/21 11:27	03/17/21 07:51	1
Motor Oil (>C24-C36)	360		360	99	ug/L		03/15/21 11:27	03/17/21 07:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	03/15/21 11:27	03/17/21 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 19:08	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:47	03/23/21 06:57	5

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-2_24.32_20210308

Lab Sample ID: 580-101670-3

Date Collected: 03/08/21 12:10

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/12/21 20:51	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/12/21 20:51	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/12/21 20:51	1
Benzene	ND		1.0	0.24	ug/L			03/12/21 20:51	1
Chloroform	ND		1.0	0.26	ug/L			03/12/21 20:51	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/12/21 20:51	1
EDC	ND		1.0	0.42	ug/L			03/12/21 20:51	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/12/21 20:51	1
Hexane	ND		3.0	0.69	ug/L			03/12/21 20:51	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/12/21 20:51	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/12/21 20:51	1
o-Xylene	ND		1.0	0.39	ug/L			03/12/21 20:51	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/12/21 20:51	1
Trichloroethene	ND		1.0	0.26	ug/L			03/12/21 20:51	1
Toluene	ND		1.0	0.39	ug/L			03/12/21 20:51	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/12/21 20:51	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/12/21 20:51	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/12/21 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		03/12/21 20:51	1
4-Bromofluorobenzene (Surr)	38	S1-	80 - 120		03/12/21 20:51	1
Dibromofluoromethane (Surr)	101		80 - 120		03/12/21 20:51	1
Toluene-d8 (Surr)	101		80 - 120		03/12/21 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/11/21 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		03/11/21 19:11	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)	300		120	69	ug/L		03/15/21 11:27	03/17/21 08:11	1
Motor Oil (>C24-C36)	ND		370	100	ug/L		03/15/21 11:27	03/17/21 08:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	03/15/21 11:27	03/17/21 08:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 19:12	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:47	03/23/21 07:01	5

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-3_23.11_20210308

Lab Sample ID: 580-101670-4

Date Collected: 03/08/21 11:35

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/12/21 21:16	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/12/21 21:16	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/12/21 21:16	1
Benzene	ND		1.0	0.24	ug/L			03/12/21 21:16	1
Chloroform	ND		1.0	0.26	ug/L			03/12/21 21:16	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/12/21 21:16	1
EDC	ND		1.0	0.42	ug/L			03/12/21 21:16	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/12/21 21:16	1
Hexane	ND		3.0	0.69	ug/L			03/12/21 21:16	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/12/21 21:16	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/12/21 21:16	1
o-Xylene	ND		1.0	0.39	ug/L			03/12/21 21:16	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/12/21 21:16	1
Trichloroethene	ND		1.0	0.26	ug/L			03/12/21 21:16	1
Toluene	ND		1.0	0.39	ug/L			03/12/21 21:16	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/12/21 21:16	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/12/21 21:16	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/12/21 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		03/12/21 21:16	1
4-Bromofluorobenzene (Surr)	86		80 - 120		03/12/21 21:16	1
Dibromofluoromethane (Surr)	97		80 - 120		03/12/21 21:16	1
Toluene-d8 (Surr)	98		80 - 120		03/12/21 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/11/21 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		03/11/21 20:00	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)	120		110	67	ug/L		03/15/21 11:27	03/17/21 08:32	1
Motor Oil (>C24-C36)	ND		360	99	ug/L		03/15/21 11:27	03/17/21 08:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	84		50 - 150	03/15/21 11:27	03/17/21 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 19:15	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:48	03/23/21 07:05	5

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-4_24.01_20210308

Lab Sample ID: 580-101670-5

Date Collected: 03/08/21 13:25

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/12/21 21:41	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/12/21 21:41	1
1,3-Butadiene	11		1.0	0.49	ug/L			03/12/21 21:41	1
Benzene	80		1.0	0.24	ug/L			03/12/21 21:41	1
Chloroform	4.0		1.0	0.26	ug/L			03/12/21 21:41	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/12/21 21:41	1
EDC	ND		1.0	0.42	ug/L			03/12/21 21:41	1
Hexane	81		3.0	0.69	ug/L			03/12/21 21:41	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/12/21 21:41	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/12/21 21:41	1
Trichloroethene	ND		1.0	0.26	ug/L			03/12/21 21:41	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/12/21 21:41	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/12/21 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		80 - 126		03/12/21 21:41	1
4-Bromofluorobenzene (Surr)	70	S1-	80 - 120		03/12/21 21:41	1
Dibromofluoromethane (Surr)	81		80 - 120		03/12/21 21:41	1
Toluene-d8 (Surr)	84		80 - 120		03/12/21 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	330		10	5.0	ug/L			03/16/21 01:34	10
Toluene	530		10	3.9	ug/L			03/16/21 01:34	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 126		03/16/21 01:34	10
4-Bromofluorobenzene (Surr)	103		80 - 120		03/16/21 01:34	10
Dibromofluoromethane (Surr)	99		80 - 120		03/16/21 01:34	10
Toluene-d8 (Surr)	101		80 - 120		03/16/21 01:34	10

Method: 8260D - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	2300		100	27	ug/L			03/17/21 20:37	50
o-Xylene	1000		50	20	ug/L			03/17/21 20:37	50
Xylenes, Total	3300		100	27	ug/L			03/17/21 20:37	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 126		03/17/21 20:37	50
4-Bromofluorobenzene (Surr)	97		80 - 120		03/17/21 20:37	50
Dibromofluoromethane (Surr)	96		80 - 120		03/17/21 20:37	50
Toluene-d8 (Surr)	99		80 - 120		03/17/21 20:37	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	23000		250	100	ug/L			03/11/21 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	285	S1+	50 - 150		03/11/21 20:24	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-4_24.01_20210308

Lab Sample ID: 580-101670-5

Date Collected: 03/08/21 13:25

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	7700		120	69	ug/L	-	03/15/21 11:27	03/17/21 08:52	1
Motor Oil (>C24-C36)	1600		370	100	ug/L	-	03/15/21 11:27	03/17/21 08:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				03/15/21 11:27	03/17/21 08:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	74		10	1.0	ug/L	-	03/13/21 11:33	03/15/21 19:19	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24		10	1.0	ug/L	-	03/21/21 13:48	03/23/21 07:09	5

Client Sample ID: MW-5_26.06_20210308

Lab Sample ID: 580-101670-6

Date Collected: 03/08/21 14:25

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L	-		03/12/21 22:06	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L	-		03/12/21 22:06	1
1,3-Butadiene	ND		1.0	0.49	ug/L	-		03/12/21 22:06	1
Benzene	ND		1.0	0.24	ug/L	-		03/12/21 22:06	1
Chloroform	ND		1.0	0.26	ug/L	-		03/12/21 22:06	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L	-		03/12/21 22:06	1
EDC	ND		1.0	0.42	ug/L	-		03/12/21 22:06	1
Ethylbenzene	ND		1.0	0.50	ug/L	-		03/12/21 22:06	1
Hexane	ND		3.0	0.69	ug/L	-		03/12/21 22:06	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L	-		03/12/21 22:06	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L	-		03/12/21 22:06	1
o-Xylene	1.6		1.0	0.39	ug/L	-		03/12/21 22:06	1
Tetrachloroethene	ND		1.0	0.41	ug/L	-		03/12/21 22:06	1
Trichloroethene	ND		1.0	0.26	ug/L	-		03/12/21 22:06	1
Toluene	ND		1.0	0.39	ug/L	-		03/12/21 22:06	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L	-		03/12/21 22:06	1
Vinyl chloride	ND		1.0	0.22	ug/L	-		03/12/21 22:06	1
Xylenes, Total	ND		2.0	0.53	ug/L	-		03/12/21 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 126					03/12/21 22:06	1
4-Bromofluorobenzene (Surr)	88		80 - 120					03/12/21 22:06	1
Dibromofluoromethane (Surr)	93		80 - 120					03/12/21 22:06	1
Toluene-d8 (Surr)	100		80 - 120					03/12/21 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L	-		03/11/21 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150					03/11/21 20:49	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-5_26.06_20210308

Lab Sample ID: 580-101670-6

Date Collected: 03/08/21 14:25

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	170		110	67	ug/L		03/15/21 11:27	03/17/21 09:12	1
Motor Oil (>C24-C36)	ND		360	99	ug/L		03/15/21 11:27	03/17/21 09:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150				03/15/21 11:27	03/17/21 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 19:23	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:48	03/23/21 07:13	5

Client Sample ID: MW-6_13.52_20210308

Lab Sample ID: 580-101670-7

Date Collected: 03/08/21 10:50

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/12/21 22:31	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/12/21 22:31	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/12/21 22:31	1
Benzene	ND		1.0	0.24	ug/L			03/12/21 22:31	1
Chloroform	ND		1.0	0.26	ug/L			03/12/21 22:31	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/12/21 22:31	1
EDC	ND		1.0	0.42	ug/L			03/12/21 22:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/12/21 22:31	1
Hexane	ND		3.0	0.69	ug/L			03/12/21 22:31	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/12/21 22:31	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/12/21 22:31	1
o-Xylene	ND		1.0	0.39	ug/L			03/12/21 22:31	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/12/21 22:31	1
Trichloroethene	ND		1.0	0.26	ug/L			03/12/21 22:31	1
Toluene	ND		1.0	0.39	ug/L			03/12/21 22:31	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/12/21 22:31	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/12/21 22:31	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/12/21 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 126					03/12/21 22:31	1
4-Bromofluorobenzene (Surr)	92		80 - 120					03/12/21 22:31	1
Dibromofluoromethane (Surr)	97		80 - 120					03/12/21 22:31	1
Toluene-d8 (Surr)	101		80 - 120					03/12/21 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/11/21 21:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150					03/11/21 21:13	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-6_13.52_20210308

Lab Sample ID: 580-101670-7

Date Collected: 03/08/21 10:50

Matrix: Water

Date Received: 03/10/21 10:40

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	67	ug/L		03/15/21 11:27	03/17/21 09:32	1
Motor Oil (>C24-C36)	ND		360	99	ug/L		03/15/21 11:27	03/17/21 09:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				03/15/21 11:27	03/17/21 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 19:27	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:48	03/23/21 07:17	5

Client Sample ID: MW-9_23.00_20210308

Lab Sample ID: 580-101670-8

Date Collected: 03/08/21 18:10

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/13/21 05:12	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/13/21 05:12	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/13/21 05:12	1
Benzene	ND		1.0	0.24	ug/L			03/13/21 05:12	1
Chloroform	ND		1.0	0.26	ug/L			03/13/21 05:12	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/13/21 05:12	1
EDC	ND		1.0	0.42	ug/L			03/13/21 05:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/13/21 05:12	1
Hexane	ND		3.0	0.69	ug/L			03/13/21 05:12	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/13/21 05:12	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/13/21 05:12	1
o-Xylene	ND		1.0	0.39	ug/L			03/13/21 05:12	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/13/21 05:12	1
Trichloroethene	ND		1.0	0.26	ug/L			03/13/21 05:12	1
Toluene	ND		1.0	0.39	ug/L			03/13/21 05:12	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/13/21 05:12	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/13/21 05:12	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/13/21 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 126					03/13/21 05:12	1
4-Bromofluorobenzene (Surr)	83		80 - 120					03/13/21 05:12	1
Dibromofluoromethane (Surr)	98		80 - 120					03/13/21 05:12	1
Toluene-d8 (Surr)	104		80 - 120					03/13/21 05:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/11/21 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150					03/11/21 21:38	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-9_23.00_20210308

Lab Sample ID: 580-101670-8

Date Collected: 03/08/21 18:10

Matrix: Water

Date Received: 03/10/21 10:40

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		120	68	ug/L		03/15/21 11:27	03/17/21 09:52	1
Motor Oil (>C24-C36)	ND		370	100	ug/L		03/15/21 11:27	03/17/21 09:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150				03/15/21 11:27	03/17/21 09:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 19:31	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:48	03/23/21 07:21	5

Client Sample ID: MW-11_24.40_20210308

Lab Sample ID: 580-101670-9

Date Collected: 03/08/21 16:00

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/13/21 05:37	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/13/21 05:37	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/13/21 05:37	1
Benzene	ND		1.0	0.24	ug/L			03/13/21 05:37	1
Chloroform	ND		1.0	0.26	ug/L			03/13/21 05:37	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/13/21 05:37	1
EDC	ND		1.0	0.42	ug/L			03/13/21 05:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/13/21 05:37	1
Hexane	ND		3.0	0.69	ug/L			03/13/21 05:37	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/13/21 05:37	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/13/21 05:37	1
o-Xylene	ND		1.0	0.39	ug/L			03/13/21 05:37	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/13/21 05:37	1
Trichloroethene	ND		1.0	0.26	ug/L			03/13/21 05:37	1
Toluene	ND		1.0	0.39	ug/L			03/13/21 05:37	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/13/21 05:37	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/13/21 05:37	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/13/21 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 126					03/13/21 05:37	1
4-Bromofluorobenzene (Surr)	91		80 - 120					03/13/21 05:37	1
Dibromofluoromethane (Surr)	93		80 - 120					03/13/21 05:37	1
Toluene-d8 (Surr)	103		80 - 120					03/13/21 05:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/11/21 22:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150					03/11/21 22:03	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-11_24.40_20210308

Lab Sample ID: 580-101670-9

Date Collected: 03/08/21 16:00

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	840		120	69	ug/L		03/15/21 11:27	03/17/21 10:12	1
Motor Oil (>C24-C36)	ND		370	100	ug/L		03/15/21 11:27	03/17/21 10:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				03/15/21 11:27	03/17/21 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 19:35	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:48	03/23/21 07:25	5

Client Sample ID: MW-12_25.32_20210308

Lab Sample ID: 580-101670-10

Date Collected: 03/08/21 16:45

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND	F1 F2	1.0	0.24	ug/L			03/13/21 06:01	1
1,1-Dichloroethene	ND	F1 F2	1.0	0.28	ug/L			03/13/21 06:01	1
1,3-Butadiene	ND	F2	1.0	0.49	ug/L			03/13/21 06:01	1
Benzene	ND	F1 F2	1.0	0.24	ug/L			03/13/21 06:01	1
Chloroform	ND	F1 F2	1.0	0.26	ug/L			03/13/21 06:01	1
cis-1,2-Dichloroethene	ND	F1 F2	1.0	0.35	ug/L			03/13/21 06:01	1
EDC	ND	F1 F2	1.0	0.42	ug/L			03/13/21 06:01	1
Ethylbenzene	18	F1	1.0	0.50	ug/L			03/13/21 06:01	1
Hexane	ND	F2	3.0	0.69	ug/L			03/13/21 06:01	1
Methyl tert-butyl ether	ND	F1 F2	1.0	0.44	ug/L			03/13/21 06:01	1
m-Xylene & p-Xylene	ND	F1 F2	2.0	0.53	ug/L			03/13/21 06:01	1
o-Xylene	ND	F1 F2	1.0	0.39	ug/L			03/13/21 06:01	1
Tetrachloroethene	ND	F1 F2	1.0	0.41	ug/L			03/13/21 06:01	1
Trichloroethene	ND	F1 F2	1.0	0.26	ug/L			03/13/21 06:01	1
Toluene	ND	F1 F2	1.0	0.39	ug/L			03/13/21 06:01	1
trans-1,2-Dichloroethene	ND	F1 F2	1.0	0.39	ug/L			03/13/21 06:01	1
Vinyl chloride	ND	F2	1.0	0.22	ug/L			03/13/21 06:01	1
Xylenes, Total	ND	F1 F2	2.0	0.53	ug/L			03/13/21 06:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		80 - 126					03/13/21 06:01	1
4-Bromofluorobenzene (Surr)	110		80 - 120					03/13/21 06:01	1
Dibromofluoromethane (Surr)	87		80 - 120					03/13/21 06:01	1
Toluene-d8 (Surr)	121	S1+	80 - 120					03/13/21 06:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1600		250	100	ug/L			03/11/21 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	50 - 150					03/11/21 17:08	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: MW-12_25.32_20210308

Lab Sample ID: 580-101670-10

Date Collected: 03/08/21 16:45

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2500		110	67	ug/L		03/15/21 11:27	03/23/21 20:29	1
Motor Oil (>C24-C36)	ND		360	99	ug/L		03/15/21 11:27	03/23/21 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150				03/15/21 11:27	03/23/21 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND	F1	10	1.0	ug/L		03/13/21 11:33	03/15/21 18:21	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:47	03/23/21 06:10	5

Client Sample ID: DUP-1_20210308

Lab Sample ID: 580-101670-11

Date Collected: 03/08/21 06:00

Matrix: Water

Date Received: 03/10/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/13/21 18:37	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/13/21 18:37	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/13/21 18:37	1
Benzene	ND		1.0	0.24	ug/L			03/13/21 18:37	1
Chloroform	ND		1.0	0.26	ug/L			03/13/21 18:37	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/13/21 18:37	1
EDC	ND		1.0	0.42	ug/L			03/13/21 18:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/13/21 18:37	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/13/21 18:37	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/13/21 18:37	1
o-Xylene	ND		1.0	0.39	ug/L			03/13/21 18:37	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/13/21 18:37	1
Trichloroethene	ND		1.0	0.26	ug/L			03/13/21 18:37	1
Toluene	ND		1.0	0.39	ug/L			03/13/21 18:37	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/13/21 18:37	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/13/21 18:37	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/13/21 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 126					03/13/21 18:37	1
4-Bromofluorobenzene (Surr)	87		80 - 120					03/13/21 18:37	1
Dibromofluoromethane (Surr)	92		80 - 120					03/13/21 18:37	1
Toluene-d8 (Surr)	104		80 - 120					03/13/21 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		3.0	0.69	ug/L			03/17/21 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 126					03/17/21 21:04	1
4-Bromofluorobenzene (Surr)	94		80 - 120					03/17/21 21:04	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-101670-1

Client Sample ID: DUP-1__20210308

Lab Sample ID: 580-101670-11

Date Collected: 03/08/21 06:00

Matrix: Water

Date Received: 03/10/21 10:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		80 - 120		03/17/21 21:04	1
Toluene-d8 (Surr)	97		80 - 120		03/17/21 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/15/21 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150					03/15/21 12:21	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		120	68	ug/L		03/15/21 11:27	03/21/21 06:33	1
Motor Oil (>C24-C36)	ND		370	100	ug/L		03/15/21 11:27	03/21/21 06:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	84		50 - 150				03/15/21 11:27	03/21/21 06:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 18:17	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:48	03/23/21 07:45	5

Surrogate Summary

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

Job ID: 580-101670-1

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 (80-126)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
580-101670-1	GWM-1_23.35_20210308	104	87	93	101
580-101670-2	MW-1_25.27_20210308	103	87	93	100
580-101670-3	MW-2_24.32_20210308	108	38 S1-	101	101
580-101670-4	MW-3_23.11_20210308	109	86	97	98
580-101670-5	MW-4_24.01_20210308	83	70 S1-	81	84
580-101670-5 - DL	MW-4_24.01_20210308	97	103	99	101
580-101670-5 - DL2	MW-4_24.01_20210308	98	97	96	99
580-101670-6	MW-5_26.06_20210308	100	88	93	100
580-101670-7	MW-6_13.52_20210308	107	92	97	101
580-101670-8	MW-9_23.00_20210308	101	83	98	104
580-101670-9	MW-11_24.40_20210308	99	91	93	103
580-101670-10	MW-12_25.32_20210308	85	110	87	121 S1+
580-101670-10 MS	MW-12_25.32_20210308	89	106	88	108
580-101670-10 MSD	MW-12_25.32_20210308	90	107	90	107
580-101670-11	DUP-1_20210308	101	87	92	104
580-101670-11 - RA	DUP-1_20210308	100	94	100	97
LCS 580-351900/4	Lab Control Sample	91	96	88	104
LCS 580-351914/4	Lab Control Sample	91	98	91	105
LCS 580-351939/4	Lab Control Sample	89	96	90	101
LCS 580-352179/6	Lab Control Sample	99	100	98	100
LCS 580-352327/6	Lab Control Sample	98	97	98	101
LCSD 580-351900/5	Lab Control Sample Dup	91	93	90	104
LCSD 580-351914/5	Lab Control Sample Dup	90	93	92	105
LCSD 580-351939/5	Lab Control Sample Dup	89	95	90	103
LCSD 580-352179/7	Lab Control Sample Dup	96	102	99	99
LCSD 580-352327/7	Lab Control Sample Dup	98	100	101	100
MB 580-351900/7	Method Blank	101	84	97	93
MB 580-351914/7	Method Blank	105	87	96	101
MB 580-351939/7	Method Blank	96	89	91	101
MB 580-352179/5	Method Blank	101	97	103	98
MB 580-352327/5	Method Blank	102	95	102	98

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)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB2 (50-150)			
580-101670-1	GWM-1_23.35_20210308	89			
580-101670-2	MW-1_25.27_20210308	94			
580-101670-3	MW-2_24.32_20210308	91			
580-101670-4	MW-3_23.11_20210308	92			
580-101670-5	MW-4_24.01_20210308	285 S1+			
580-101670-6	MW-5_26.06_20210308	94			

Eurofins TestAmerica, Seattle

Surrogate Summary

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

Job ID: 580-101670-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB2 (50-150)
580-101670-7	MW-6_13.52_20210308	92
580-101670-8	MW-9_23.00_20210308	93
580-101670-9	MW-11_24.40_20210308	93
580-101670-10	MW-12_25.32_20210308	165 S1+
580-101670-10 MS	MW-12_25.32_20210308	161 S1+
580-101670-10 MSD	MW-12_25.32_20210308	160 S1+
580-101670-11	DUP-1_20210308	92
LCS 580-351856/5	Lab Control Sample	98
LCS 580-352152/5	Lab Control Sample	100
LCSD 580-351856/6	Lab Control Sample Dup	97
LCSD 580-352152/6	Lab Control Sample Dup	98
MB 580-351856/4	Method Blank	90
MB 580-352152/4	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH (50-150)
580-101670-1	GWM-1_23.35_20210308	79
580-101670-2	MW-1_25.27_20210308	81
580-101670-3	MW-2_24.32_20210308	83
580-101670-4	MW-3_23.11_20210308	84
580-101670-5	MW-4_24.01_20210308	93
580-101670-6	MW-5_26.06_20210308	85
580-101670-7	MW-6_13.52_20210308	91
580-101670-8	MW-9_23.00_20210308	79
580-101670-9	MW-11_24.40_20210308	93
580-101670-10	MW-12_25.32_20210308	80
580-101670-10 MS	MW-12_25.32_20210308	88
580-101670-10 MSD	MW-12_25.32_20210308	90
580-101670-11	DUP-1_20210308	84
LCS 580-351862/2-A	Lab Control Sample	105
LCS 580-352013/2-A	Lab Control Sample	101
LCS 580-352013/2-A	Lab Control Sample	96
LCSD 580-351862/3-A	Lab Control Sample Dup	95
LCSD 580-352013/3-A	Lab Control Sample Dup	98
LCSD 580-352013/3-A	Lab Control Sample Dup	94
MB 580-351862/1-A	Method Blank	80
MB 580-352013/1-A	Method Blank	89
MB 580-352013/1-A	Method Blank	81

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: MB 580-351900/7

Matrix: Water

Analysis Batch: 351900

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/12/21 15:24	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/12/21 15:24	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/12/21 15:24	1
Benzene	ND		1.0	0.24	ug/L			03/12/21 15:24	1
Chloroform	ND		1.0	0.26	ug/L			03/12/21 15:24	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/12/21 15:24	1
EDC	ND		1.0	0.42	ug/L			03/12/21 15:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/12/21 15:24	1
Hexane	ND		3.0	0.69	ug/L			03/12/21 15:24	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/12/21 15:24	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/12/21 15:24	1
o-Xylene	ND		1.0	0.39	ug/L			03/12/21 15:24	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/12/21 15:24	1
Trichloroethene	ND		1.0	0.26	ug/L			03/12/21 15:24	1
Toluene	ND		1.0	0.39	ug/L			03/12/21 15:24	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/12/21 15:24	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/12/21 15:24	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/12/21 15:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		03/12/21 15:24	1
4-Bromofluorobenzene (Surr)	84		80 - 120		03/12/21 15:24	1
Dibromofluoromethane (Surr)	97		80 - 120		03/12/21 15:24	1
Toluene-d8 (Surr)	93		80 - 120		03/12/21 15:24	1

Lab Sample ID: LCS 580-351900/4

Matrix: Water

Analysis Batch: 351900

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	11.3		ug/L		113	80 - 121
1,1-Dichloroethene	10.0	10.2		ug/L		102	70 - 129
1,3-Butadiene	10.0	10.6		ug/L		106	41 - 150
Benzene	10.0	10.6		ug/L		106	82 - 122
Chloroform	10.0	9.86		ug/L		99	73 - 127
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	76 - 129
EDC	10.0	9.62		ug/L		96	76 - 126
Ethylbenzene	10.0	10.6		ug/L		106	80 - 120
Hexane	10.0	10.8		ug/L		108	48 - 150
Methyl tert-butyl ether	10.0	10.4		ug/L		104	72 - 130
m-Xylene & p-Xylene	10.0	10.4		ug/L		104	80 - 120
o-Xylene	10.0	10.5		ug/L		105	80 - 125
Tetrachloroethene	10.0	10.5		ug/L		105	76 - 120
Trichloroethene	10.0	10.2		ug/L		102	81 - 125
Toluene	10.0	11.0		ug/L		110	80 - 120
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	70 - 130
Vinyl chloride	10.0	10.8		ug/L		108	65 - 130
Xylenes, Total	20.0	20.9		ug/L		105	80 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: LCS 580-351900/4

Matrix: Water

Analysis Batch: 351900

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		80 - 126
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	88		80 - 120
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: LCSD 580-351900/5

Matrix: Water

Analysis Batch: 351900

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
1,1,2-Trichloroethane	10.0	11.1		ug/L		111	80 - 121	2	14
1,1-Dichloroethene	10.0	9.79		ug/L		98	70 - 129	4	17
1,3-Butadiene	10.0	10.5		ug/L		105	41 - 150	1	14
Benzene	10.0	10.3		ug/L		103	82 - 122	3	14
Chloroform	10.0	9.70		ug/L		97	73 - 127	2	14
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	76 - 129	0	15
EDC	10.0	9.59		ug/L		96	76 - 126	0	11
Ethylbenzene	10.0	10.5		ug/L		105	80 - 120	2	14
Hexane	10.0	10.6		ug/L		106	48 - 150	1	19
Methyl tert-butyl ether	10.0	10.4		ug/L		104	72 - 130	1	18
m-Xylene & p-Xylene	10.0	10.0		ug/L		100	80 - 120	4	14
o-Xylene	10.0	10.1		ug/L		101	80 - 125	4	16
Tetrachloroethene	10.0	10.5		ug/L		105	76 - 120	1	13
Trichloroethene	10.0	9.74		ug/L		97	81 - 125	5	13
Toluene	10.0	10.6		ug/L		106	80 - 120	3	13
trans-1,2-Dichloroethene	10.0	9.95		ug/L		99	70 - 130	2	21
Vinyl chloride	10.0	10.7		ug/L		107	65 - 130	1	14
Xylenes, Total	20.0	20.1		ug/L		101	80 - 120	4	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		80 - 126
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: MB 580-351914/7

Matrix: Water

Analysis Batch: 351914

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/13/21 03:06	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/13/21 03:06	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/13/21 03:06	1
Benzene	ND		1.0	0.24	ug/L			03/13/21 03:06	1
Chloroform	ND		1.0	0.26	ug/L			03/13/21 03:06	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/13/21 03:06	1
EDC	ND		1.0	0.42	ug/L			03/13/21 03:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/13/21 03:06	1

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: MB 580-351914/7

Matrix: Water

Analysis Batch: 351914

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		3.0	0.69	ug/L			03/13/21 03:06	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/13/21 03:06	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/13/21 03:06	1
o-Xylene	ND		1.0	0.39	ug/L			03/13/21 03:06	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/13/21 03:06	1
Trichloroethene	ND		1.0	0.26	ug/L			03/13/21 03:06	1
Toluene	ND		1.0	0.39	ug/L			03/13/21 03:06	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/13/21 03:06	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/13/21 03:06	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/13/21 03:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		03/13/21 03:06	1
4-Bromofluorobenzene (Surr)	87		80 - 120		03/13/21 03:06	1
Dibromofluoromethane (Surr)	96		80 - 120		03/13/21 03:06	1
Toluene-d8 (Surr)	101		80 - 120		03/13/21 03:06	1

Lab Sample ID: LCS 580-351914/4

Matrix: Water

Analysis Batch: 351914

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	80 - 121
1,1-Dichloroethene	10.0	9.98		ug/L		100	70 - 129
1,3-Butadiene	10.0	10.8		ug/L		108	41 - 150
Benzene	10.0	10.3		ug/L		103	82 - 122
Chloroform	10.0	10.0		ug/L		100	73 - 127
cis-1,2-Dichloroethene	10.0	9.94		ug/L		99	76 - 129
EDC	10.0	9.32		ug/L		93	76 - 126
Ethylbenzene	10.0	10.2		ug/L		102	80 - 120
Hexane	10.0	9.08		ug/L		91	48 - 150
Methyl tert-butyl ether	10.0	10.2		ug/L		102	72 - 130
m-Xylene & p-Xylene	10.0	9.85		ug/L		99	80 - 120
o-Xylene	10.0	10.5		ug/L		105	80 - 125
Tetrachloroethene	10.0	9.62		ug/L		96	76 - 120
Trichloroethene	10.0	10.1		ug/L		101	81 - 125
Toluene	10.0	10.6		ug/L		106	80 - 120
trans-1,2-Dichloroethene	10.0	9.82		ug/L		98	70 - 130
Vinyl chloride	10.0	10.1		ug/L		101	65 - 130
Xylenes, Total	20.0	20.4		ug/L		102	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		80 - 126
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	91		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: LCSD 580-351914/5

Matrix: Water

Analysis Batch: 351914

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
1,1,2-Trichloroethane	10.0	10.7		ug/L		107	80 - 121	2	14
1,1-Dichloroethene	10.0	9.73		ug/L		97	70 - 129	3	17
1,3-Butadiene	10.0	10.6		ug/L		106	41 - 150	1	14
Benzene	10.0	10.3		ug/L		103	82 - 122	0	14
Chloroform	10.0	9.94		ug/L		99	73 - 127	1	14
cis-1,2-Dichloroethene	10.0	9.71		ug/L		97	76 - 129	2	15
EDC	10.0	9.35		ug/L		93	76 - 126	0	11
Ethylbenzene	10.0	10.3		ug/L		103	80 - 120	0	14
Hexane	10.0	9.14		ug/L		91	48 - 150	1	19
Methyl tert-butyl ether	10.0	10.0		ug/L		100	72 - 130	1	18
m-Xylene & p-Xylene	10.0	10.4		ug/L		104	80 - 120	5	14
o-Xylene	10.0	10.3		ug/L		103	80 - 125	3	16
Tetrachloroethene	10.0	9.69		ug/L		97	76 - 120	1	13
Trichloroethene	10.0	10.0		ug/L		100	81 - 125	0	13
Toluene	10.0	10.7		ug/L		107	80 - 120	1	13
trans-1,2-Dichloroethene	10.0	9.72		ug/L		97	70 - 130	1	21
Vinyl chloride	10.0	10.1		ug/L		101	65 - 130	0	14
Xylenes, Total	20.0	20.7		ug/L		104	80 - 120	2	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		80 - 126
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	92		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: 580-101670-10 MS

Matrix: Water

Analysis Batch: 351914

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	ND	F1 F2	10.0	7.33	F1	ug/L		73	80 - 121
1,1-Dichloroethene	ND	F1 F2	10.0	6.95	F1	ug/L		69	70 - 129
1,3-Butadiene	ND	F2	10.0	7.03		ug/L		70	41 - 150
Benzene	ND	F1 F2	10.0	7.31	F1	ug/L		67	82 - 122
Chloroform	ND	F1 F2	10.0	6.92	F1	ug/L		69	73 - 127
cis-1,2-Dichloroethene	ND	F1 F2	10.0	6.55	F1	ug/L		66	76 - 129
EDC	ND	F1 F2	10.0	5.92	F1	ug/L		59	76 - 126
Ethylbenzene	18	F1	10.0	21.9	F1	ug/L		40	80 - 120
Hexane	ND	F2	10.0	6.00		ug/L		60	48 - 150
Methyl tert-butyl ether	ND	F1 F2	10.0	6.03	F1	ug/L		60	72 - 130
m-Xylene & p-Xylene	ND	F1 F2	10.0	7.48	F1	ug/L		61	80 - 120
o-Xylene	ND	F1 F2	10.0	6.56	F1	ug/L		66	80 - 125
Tetrachloroethene	ND	F1 F2	10.0	6.07	F1	ug/L		61	76 - 120
Trichloroethene	ND	F1 F2	10.0	6.22	F1	ug/L		62	81 - 125
Toluene	ND	F1 F2	10.0	6.73	F1	ug/L		67	80 - 120
trans-1,2-Dichloroethene	ND	F1 F2	10.0	6.67	F1	ug/L		67	70 - 130
Vinyl chloride	ND	F2	10.0	7.96		ug/L		80	65 - 130
Xylenes, Total	ND	F1 F2	20.0	14.0	F1	ug/L		70	80 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: 580-101670-10 MS

Matrix: Water

Analysis Batch: 351914

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		80 - 126
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	88		80 - 120
Toluene-d8 (Surr)	108		80 - 120

Lab Sample ID: 580-101670-10 MSD

Matrix: Water

Analysis Batch: 351914

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	F1 F2	10.0	11.1	F2	ug/L		111	80 - 121	41	14
1,1-Dichloroethene	ND	F1 F2	10.0	10.3	F2	ug/L		103	70 - 129	39	17
1,3-Butadiene	ND	F2	10.0	10.8	F2	ug/L		108	41 - 150	43	14
Benzene	ND	F1 F2	10.0	10.7	F2	ug/L		101	82 - 122	38	14
Chloroform	ND	F1 F2	10.0	9.92	F2	ug/L		99	73 - 127	36	14
cis-1,2-Dichloroethene	ND	F1 F2	10.0	9.93	F2	ug/L		99	76 - 129	41	15
EDC	ND	F1 F2	10.0	9.25	F2	ug/L		93	76 - 126	44	11
Ethylbenzene	18	F1	10.0	24.2	F1	ug/L		63	80 - 120	10	14
Hexane	ND	F2	10.0	10.6	F2	ug/L		106	48 - 150	55	19
Methyl tert-butyl ether	ND	F1 F2	10.0	9.88	F2	ug/L		99	72 - 130	48	18
m-Xylene & p-Xylene	ND	F1 F2	10.0	11.3	F2	ug/L		100	80 - 120	41	14
o-Xylene	ND	F1 F2	10.0	10.5	F2	ug/L		105	80 - 125	46	16
Tetrachloroethene	ND	F1 F2	10.0	9.73	F2	ug/L		97	76 - 120	46	13
Trichloroethene	ND	F1 F2	10.0	9.93	F2	ug/L		99	81 - 125	46	13
Toluene	ND	F1 F2	10.0	10.8	F2	ug/L		108	80 - 120	47	13
trans-1,2-Dichloroethene	ND	F1 F2	10.0	9.77	F2	ug/L		98	70 - 130	38	21
Vinyl chloride	ND	F2	10.0	11.3	F2	ug/L		113	65 - 130	35	14
Xylenes, Total	ND	F1 F2	20.0	21.8	F2	ug/L		109	80 - 120	43	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		80 - 126
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
Toluene-d8 (Surr)	107		80 - 120

Lab Sample ID: MB 580-351939/7

Matrix: Water

Analysis Batch: 351939

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/13/21 15:16	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/13/21 15:16	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/13/21 15:16	1
Benzene	ND		1.0	0.24	ug/L			03/13/21 15:16	1
Chloroform	ND		1.0	0.26	ug/L			03/13/21 15:16	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/13/21 15:16	1
EDC	ND		1.0	0.42	ug/L			03/13/21 15:16	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/13/21 15:16	1

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: MB 580-351939/7

Matrix: Water

Analysis Batch: 351939

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		3.0	0.69	ug/L			03/13/21 15:16	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/13/21 15:16	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/13/21 15:16	1
o-Xylene	ND		1.0	0.39	ug/L			03/13/21 15:16	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/13/21 15:16	1
Trichloroethene	ND		1.0	0.26	ug/L			03/13/21 15:16	1
Toluene	ND		1.0	0.39	ug/L			03/13/21 15:16	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/13/21 15:16	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/13/21 15:16	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/13/21 15:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 126		03/13/21 15:16	1
4-Bromofluorobenzene (Surr)	89		80 - 120		03/13/21 15:16	1
Dibromofluoromethane (Surr)	91		80 - 120		03/13/21 15:16	1
Toluene-d8 (Surr)	101		80 - 120		03/13/21 15:16	1

Lab Sample ID: LCS 580-351939/4

Matrix: Water

Analysis Batch: 351939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	9.91		ug/L		99	80 - 121
1,1-Dichloroethene	10.0	9.54		ug/L		95	70 - 129
1,3-Butadiene	10.0	10.5		ug/L		105	41 - 150
Benzene	10.0	10.0		ug/L		100	82 - 122
Chloroform	10.0	9.21		ug/L		92	73 - 127
cis-1,2-Dichloroethene	10.0	9.37		ug/L		94	76 - 129
EDC	10.0	8.28		ug/L		83	76 - 126
Ethylbenzene	10.0	9.61		ug/L		96	80 - 120
Hexane	10.0	8.47		ug/L		85	48 - 150
Methyl tert-butyl ether	10.0	9.65		ug/L		96	72 - 130
m-Xylene & p-Xylene	10.0	9.00		ug/L		90	80 - 120
o-Xylene	10.0	9.78		ug/L		98	80 - 125
Tetrachloroethene	10.0	9.06		ug/L		91	76 - 120
Trichloroethene	10.0	9.60		ug/L		96	81 - 125
Toluene	10.0	9.98		ug/L		100	80 - 120
trans-1,2-Dichloroethene	10.0	9.32		ug/L		93	70 - 130
Vinyl chloride	10.0	11.0		ug/L		110	65 - 130
Xylenes, Total	20.0	18.8		ug/L		94	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		80 - 126
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: LCSD 580-351939/5

Matrix: Water

Analysis Batch: 351939

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
1,1,2-Trichloroethane	10.0	9.91		ug/L		99	80 - 121	0	14
1,1-Dichloroethene	10.0	9.30		ug/L		93	70 - 129	3	17
1,3-Butadiene	10.0	10.3		ug/L		103	41 - 150	2	14
Benzene	10.0	9.76		ug/L		98	82 - 122	3	14
Chloroform	10.0	8.96		ug/L		90	73 - 127	3	14
cis-1,2-Dichloroethene	10.0	9.14		ug/L		91	76 - 129	2	15
EDC	10.0	8.33		ug/L		83	76 - 126	1	11
Ethylbenzene	10.0	9.72		ug/L		97	80 - 120	1	14
Hexane	10.0	8.59		ug/L		86	48 - 150	1	19
Methyl tert-butyl ether	10.0	9.07		ug/L		91	72 - 130	6	18
m-Xylene & p-Xylene	10.0	9.10		ug/L		91	80 - 120	1	14
o-Xylene	10.0	9.86		ug/L		99	80 - 125	1	16
Tetrachloroethene	10.0	9.32		ug/L		93	76 - 120	3	13
Trichloroethene	10.0	9.63		ug/L		96	81 - 125	0	13
Toluene	10.0	10.1		ug/L		101	80 - 120	2	13
trans-1,2-Dichloroethene	10.0	9.15		ug/L		92	70 - 130	2	21
Vinyl chloride	10.0	10.4		ug/L		104	65 - 130	5	14
Xylenes, Total	20.0	19.0		ug/L		95	80 - 120	1	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		80 - 126
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 580-352179/5

Matrix: Water

Analysis Batch: 352179

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			03/15/21 17:48	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			03/15/21 17:48	1
1,3-Butadiene	ND		1.0	0.49	ug/L			03/15/21 17:48	1
Benzene	ND		1.0	0.24	ug/L			03/15/21 17:48	1
Chloroform	ND		1.0	0.26	ug/L			03/15/21 17:48	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			03/15/21 17:48	1
EDC	ND		1.0	0.42	ug/L			03/15/21 17:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			03/15/21 17:48	1
Hexane	ND		3.0	0.69	ug/L			03/15/21 17:48	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			03/15/21 17:48	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/15/21 17:48	1
o-Xylene	ND		1.0	0.39	ug/L			03/15/21 17:48	1
Tetrachloroethene	ND		1.0	0.41	ug/L			03/15/21 17:48	1
Trichloroethene	ND		1.0	0.26	ug/L			03/15/21 17:48	1
Toluene	ND		1.0	0.39	ug/L			03/15/21 17:48	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			03/15/21 17:48	1
Vinyl chloride	ND		1.0	0.22	ug/L			03/15/21 17:48	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/15/21 17:48	1

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: MB 580-352179/5

Matrix: Water

Analysis Batch: 352179

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		03/15/21 17:48	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/15/21 17:48	1
Dibromofluoromethane (Surr)	103		80 - 120		03/15/21 17:48	1
Toluene-d8 (Surr)	98		80 - 120		03/15/21 17:48	1

Lab Sample ID: LCS 580-352179/6

Matrix: Water

Analysis Batch: 352179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	11.1		ug/L		111	80 - 121
1,1-Dichloroethene	10.0	9.86		ug/L		99	70 - 129
1,3-Butadiene	10.0	9.25		ug/L		93	41 - 150
Benzene	10.0	10.4		ug/L		104	82 - 122
Chloroform	10.0	10.2		ug/L		102	73 - 127
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	76 - 129
EDC	10.0	9.99		ug/L		100	76 - 126
Ethylbenzene	10.0	10.7		ug/L		107	80 - 120
Hexane	10.0	9.40		ug/L		94	48 - 150
Methyl tert-butyl ether	10.0	10.4		ug/L		104	72 - 130
m-Xylene & p-Xylene	10.0	10.6		ug/L		106	80 - 120
o-Xylene	10.0	10.5		ug/L		105	80 - 125
Tetrachloroethene	10.0	10.2		ug/L		102	76 - 120
Trichloroethene	10.0	10.6		ug/L		106	81 - 125
Toluene	10.0	10.4		ug/L		104	80 - 120
trans-1,2-Dichloroethene	10.0	9.80		ug/L		98	70 - 130
Vinyl chloride	10.0	8.91		ug/L		89	65 - 130
Xylenes, Total	20.0	21.1		ug/L		106	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 126
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 580-352179/7

Matrix: Water

Analysis Batch: 352179

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
1,1,2-Trichloroethane	10.0	10.9		ug/L		109	80 - 121	2	14
1,1-Dichloroethene	10.0	10.0		ug/L		100	70 - 129	2	17
1,3-Butadiene	10.0	8.81		ug/L		88	41 - 150	5	14
Benzene	10.0	10.2		ug/L		102	82 - 122	2	14
Chloroform	10.0	10.1		ug/L		101	73 - 127	1	14
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	76 - 129	1	15
EDC	10.0	9.80		ug/L		98	76 - 126	2	11
Ethylbenzene	10.0	10.6		ug/L		106	80 - 120	2	14

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: LCSD 580-352179/7

Matrix: Water

Analysis Batch: 352179

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
Hexane	10.0	9.01		ug/L		90	48 - 150	4	19
Methyl tert-butyl ether	10.0	10.1		ug/L		101	72 - 130	3	18
m-Xylene & p-Xylene	10.0	10.6		ug/L		106	80 - 120	0	14
o-Xylene	10.0	10.4		ug/L		104	80 - 125	0	16
Tetrachloroethene	10.0	10.6		ug/L		106	76 - 120	3	13
Trichloroethene	10.0	10.9		ug/L		109	81 - 125	2	13
Toluene	10.0	10.3		ug/L		103	80 - 120	1	13
trans-1,2-Dichloroethene	10.0	9.98		ug/L		100	70 - 130	2	21
Vinyl chloride	10.0	8.49		ug/L		85	65 - 130	5	14
Xylenes, Total	20.0	21.0		ug/L		105	80 - 120	0	16

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

Lab Sample ID: MB 580-352327/5

Matrix: Water

Analysis Batch: 352327

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		3.0	0.69	ug/L			03/17/21 11:30	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			03/17/21 11:30	1
o-Xylene	ND		1.0	0.39	ug/L			03/17/21 11:30	1
Xylenes, Total	ND		2.0	0.53	ug/L			03/17/21 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		03/17/21 11:30	1
4-Bromofluorobenzene (Surr)	95		80 - 120		03/17/21 11:30	1
Dibromofluoromethane (Surr)	102		80 - 120		03/17/21 11:30	1
Toluene-d8 (Surr)	98		80 - 120		03/17/21 11:30	1

Lab Sample ID: LCS 580-352327/6

Matrix: Water

Analysis Batch: 352327

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexane	10.0	10.8		ug/L		108	48 - 150
m-Xylene & p-Xylene	10.0	11.0		ug/L		110	80 - 120
o-Xylene	10.0	10.6		ug/L		106	80 - 125
Xylenes, Total	20.0	21.6		ug/L		108	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 126
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: LCSD 580-352327/7

Matrix: Water

Analysis Batch: 352327

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
Hexane	10.0	10.5		ug/L		105	48 - 150	4	19
m-Xylene & p-Xylene	10.0	10.5		ug/L		105	80 - 120	4	14
o-Xylene	10.0	10.5		ug/L		105	80 - 125	0	16
Xylenes, Total	20.0	21.0		ug/L		105	80 - 120	3	16

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

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

Lab Sample ID: MB 580-351856/4

Matrix: Water

Analysis Batch: 351856

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/11/21 15:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		03/11/21 15:29	1

Lab Sample ID: LCS 580-351856/5

Matrix: Water

Analysis Batch: 351856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	954		ug/L		95	79 - 120

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

Lab Sample ID: LCSD 580-351856/6

Matrix: Water

Analysis Batch: 351856

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	925		ug/L		92	79 - 120	3	10

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

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: 580-101670-10 MS

Matrix: Water

Analysis Batch: 351856

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1600		1000	2460		ug/L		84	79 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	161	S1+	50 - 150						

Lab Sample ID: 580-101670-10 MSD

Matrix: Water

Analysis Batch: 351856

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	1600		1000	2440		ug/L		83	79 - 120	1	10
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	160	S1+	50 - 150								

Lab Sample ID: MB 580-352152/4

Matrix: Water

Analysis Batch: 352152

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			03/15/21 10:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	93		50 - 150		03/15/21 10:43	1			

Lab Sample ID: LCS 580-352152/5

Matrix: Water

Analysis Batch: 352152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	1000	954		ug/L		95	79 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		50 - 150				

Lab Sample ID: LCSD 580-352152/6

Matrix: Water

Analysis Batch: 352152

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	991		ug/L		99	79 - 120	4	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		50 - 150						

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: MB 580-351862/1-A

Matrix: Water

Analysis Batch: 352027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 351862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	65	ug/L		03/12/21 11:07	03/15/21 18:40	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		03/12/21 11:07	03/15/21 18:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150				03/12/21 11:07	03/15/21 18:40	1

Lab Sample ID: LCS 580-351862/2-A

Matrix: Water

Analysis Batch: 352027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 351862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	
#2 Diesel (C10-C24)	2000	2020		ug/L		101	50 - 120	
Motor Oil (>C24-C36)	2000	2080		ug/L		104	64 - 120	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
o-Terphenyl	105		50 - 150					

Lab Sample ID: LCSD 580-351862/3-A

Matrix: Water

Analysis Batch: 352027

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 351862

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1900		ug/L		95	50 - 120	6	26
Motor Oil (>C24-C36)	2000	1960		ug/L		98	64 - 120	6	24
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	95		50 - 150						

Lab Sample ID: MB 580-352013/1-A

Matrix: Water

Analysis Batch: 352194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 352013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	65	ug/L		03/15/21 11:27	03/16/21 20:00	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		03/15/21 11:27	03/16/21 20:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150				03/15/21 11:27	03/16/21 20:00	1

Lab Sample ID: MB 580-352013/1-A

Matrix: Water

Analysis Batch: 352697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 352013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	65	ug/L		03/15/21 11:27	03/23/21 19:29	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		03/15/21 11:27	03/23/21 19:29	1

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: MB 580-352013/1-A

Matrix: Water

Analysis Batch: 352697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 352013

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	03/15/21 11:27	03/23/21 19:29	1

Lab Sample ID: LCS 580-352013/2-A

Matrix: Water

Analysis Batch: 352194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 352013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1930		ug/L		97	50 - 120
Motor Oil (>C24-C36)	2000	2040		ug/L		102	64 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	101		50 - 150				

Lab Sample ID: LCS 580-352013/2-A

Matrix: Water

Analysis Batch: 352697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 352013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	1850		ug/L		93	50 - 120
Motor Oil (>C24-C36)	2000	1990		ug/L		99	64 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	96		50 - 150				

Lab Sample ID: LCSD 580-352013/3-A

Matrix: Water

Analysis Batch: 352194

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 352013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	2040		ug/L		102	50 - 120	5	26
Motor Oil (>C24-C36)	2000	2070		ug/L		103	64 - 120	1	24
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	98		50 - 150						

Lab Sample ID: LCSD 580-352013/3-A

Matrix: Water

Analysis Batch: 352697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 352013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	1950		ug/L		97	50 - 120	5	26
Motor Oil (>C24-C36)	2000	2030		ug/L		102	64 - 120	2	24
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	94		50 - 150						

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: 580-101670-10 MS

Matrix: Water

Analysis Batch: 352697

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total/NA

Prep Batch: 352013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2500		2100	4200		ug/L		81	50 - 120
Motor Oil (>C24-C36)	ND		2100	2250		ug/L		91	64 - 120
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
o-Terphenyl	88		50 - 150						

Lab Sample ID: 580-101670-10 MSD

Matrix: Water

Analysis Batch: 352697

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total/NA

Prep Batch: 352013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2500		2080	4220		ug/L		82	50 - 120	0	26
Motor Oil (>C24-C36)	ND		2080	2250		ug/L		92	64 - 120	0	24
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
o-Terphenyl	90		50 - 150								

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-351956/22-A

Matrix: Water

Analysis Batch: 352100

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 351956

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/13/21 11:33	03/15/21 18:14	5

Lab Sample ID: LCS 580-351956/23-A

Matrix: Water

Analysis Batch: 352100

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 351956

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

Lab Sample ID: LCSD 580-351956/24-A

Matrix: Water

Analysis Batch: 352100

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 351956

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	1020		ug/L		102	80 - 120	0	20

Lab Sample ID: 580-101670-10 MS

Matrix: Water

Analysis Batch: 352100

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total Recoverable

Prep Batch: 351956

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND	F1	1000	1080		ug/L		108	80 - 120

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-101670-1

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

Lab Sample ID: 580-101670-10 MSD

Matrix: Water

Analysis Batch: 352100

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total Recoverable

Prep Batch: 351956

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	F1	1000	1230	F1	ug/L		123	80 - 120	13	20

Lab Sample ID: 580-101670-10 DU

Matrix: Water

Analysis Batch: 352100

Client Sample ID: MW-12_25.32_20210308

Prep Type: Total Recoverable

Prep Batch: 351956

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	F1	ND		ug/L				NC	20

Lab Sample ID: MB 580-352481/26-C

Matrix: Water

Analysis Batch: 352681

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 352500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		10	1.0	ug/L		03/21/21 13:48	03/23/21 06:06	5

Lab Sample ID: LCS 580-352481/27-C

Matrix: Water

Analysis Batch: 352681

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 352500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	942		ug/L		94	80 - 120		

Lab Sample ID: LCSD 580-352481/28-C

Matrix: Water

Analysis Batch: 352681

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Prep Batch: 352500

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	952		ug/L		95	80 - 120	1	20

Lab Sample ID: 580-101670-10 MS

Matrix: Water

Analysis Batch: 352681

Client Sample ID: MW-12_25.32_20210308

Prep Type: Dissolved

Prep Batch: 352500

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	979		ug/L		98	80 - 120		

Lab Sample ID: 580-101670-10 MSD

Matrix: Water

Analysis Batch: 352681

Client Sample ID: MW-12_25.32_20210308

Prep Type: Dissolved

Prep Batch: 352500

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		1000	1030		ug/L		103	80 - 120	5	20

Lab Sample ID: 580-101670-10 DU

Matrix: Water

Analysis Batch: 352681

Client Sample ID: MW-12_25.32_20210308

Prep Type: Dissolved

Prep Batch: 352500

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

Eurofins TestAmerica, Seattle

QC Association Summary

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

Job ID: 580-101670-1

GC/MS VOA

Analysis Batch: 351900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Total/NA	Water	8260D	
580-101670-2	MW-1_25.27_20210308	Total/NA	Water	8260D	
580-101670-3	MW-2_24.32_20210308	Total/NA	Water	8260D	
580-101670-4	MW-3_23.11_20210308	Total/NA	Water	8260D	
580-101670-5	MW-4_24.01_20210308	Total/NA	Water	8260D	
580-101670-6	MW-5_26.06_20210308	Total/NA	Water	8260D	
580-101670-7	MW-6_13.52_20210308	Total/NA	Water	8260D	
MB 580-351900/7	Method Blank	Total/NA	Water	8260D	
LCS 580-351900/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-351900/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 351914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-8	MW-9_23.00_20210308	Total/NA	Water	8260D	
580-101670-9	MW-11_24.40_20210308	Total/NA	Water	8260D	
580-101670-10	MW-12_25.32_20210308	Total/NA	Water	8260D	
MB 580-351914/7	Method Blank	Total/NA	Water	8260D	
LCS 580-351914/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-351914/5	Lab Control Sample Dup	Total/NA	Water	8260D	
580-101670-10 MS	MW-12_25.32_20210308	Total/NA	Water	8260D	
580-101670-10 MSD	MW-12_25.32_20210308	Total/NA	Water	8260D	

Analysis Batch: 351939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-11	DUP-1_20210308	Total/NA	Water	8260D	
MB 580-351939/7	Method Blank	Total/NA	Water	8260D	
LCS 580-351939/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-351939/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 352179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-5 - DL	MW-4_24.01_20210308	Total/NA	Water	8260D	
MB 580-352179/5	Method Blank	Total/NA	Water	8260D	
LCS 580-352179/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-352179/7	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 352327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-5 - DL2	MW-4_24.01_20210308	Total/NA	Water	8260D	
580-101670-11 - RA	DUP-1_20210308	Total/NA	Water	8260D	
MB 580-352327/5	Method Blank	Total/NA	Water	8260D	
LCS 580-352327/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-352327/7	Lab Control Sample Dup	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 351856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-2	MW-1_25.27_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-3	MW-2_24.32_20210308	Total/NA	Water	NWTPH-Gx	

Eurofins TestAmerica, Seattle

QC Association Summary

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

Job ID: 580-101670-1

GC VOA (Continued)

Analysis Batch: 351856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-4	MW-3_23.11_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-5	MW-4_24.01_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-6	MW-5_26.06_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-7	MW-6_13.52_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-8	MW-9_23.00_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-9	MW-11_24.40_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-10	MW-12_25.32_20210308	Total/NA	Water	NWTPH-Gx	
MB 580-351856/4	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-351856/5	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-351856/6	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	
580-101670-10 MS	MW-12_25.32_20210308	Total/NA	Water	NWTPH-Gx	
580-101670-10 MSD	MW-12_25.32_20210308	Total/NA	Water	NWTPH-Gx	

Analysis Batch: 352152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-11	DUP-1_20210308	Total/NA	Water	NWTPH-Gx	
MB 580-352152/4	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-352152/5	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-352152/6	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 351862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Total/NA	Water	3510C	
MB 580-351862/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-351862/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-351862/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 352013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-2	MW-1_25.27_20210308	Total/NA	Water	3510C	
580-101670-3	MW-2_24.32_20210308	Total/NA	Water	3510C	
580-101670-4	MW-3_23.11_20210308	Total/NA	Water	3510C	
580-101670-5	MW-4_24.01_20210308	Total/NA	Water	3510C	
580-101670-6	MW-5_26.06_20210308	Total/NA	Water	3510C	
580-101670-7	MW-6_13.52_20210308	Total/NA	Water	3510C	
580-101670-8	MW-9_23.00_20210308	Total/NA	Water	3510C	
580-101670-9	MW-11_24.40_20210308	Total/NA	Water	3510C	
580-101670-10	MW-12_25.32_20210308	Total/NA	Water	3510C	
580-101670-11	DUP-1_20210308	Total/NA	Water	3510C	
MB 580-352013/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-352013/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-352013/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
580-101670-10 MS	MW-12_25.32_20210308	Total/NA	Water	3510C	
580-101670-10 MSD	MW-12_25.32_20210308	Total/NA	Water	3510C	

Analysis Batch: 352027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Total/NA	Water	NWTPH-Dx	351862
MB 580-351862/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	351862

Eurofins TestAmerica, Seattle

QC Association Summary

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

Job ID: 580-101670-1

GC Semi VOA (Continued)

Analysis Batch: 352027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 580-351862/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	351862
LCSD 580-351862/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	351862

Analysis Batch: 352194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 580-352013/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	352013
LCS 580-352013/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	352013
LCSD 580-352013/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	352013

Analysis Batch: 352202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-2	MW-1_25.27_20210308	Total/NA	Water	NWTPH-Dx	352013
580-101670-3	MW-2_24.32_20210308	Total/NA	Water	NWTPH-Dx	352013
580-101670-4	MW-3_23.11_20210308	Total/NA	Water	NWTPH-Dx	352013
580-101670-5	MW-4_24.01_20210308	Total/NA	Water	NWTPH-Dx	352013
580-101670-6	MW-5_26.06_20210308	Total/NA	Water	NWTPH-Dx	352013
580-101670-7	MW-6_13.52_20210308	Total/NA	Water	NWTPH-Dx	352013
580-101670-8	MW-9_23.00_20210308	Total/NA	Water	NWTPH-Dx	352013
580-101670-9	MW-11_24.40_20210308	Total/NA	Water	NWTPH-Dx	352013

Analysis Batch: 352497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-11	DUP-1_20210308	Total/NA	Water	NWTPH-Dx	352013

Analysis Batch: 352697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-10	MW-12_25.32_20210308	Total/NA	Water	NWTPH-Dx	352013
MB 580-352013/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	352013
LCS 580-352013/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	352013
LCSD 580-352013/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	352013
580-101670-10 MS	MW-12_25.32_20210308	Total/NA	Water	NWTPH-Dx	352013
580-101670-10 MSD	MW-12_25.32_20210308	Total/NA	Water	NWTPH-Dx	352013

Metals

Prep Batch: 351956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Total Recoverable	Water	3005A	
580-101670-2	MW-1_25.27_20210308	Total Recoverable	Water	3005A	
580-101670-3	MW-2_24.32_20210308	Total Recoverable	Water	3005A	
580-101670-4	MW-3_23.11_20210308	Total Recoverable	Water	3005A	
580-101670-5	MW-4_24.01_20210308	Total Recoverable	Water	3005A	
580-101670-6	MW-5_26.06_20210308	Total Recoverable	Water	3005A	
580-101670-7	MW-6_13.52_20210308	Total Recoverable	Water	3005A	
580-101670-8	MW-9_23.00_20210308	Total Recoverable	Water	3005A	
580-101670-9	MW-11_24.40_20210308	Total Recoverable	Water	3005A	
580-101670-10	MW-12_25.32_20210308	Total Recoverable	Water	3005A	
580-101670-11	DUP-1_20210308	Total Recoverable	Water	3005A	
MB 580-351956/22-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-351956/23-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-351956/24-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Eurofins TestAmerica, Seattle

QC Association Summary

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

Job ID: 580-101670-1

Metals (Continued)

Prep Batch: 351956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-10 MS	MW-12_25.32_20210308	Total Recoverable	Water	3005A	
580-101670-10 MSD	MW-12_25.32_20210308	Total Recoverable	Water	3005A	
580-101670-10 DU	MW-12_25.32_20210308	Total Recoverable	Water	3005A	

Analysis Batch: 352100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Total Recoverable	Water	6020B	351956
580-101670-2	MW-1_25.27_20210308	Total Recoverable	Water	6020B	351956
580-101670-3	MW-2_24.32_20210308	Total Recoverable	Water	6020B	351956
580-101670-4	MW-3_23.11_20210308	Total Recoverable	Water	6020B	351956
580-101670-5	MW-4_24.01_20210308	Total Recoverable	Water	6020B	351956
580-101670-6	MW-5_26.06_20210308	Total Recoverable	Water	6020B	351956
580-101670-7	MW-6_13.52_20210308	Total Recoverable	Water	6020B	351956
580-101670-8	MW-9_23.00_20210308	Total Recoverable	Water	6020B	351956
580-101670-9	MW-11_24.40_20210308	Total Recoverable	Water	6020B	351956
580-101670-10	MW-12_25.32_20210308	Total Recoverable	Water	6020B	351956
580-101670-11	DUP-1__20210308	Total Recoverable	Water	6020B	351956
MB 580-351956/22-A	Method Blank	Total Recoverable	Water	6020B	351956
LCS 580-351956/23-A	Lab Control Sample	Total Recoverable	Water	6020B	351956
LCSD 580-351956/24-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	351956
580-101670-10 MS	MW-12_25.32_20210308	Total Recoverable	Water	6020B	351956
580-101670-10 MSD	MW-12_25.32_20210308	Total Recoverable	Water	6020B	351956
580-101670-10 DU	MW-12_25.32_20210308	Total Recoverable	Water	6020B	351956

Filtration Batch: 352481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Dissolved	Water	FILTRATION	
580-101670-2	MW-1_25.27_20210308	Dissolved	Water	FILTRATION	
580-101670-3	MW-2_24.32_20210308	Dissolved	Water	FILTRATION	
580-101670-4	MW-3_23.11_20210308	Dissolved	Water	FILTRATION	
580-101670-5	MW-4_24.01_20210308	Dissolved	Water	FILTRATION	
580-101670-6	MW-5_26.06_20210308	Dissolved	Water	FILTRATION	
580-101670-7	MW-6_13.52_20210308	Dissolved	Water	FILTRATION	
580-101670-8	MW-9_23.00_20210308	Dissolved	Water	FILTRATION	
580-101670-9	MW-11_24.40_20210308	Dissolved	Water	FILTRATION	
580-101670-10	MW-12_25.32_20210308	Dissolved	Water	FILTRATION	
580-101670-11	DUP-1__20210308	Dissolved	Water	FILTRATION	
MB 580-352481/26-C	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-352481/27-C	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-352481/28-C	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
580-101670-10 MS	MW-12_25.32_20210308	Dissolved	Water	FILTRATION	
580-101670-10 MSD	MW-12_25.32_20210308	Dissolved	Water	FILTRATION	
580-101670-10 DU	MW-12_25.32_20210308	Dissolved	Water	FILTRATION	

Prep Batch: 352500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Dissolved	Water	3005A	352481
580-101670-2	MW-1_25.27_20210308	Dissolved	Water	3005A	352481
580-101670-3	MW-2_24.32_20210308	Dissolved	Water	3005A	352481
580-101670-4	MW-3_23.11_20210308	Dissolved	Water	3005A	352481
580-101670-5	MW-4_24.01_20210308	Dissolved	Water	3005A	352481

Eurofins TestAmerica, Seattle

QC Association Summary

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

Job ID: 580-101670-1

Metals (Continued)

Prep Batch: 352500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-6	MW-5_26.06_20210308	Dissolved	Water	3005A	352481
580-101670-7	MW-6_13.52_20210308	Dissolved	Water	3005A	352481
580-101670-8	MW-9_23.00_20210308	Dissolved	Water	3005A	352481
580-101670-9	MW-11_24.40_20210308	Dissolved	Water	3005A	352481
580-101670-10	MW-12_25.32_20210308	Dissolved	Water	3005A	352481
580-101670-11	DUP-1_20210308	Dissolved	Water	3005A	352481
MB 580-352481/26-C	Method Blank	Dissolved	Water	3005A	352481
LCS 580-352481/27-C	Lab Control Sample	Dissolved	Water	3005A	352481
LCSD 580-352481/28-C	Lab Control Sample Dup	Dissolved	Water	3005A	352481
580-101670-10 MS	MW-12_25.32_20210308	Dissolved	Water	3005A	352481
580-101670-10 MSD	MW-12_25.32_20210308	Dissolved	Water	3005A	352481
580-101670-10 DU	MW-12_25.32_20210308	Dissolved	Water	3005A	352481

Analysis Batch: 352681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-101670-1	GWM-1_23.35_20210308	Dissolved	Water	6020B	352500
580-101670-2	MW-1_25.27_20210308	Dissolved	Water	6020B	352500
580-101670-3	MW-2_24.32_20210308	Dissolved	Water	6020B	352500
580-101670-4	MW-3_23.11_20210308	Dissolved	Water	6020B	352500
580-101670-5	MW-4_24.01_20210308	Dissolved	Water	6020B	352500
580-101670-6	MW-5_26.06_20210308	Dissolved	Water	6020B	352500
580-101670-7	MW-6_13.52_20210308	Dissolved	Water	6020B	352500
580-101670-8	MW-9_23.00_20210308	Dissolved	Water	6020B	352500
580-101670-9	MW-11_24.40_20210308	Dissolved	Water	6020B	352500
580-101670-10	MW-12_25.32_20210308	Dissolved	Water	6020B	352500
580-101670-11	DUP-1_20210308	Dissolved	Water	6020B	352500
MB 580-352481/26-C	Method Blank	Dissolved	Water	6020B	352500
LCS 580-352481/27-C	Lab Control Sample	Dissolved	Water	6020B	352500
LCSD 580-352481/28-C	Lab Control Sample Dup	Dissolved	Water	6020B	352500
580-101670-10 MS	MW-12_25.32_20210308	Dissolved	Water	6020B	352500
580-101670-10 MSD	MW-12_25.32_20210308	Dissolved	Water	6020B	352500
580-101670-10 DU	MW-12_25.32_20210308	Dissolved	Water	6020B	352500

Lab Chronicle

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

Job ID: 580-101670-1

Client Sample ID: GWM-1_23.35_20210308

Lab Sample ID: 580-101670-1

Date Collected: 03/08/21 17:30

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351900	03/12/21 20:00	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 18:21	JSM	TAL SEA
Total/NA	Prep	3510C			351862	03/12/21 11:07	RJL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352027	03/16/21 00:15	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:47	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 06:53	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:04	FCW	TAL SEA

Client Sample ID: MW-1_25.27_20210308

Lab Sample ID: 580-101670-2

Date Collected: 03/08/21 15:20

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351900	03/12/21 20:25	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 18:46	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352202	03/17/21 07:51	W1T	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:47	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 06:57	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:08	FCW	TAL SEA

Client Sample ID: MW-2_24.32_20210308

Lab Sample ID: 580-101670-3

Date Collected: 03/08/21 12:10

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351900	03/12/21 20:51	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 19:11	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352202	03/17/21 08:11	W1T	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:47	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 07:01	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:12	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-101670-1

Client Sample ID: MW-3_23.11_20210308

Lab Sample ID: 580-101670-4

Date Collected: 03/08/21 11:35

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351900	03/12/21 21:16	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 20:00	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352202	03/17/21 08:32	W1T	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:48	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 07:05	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:15	FCW	TAL SEA

Client Sample ID: MW-4_24.01_20210308

Lab Sample ID: 580-101670-5

Date Collected: 03/08/21 13:25

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351900	03/12/21 21:41	JSM	TAL SEA
Total/NA	Analysis	8260D	DL	10	352179	03/16/21 01:34	CJ	TAL SEA
Total/NA	Analysis	8260D	DL2	50	352327	03/17/21 20:37	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 20:24	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352202	03/17/21 08:52	W1T	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:48	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 07:09	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:19	FCW	TAL SEA

Client Sample ID: MW-5_26.06_20210308

Lab Sample ID: 580-101670-6

Date Collected: 03/08/21 14:25

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351900	03/12/21 22:06	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 20:49	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352202	03/17/21 09:12	W1T	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:48	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 07:13	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:23	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-101670-1

Client Sample ID: MW-6_13.52_20210308

Lab Sample ID: 580-101670-7

Date Collected: 03/08/21 10:50

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351900	03/12/21 22:31	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 21:13	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352202	03/17/21 09:32	W1T	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:48	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 07:17	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:27	FCW	TAL SEA

Client Sample ID: MW-9_23.00_20210308

Lab Sample ID: 580-101670-8

Date Collected: 03/08/21 18:10

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351914	03/13/21 05:12	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 21:38	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352202	03/17/21 09:52	W1T	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:48	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 07:21	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:31	FCW	TAL SEA

Client Sample ID: MW-11_24.40_20210308

Lab Sample ID: 580-101670-9

Date Collected: 03/08/21 16:00

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351914	03/13/21 05:37	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 22:03	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352202	03/17/21 10:12	W1T	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:48	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 07:25	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 19:35	FCW	TAL SEA

Lab Chronicle

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

Job ID: 580-101670-1

Client Sample ID: MW-12_25.32_20210308

Lab Sample ID: 580-101670-10

Date Collected: 03/08/21 16:45

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351914	03/13/21 06:01	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	351856	03/11/21 17:08	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352697	03/23/21 20:29	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:47	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 06:10	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 18:21	FCW	TAL SEA

Client Sample ID: DUP-1_20210308

Lab Sample ID: 580-101670-11

Date Collected: 03/08/21 06:00

Matrix: Water

Date Received: 03/10/21 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	351939	03/13/21 18:37	JSM	TAL SEA
Total/NA	Analysis	8260D	RA	1	352327	03/17/21 21:04	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	352152	03/15/21 12:21	JSM	TAL SEA
Total/NA	Prep	3510C			352013	03/15/21 11:27	JBT	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	352497	03/21/21 06:33	TL1	TAL SEA
Dissolved	Filtration	FILTRATION			352481	03/20/21 10:53	JCP	TAL SEA
Dissolved	Prep	3005A			352500	03/21/21 13:48	C1H	TAL SEA
Dissolved	Analysis	6020B		5	352681	03/23/21 07:45	TMH	TAL SEA
Total Recoverable	Prep	3005A			351956	03/13/21 11:33	JCP	TAL SEA
Total Recoverable	Analysis	6020B		5	352100	03/15/21 18:17	FCW	TAL SEA

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 580-101670-1

Laboratory: Eurofins TestAmerica, Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C553	02-17-22

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

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,3-Butadiene
8260D		Water	Hexane

Method Summary

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

Job ID: 580-101670-1

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

Protocol References:

None = None

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

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

Sample Summary

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

Job ID: 580-101670-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-101670-1	GWM-1_23.35_20210308	Water	03/08/21 17:30	03/10/21 10:40	
580-101670-2	MW-1_25.27_20210308	Water	03/08/21 15:20	03/10/21 10:40	
580-101670-3	MW-2_24.32_20210308	Water	03/08/21 12:10	03/10/21 10:40	
580-101670-4	MW-3_23.11_20210308	Water	03/08/21 11:35	03/10/21 10:40	
580-101670-5	MW-4_24.01_20210308	Water	03/08/21 13:25	03/10/21 10:40	
580-101670-6	MW-5_26.06_20210308	Water	03/08/21 14:25	03/10/21 10:40	
580-101670-7	MW-6_13.52_20210308	Water	03/08/21 10:50	03/10/21 10:40	
580-101670-8	MW-9_23.00_20210308	Water	03/08/21 18:10	03/10/21 10:40	
580-101670-9	MW-11_24.40_20210308	Water	03/08/21 16:00	03/10/21 10:40	
580-101670-10	MW-12_25.32_20210308	Water	03/08/21 16:45	03/10/21 10:40	
580-101670-11	DUP-1__20210308	Water	03/08/21 06:00	03/10/21 10:40	



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

Page 1 of 2

BP Site Node Path: Former BP 11060

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

Rush TAT Yes No X

BP/RM Facility No: Former BP Facility No. 11060

Lab Work Order Number:

101670

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:												
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 Acct:	Enfos Proposal No:	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 2_Select (20) Activity Additional Data Collection (100)	Invoice To: BP-RM 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	Comments	
	GWM-1_23.35_20210308	3/8/2021	1730	W				G			X	X	X	
	MW-1_25.27_20210308	3/8/2021	1520	W				G			X	X	X	
	MW-2_24.32_20210308	3/8/2021	1210	W				G			X	X	X	
	MW-3_23.11_20210308	3/8/2021	1135	W				G			X	X	X	
	MW-4_24.01_20210308	3/8/2021	1325	W				G			X	X	X	
	MW-5_26.06_20210308	3/8/2021	1425	W				G			X	X	X	
	MW-6_13.52_20210308	3/8/2021	1050	W				G			X	X	X	
Sampler's Name: JL	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time								
Sampler's Company: Antea Group	John J. Antea	3/10/21	1040	John J. EPA SEA	3/10/21	1040								
Ship Method:	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														



580-101670 Chain of Custody



Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 2 of 2

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

Req Due Date (mm/dd/yy): Standard TAT
Lab Work Order Number: 101670

Rush TAT Yes ☐ No ☒

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:																
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 Acct:				Enfos Proposal No:				Phone: 425-498-7711 Email: Megan.Richard@anteagroup.us																
Lab Bottle Order No:				Accounting Mode: Provision ☒ OOC-BU ☐ OOC-RM ☐				Send/Submit EDD to: Megan.Richard@anteagroup.us																
Other Info: M.Elaine.Walker@Eurofinset.com				Stage 2_Select (20) Activity Additional Data Collection (100)				Invoice To: BP-RM ☐ BP/ARC ☒																
BP/RM PM: Wade Melton				Sample Details				Requested Analyses				Report Type & QC Level												
PM Phone: 360--594-7978												Limited (Standard) Package ☐												
PM Email: wade.melton@bp.com												Limited Plus Package ☐												
												Full Package ☐												
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	EDB by EPA 8011	EDC by EPA 8260	Select VOCs by EPA 8260	Comments				
	MW-9_23.00_20210308	3/8/2021	1810	W				G			X	X	X	X	X	X		X	X					
	MW-11_24.40_20210308	3/8/2021	1600	W				G			X	X	X	X	X	X		X	X					
	MW-12_25.32_20210308	3/8/2021	1645	W				G			X	X	X	X	X	X		X	X					
	DUP-1_20210308	3/8/2021	0600	W				G			X	X	X	X	X	X		X	X					
	Trip-Blank_	3/8/2021		W				G			X	X	X	X	X	X		X	X					
											X	X	X	X	X	X		X	X					
											X	X	X	X	X	X		X	X					
Sampler's Name: JL				Relinquished By / Affiliation				Date		Time		Accepted By / Affiliation				Date		Time						
Sampler's Company: Antea Group				<i>John J. Antea</i>				3/10/21		1040		<i>John J. Antea</i> EPA SEA				3/10/21		1040						
Ship Method:				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

Therm. ID: A2 Cor: 0.7 ° Unc: 1.1 °
Cooler Dsc: 1.0 FedEx: _____
Packing: PSX UPS: _____
Cust. Seal: Yes X No _____ Lab Cour: X
Blue Ice: (Wet) Dry, None Other: _____

Therm. ID: TR8 Cor: 2.5 ° Unc: 2.9 °
Cooler Dsc: LS FedEx: _____
Packing: PSX UPS: _____
Cust. Seal: Yes X No _____ Lab Cour: X
Blue Ice: (Wet) Dry, None Other: _____

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-101670-1

Login Number: 101670

List Source: Eurofins TestAmerica, Seattle

List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (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 TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 351900 Batch Start Date: 03/12/21 13:19 Batch Analyst: McKell, Justin SBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00002	VOAMasterMix 00063	
LCS 580-351900/4		8260D		5 mL	5 mL		1 uL	10 uL	
LCSD 580-351900/5		8260D		5 mL	5 mL		1 uL	10 uL	
MB 580-351900/7		8260D		5 mL	5 mL		1 uL		
580-101670-B-1	GWM-1_23.35_2021 0308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-2	MW-1_25.27_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-3	MW-2_24.32_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-4	MW-3_23.11_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-5	MW-4_24.01_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-6	MW-5_26.06_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-7	MW-6_13.52_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 351914 Batch Start Date: 03/13/21 01:01 Batch Analyst: McKell, Justin SBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00002	VOAMasterMix 00063	
LCS 580-351914/4		8260D		5 mL	5 mL		1 uL	10 uL	
LCSD 580-351914/5		8260D		5 mL	5 mL		1 uL	10 uL	
MB 580-351914/7		8260D		5 mL	5 mL		1 uL		
580-101670-B-8	MW-9_23.00_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-9	MW-11_24.40_2021 0308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-10	MW-12_25.32_2021 0308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-10 MS	MW-12_25.32_2021 0308	8260D	T	5 mL	5 mL	<2 SU	1 uL	8.6 uL	
580-101670-B-10 MSD	MW-12_25.32_2021 0308	8260D	T	5 mL	5 mL	<2 SU	1 uL	8.6 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

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 351939 Batch Start Date: 03/13/21 13:10 Batch Analyst: McKell, Justin SBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00002	VOAMasterMix 00063	
LCS 580-351939/4		8260D		5 mL	5 mL		1 uL	10 uL	
LCSD 580-351939/5		8260D		5 mL	5 mL		1 uL	10 uL	
MB 580-351939/7		8260D		5 mL	5 mL		1 uL		
580-101670-D-11	DUP-1__20210308	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352179 Batch Start Date: 03/15/21 14:45 Batch Analyst: Jantanu, CharinpornBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00065	
MB 580-352179/5		8260D		5 mL	5 mL		1 uL		
LCS 580-352179/6		8260D		5 mL	5 mL		1 uL	8.6 uL	
LCSD 580-352179/7		8260D		5 mL	5 mL		1 uL	8.6 uL	
580-101670-C-5	MW-4_24.01_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352327 Batch Start Date: 03/17/21 10:12 Batch Analyst: McKell, Justin SBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00065	
MB 580-352327/5		8260D		5 mL	5 mL		1 uL		
LCS 580-352327/6		8260D		5 mL	5 mL		1 uL	8.6 uL	
LCSD 580-352327/7		8260D		5 mL	5 mL		1 uL	8.6 uL	
580-101670-D-5	MW-4_24.01_20210 308	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-B-11	DUP-1__20210308	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260D

Page 1 of 1

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 351856 Batch Start Date: 03/11/21 14:40 Batch Analyst: McKell, Justin SBatch Method: NWTPH-Gx Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	BFBGRO ARCHON 00045	GRO_LCS 00065	
MB 580-351856/4		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-351856/5		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-351856/6		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-101670-A-10	MW-12_25.32_2021 0308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-10 MS	MW-12_25.32_2021 0308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL	21.5 uL	
580-101670-A-10 MSD	MW-12_25.32_2021 0308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL	21.5 uL	
580-101670-A-1	GWM-1_23.35_2021 0308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-2	MW-1_25.27_20210 308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-3	MW-2_24.32_20210 308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-4	MW-3_23.11_20210 308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-5	MW-4_24.01_20210 308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-6	MW-5_26.06_20210 308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-7	MW-6_13.52_20210 308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-8	MW-9_23.00_20210 308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-101670-A-9	MW-11_24.40_2021 0308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

NWTPH-Gx

Page 1 of 1

GC VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352152 Batch Start Date: 03/15/21 09:54 Batch Analyst: McKell, Justin SBatch Method: NWTPH-Gx Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	BFBGRO ARCHON 00045	GRO_LCS 00065	
MB 580-352152/4		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-352152/5		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
LCSD 580-352152/6		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	
580-101670-A-11	DUP-1__20210308	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

NWTPH-Gx

Page 1 of 1

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 351862 Batch Start Date: 03/12/21 11:06 Batch Analyst: Laplace, Richard JBatch Method: 3510C Batch End Date: 03/12/21 18:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-351862/1		3510C, NWTPH-Dx				250 mL	1.0 mL	7.0 SU	2.0 SU
LCS 580-351862/2		3510C, NWTPH-Dx				250 mL	1.0 mL	7.0 SU	2.0 SU
LCSD 580-351862/3		3510C, NWTPH-Dx				250 mL	1.0 mL	7.0 SU	2.0 SU
580-101670-G-1	GWM-1_23.35_2021 0308	3510C, NWTPH-Dx	T	00405.92 g	00169.07 g	236.9 mL	1.0 mL	2.0 SU	2.0 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00027	TPH_WaterSurr 00063			
MB 580-351862/1		3510C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-351862/2		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-351862/3		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
580-101670-G-1	GWM-1_23.35_2021 0308	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 TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 351862 Batch Start Date: 03/12/21 11:06 Batch Analyst: Laplace, Richard JBatch Method: 3510C Batch End Date: 03/12/21 18:38

Batch Notes	
Acid Used for pH Adjustment ID	2815018
Balance ID	sea 225
Batch Comment	viald by JBT
Analyst ID - Concentration	RJL
Concentration 1 Corrected Temperature	69.7-74.7 Degrees C
Concentration 2 Corrected Temperature	19.6 Degrees C
Analyst ID - Clean Up	JBT
Equipment ID - Concentration 1	steambath 2
Equipment ID - Concentration 2	turbovap 5
Analyst ID - Extraction	RJL/JBT
Filter ID	2815023
Method/Fraction	3510C_LVI/TPH
Na2SO4 ID	2814997
pH Indicator ID	6003004
Pipette/Syringe/Dispenser ID	mp4
Prep Solvent ID	2812115
Prep Solvent Volume Used	100 mL
Silica Gel ID	2787666
Analyst ID - Spike Analyst	RJL
Analyst ID - Spike Witness Analyst	JBT
Sufficient Volume for Batch QC	yes
Thermometer ID - Concentration 1	661200
Thermometer ID - Concentration 2	digital readout
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	24162054
Reagent Water ID	di

Basis	Basis Description
T	Total/NA

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

NWTPH-Dx

Page 2 of 2

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352013Batch Start Date: 03/15/21 11:27Batch Analyst: Tucker, Jonathon BBatch Method: 3510CBatch End Date: 03/15/21 18:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-352013/1		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCS 580-352013/2		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCSD 580-352013/3		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
580-101670-H-2	MW-1_25.27_20210 308	3510C, NWTPH-Dx	T	00412.20 g	00168.56 g	243.6 mL	1 mL	2 SU	n/a SU
580-101670-G-3	MW-2_24.32_20210 308	3510C, NWTPH-Dx	T	00403.52 g	00168.64 g	234.9 mL	1 mL	2 SU	n/a SU
580-101670-G-4	MW-3_23.11_20210 308	3510C, NWTPH-Dx	T	00409.92 g	00168.45 g	241.5 mL	1 mL	2 SU	n/a SU
580-101670-G-5	MW-4_24.01_20210 308	3510C, NWTPH-Dx	T	00403.98 g	00169.22 g	234.8 mL	1 mL	2 SU	n/a SU
580-101670-H-6	MW-5_26.06_20210 308	3510C, NWTPH-Dx	T	00412.72 g	00169.30 g	243.4 mL	1 mL	2 SU	n/a SU
580-101670-G-7	MW-6_13.52_20210 308	3510C, NWTPH-Dx	T	00411.06 g	00169.46 g	241.6 mL	1 mL	2 SU	n/a SU
580-101670-H-8	MW-9_23.00_20210 308	3510C, NWTPH-Dx	T	00407.28 g	00168.85 g	238.4 mL	1 mL	2 SU	n/a SU
580-101670-H-9	MW-11_24.40_2021 0308	3510C, NWTPH-Dx	T	00403.49 g	00168.67 g	234.8 mL	1 mL	2 SU	n/a SU
580-101670-G-10	MW-12_25.32_2021 0308	3510C, NWTPH-Dx	T	00410.39 g	00168.37 g	242 mL	1 mL	2 SU	n/a SU
580-101670-H-10 MS	MW-12_25.32_2021 0308	3510C, NWTPH-Dx	T	00406.85 g	00168.68 g	238.2 mL	1 mL	2 SU	n/a SU
580-101670-H-10 MSD	MW-12_25.32_2021 0308	3510C, NWTPH-Dx	T	00408.56 g	00168.58 g	240 mL	1 mL	2 SU	n/a SU
580-101670-I-11	DUP-1__20210308	3510C, NWTPH-Dx	T	00406.32 g	00168.98 g	237.3 mL	1 mL	2 SU	n/a SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00027	TPH_WaterSurr 00063			
MB 580-352013/1		3510C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-352013/2		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-352013/3		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
580-101670-H-2	MW-1_25.27_20210 308	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 3

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352013 Batch Start Date: 03/15/21 11:27 Batch Analyst: Tucker, Jonathon BBatch Method: 3510C Batch End Date: 03/15/21 18:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00027	TPH_WaterSurr 00063			
580-101670-G-3	MW-2_24.32_20210 308	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-101670-G-4	MW-3_23.11_20210 308	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-101670-G-5	MW-4_24.01_20210 308	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-101670-H-6	MW-5_26.06_20210 308	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-101670-G-7	MW-6_13.52_20210 308	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-101670-H-8	MW-9_23.00_20210 308	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-101670-H-9	MW-11_24.40_2021 0308	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-101670-G-10	MW-12_25.32_2021 0308	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-101670-H-10 MS	MW-12_25.32_2021 0308	3510C, NWTPH-Dx	T	n/a SU	100 uL	100 uL			
580-101670-H-10 MSD	MW-12_25.32_2021 0308	3510C, NWTPH-Dx	T	n/a SU	100 uL	100 uL			
580-101670-I-11	DUP-1__20210308	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 2 of 3

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352013 Batch Start Date: 03/15/21 11:27 Batch Analyst: Tucker, Jonathon BBatch Method: 3510C Batch End Date: 03/15/21 18:30

Batch Notes	
Acid Used for pH Adjustment ID	2815018
Balance ID	sea 225
Batch Comment	viald by JBT
Analyst ID - Concentration	JBT
Concentration 1 Corrected Temperature	69.7-74.7 Degrees C
Concentration 2 Corrected Temperature	19.6 Degrees C
Equipment ID - Concentration 1	steambath 2
Equipment ID - Concentration 2	turbovap 5
Analyst ID - Extraction	JBT
Filter ID	2815023
Method/Fraction	3510C_LVI/TPH
Na2SO4 ID	2814997
pH Indicator ID	6003004
Pipette/Syringe/Dispenser ID	mp4
Prep Solvent ID	2812115
Prep Solvent Volume Used	100 mL
Analyst ID - Spike Analyst	JBT
Analyst ID - Spike Witness Analyst	CH
Sufficient Volume for Batch QC	yes
Thermometer ID - Concentration 1	661200
Thermometer ID - Concentration 2	digital readout
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	24162054
Reagent Water ID	di

Basis	Basis Description
T	Total/NA

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

NWTPH-Dx

Page 3 of 3

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 351956 Batch Start Date: 03/13/21 11:33 Batch Analyst: Pimentel, Joy CBatch Method: 3005A Batch End Date: 03/13/21 16:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00011	ICP CAL 2 00011	MET Spike 3C 00027	
580-101670-J-10	MW-12_25.32_2021 0308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-10 DU	MW-12_25.32_2021 0308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-10 MS	MW-12_25.32_2021 0308	3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-101670-J-10 MSD	MW-12_25.32_2021 0308	3005A, 6020B	R	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-101670-J-1	GWM-1_23.35_2021 0308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-2	MW-1_25.27_20210 308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-3	MW-2_24.32_20210 308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-4	MW-3_23.11_20210 308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-5	MW-4_24.01_20210 308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-6	MW-5_26.06_20210 308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-7	MW-6_13.52_20210 308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-8	MW-9_23.00_20210 308	3005A, 6020B	R	50 mL	50 mL				
580-101670-J-9	MW-11_24.40_2021 0308	3005A, 6020B	R	50 mL	50 mL				
580-101670-L-11	DUP-1__20210308	3005A, 6020B	R	50 mL	50 mL				
MB 580-351956/22		3005A, 6020B		50 mL	50 mL				
LCS 580-351956/23		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-351956/24		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

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 351956 Batch Start Date: 03/13/21 11:33 Batch Analyst: Pimentel, Joy CBatch Method: 3005A Batch End Date: 03/13/21 16:05

Batch Notes	
Temperature - Corrected - End	95 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion End Time	03/13/2021 16:05
Digestion Start Time	03/13/2021 12:05
Digestion Unit ID	block D
Hydrochloric Acid ID	2820401
Nitric Acid ID	2795006
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	see above
Sufficient Volume for Batch QC	yes
Thermometer Location ID	D8
Thermometer ID	700396
Digestion Tube/Cup ID	2340396
Temperature - Uncorrected - End	94.5 Degrees C
Temperature - Uncorrected - Start	94.5 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

Page 2 of 2

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352481 Batch Start Date: 03/20/21 10:53 Batch Analyst: Pimentel, Joy CBatch Method: FILTRATION Batch End Date: 03/20/21 12:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-101670-I-10	MW-12_25.32_2021 0308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-10 MS	MW-12_25.32_2021 0308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-10 MSD	MW-12_25.32_2021 0308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-1	GWM-1_23.35_2021 0308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-2	MW-1_25.27_20210 308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-3	MW-2_24.32_20210 308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-4	MW-3_23.11_20210 308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-5	MW-4_24.01_20210 308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-6	MW-5_26.06_20210 308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-7	MW-6_13.52_20210 308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-8	MW-9_23.00_20210 308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-I-9	MW-11_24.40_2021 0308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-101670-K-11	DUP-1__20210308	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
MB		FILTRATION, 3005A, 6020B		250 mL	250 mL				
580-352481/26		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCS		FILTRATION, 3005A, 6020B		250 mL	250 mL				
580-352481/27		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCSD		FILTRATION, 3005A, 6020B		250 mL	250 mL				
580-352481/28		FILTRATION, 3005A, 6020B		250 mL	250 mL				

Batch Notes

Filter ID	1268754
Nitric Acid ID	2795006

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 TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352500 Batch Start Date: 03/21/21 13:47 Batch Analyst: Hansen, Christopher 1Batch Method: 3005A Batch End Date: 03/21/21 18:21

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00011	ICP CAL 2 00011	MET Spike 3C 00027	
580-101670-I-10-A	MW-12_25.32_2021 0308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-10-A DU	MW-12_25.32_2021 0308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-10-B MS	MW-12_25.32_2021 0308	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-101670-I-10-C MSD	MW-12_25.32_2021 0308	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-101670-I-1-A	GWM-1_23.35_2021 0308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-2-A	MW-1_25.27_20210 308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-3-A	MW-2_24.32_20210 308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-4-A	MW-3_23.11_20210 308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-5-A	MW-4_24.01_20210 308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-6-A	MW-5_26.06_20210 308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-7-A	MW-6_13.52_20210 308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-8-A	MW-9_23.00_20210 308	3005A, 6020B	D	50 mL	50 mL				
580-101670-I-9-A	MW-11_24.40_2021 0308	3005A, 6020B	D	50 mL	50 mL				
580-101670-K-11-A	DUP-1__20210308	3005A, 6020B	D	50 mL	50 mL				
MB 580-352481/26-A		3005A, 6020B		50 mL	50 mL				
LCS 580-352481/27-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-352481/28-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

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-101670-1

SDG No.: _____

Batch Number: 352500 Batch Start Date: 03/21/21 13:47 Batch Analyst: Hansen, Christopher 1Batch Method: 3005A Batch End Date: 03/21/21 18:21

Batch Notes	
Temperature - Corrected - End	94.4 Degrees C
Temperature - Corrected - Start	94.4 Degrees C
Digestion End Time	03/21/2021 18:21
Digestion Start Time	03/21/2021 14:21
Digestion Unit ID	BLOCK A
Hydrochloric Acid ID	2820403
Nitric Acid ID	2795006
Pipette/Syringe/Dispenser ID	METALS PREP 2
Analyst ID - Spike Analyst	SEE ABOVE
Sufficient Volume for Batch QC	YES
Thermometer Location ID	A41
Thermometer ID	1108438
Digestion Tube/Cup ID	2535260
Temperature - Uncorrected - End	95.0 Degrees C
Temperature - Uncorrected - Start	95.0 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

ANALYTICAL REPORT

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

Laboratory Job ID: 580-103729-1
Client Project/Site: BP - ARCO 11060

For:

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

Attn: Megan Richard



Authorized for release by:
6/28/2021 4:53:02 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	7
Surrogate Summary	21
QC Sample Results	24
QC Association Summary	37
Lab Chronicle	42
Certification Summary	46
Method Summary	47
Sample Summary	48
Chain of Custody	49
Receipt Checklists	55
Prep Data	56



Definitions/Glossary

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

Job ID: 580-103729-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

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.
□	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: 580-103729-1

Job ID: 580-103729-1

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative 580-103729-1

Receipt

Ten samples were received on 6/10/2021 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.8° C and 5.4° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The sampling time for sample GWM-1_24.62_20210609 (580-103729-1) is omitted. The sample is logged in per container labels.

GC/MS VOA

Method 8260D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-359366 recovered outside control limits for the following analyte: Tetrachloroethene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 580-359666 recovered outside control limits for the following analytes: Tetrachloroethene and Trichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) was outside control limits for Vinyl chloride was outside control limits in analytical batch 580-359870. The associated samples are ND.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 580-359941 recovered outside control limits for the following analyte: Vinyl chloride.: 1,3-Butadiene exceeded the %RPD limit.. The LCS recoveries met acceptance limits. All samples are ND

Method 8260D: Vinyl chloride recovered high in the CCV and LCS for analytical batch 580-360086. It is within limits for the MS and MSD. All samples are ND for this analyte and have been reported. MW-4_25.28_20210609 (580-103729-5), MW-6_24.83_20210609 (580-103729-6), MW-9_23.02_20210609 (580-103729-7), (CCVIS 580-360086/3), and (LCS 580-360086/4).

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

GC/MS Semi VOA

Method 8270E SIM: Due to sample matrix interference on the internal standard, Acenaphthene-d10, the following sample was diluted to bring the concentration of target analytes within the calibration range: MW-4_25.28_20210609 (580-103729-5). Elevated reporting limits (RLs) are provided.

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 for the following sample was outside control limits: MW-11_25.12_20210609 (580-103729-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH-Dx: The peak profile present in this sample MW-1_25.76_20210609 (580-103729-2) is atypical of a hydrocarbon pattern and consists of discrete peaks.

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

Metals

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

Detection Summary

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

Job ID: 580-103729-1

Client Sample ID: GWM-1_24.62_20210609

Lab Sample ID: 580-103729-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	2200		250	100	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	420		120	68	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-1_25.76_20210609

Lab Sample ID: 580-103729-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	510		110	66	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-2_25.45_20210609

Lab Sample ID: 580-103729-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.3		1.0	0.24	ug/L	1		8260D	Total/NA
Gasoline	410		250	100	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	1200		110	66	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-3_24.63_20210609

Lab Sample ID: 580-103729-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	120		110	66	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-4_25.28_20210609

Lab Sample ID: 580-103729-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Butadiene	5.4		1.0	0.49	ug/L	1		8260D	Total/NA
Benzene	85		1.0	0.24	ug/L	1		8260D	Total/NA
Ethylbenzene	130		1.0	0.50	ug/L	1		8260D	Total/NA
Hexane	53		3.0	0.69	ug/L	1		8260D	Total/NA
Toluene	120		1.0	0.39	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene - DL	1100		20	5.3	ug/L	10		8260D	Total/NA
o-Xylene - DL	700		10	3.9	ug/L	10		8260D	Total/NA
Xylenes, Total - DL	1800		20	5.3	ug/L	10		8260D	Total/NA
1-Methylnaphthalene	16		0.10	0.019	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.34		0.10	0.031	ug/L	1		8270E SIM	Total/NA
Pyrene	0.23		0.10	0.034	ug/L	1		8270E SIM	Total/NA
Benzo[b]fluoranthene	0.061		0.051	0.011	ug/L	1		8270E SIM	Total/NA
Benzo[g,h,i]perylene	0.076		0.051	0.012	ug/L	1		8270E SIM	Total/NA
Naphthalene - DL	76		5.1	1.6	ug/L	50		8270E SIM	Total/NA
2-Methylnaphthalene - DL	28		10	2.0	ug/L	50		8270E SIM	Total/NA
Gasoline	15000		250	100	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	13000		110	66	ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	2000		360	98	ug/L	1		NWTPH-Dx	Total/NA
Lead	82		2.0	0.20	ug/L	5		6020B	Total
Lead	29		2.0	0.20	ug/L	5		6020B	Recoverable Dissolved

Client Sample ID: MW-6_24.83_20210609

Lab Sample ID: 580-103729-6

No Detections.

Client Sample ID: MW-9_23.02_20210609

Lab Sample ID: 580-103729-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	210		110	67	ug/L	1		NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins FGS, Seattle

Detection Summary

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

Job ID: 580-103729-1

Client Sample ID: MW-11_25.12_20210609

Lab Sample ID: 580-103729-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
#2 Diesel (C10-C24)	390		110	66	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-12_26.11_20210609

Lab Sample ID: 580-103729-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2.2		1.0	0.50	ug/L	1		8260D	Total/NA
Naphthalene	1.6		0.10	0.031	ug/L	1		8270E SIM	Total/NA
2-Methylnaphthalene	0.59		0.20	0.039	ug/L	1		8270E SIM	Total/NA
1-Methylnaphthalene	0.44		0.10	0.019	ug/L	1		8270E SIM	Total/NA
Gasoline	530		250	100	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	3000		110	66	ug/L	1		NWTPH-Dx	Total/NA
Motor Oil (>C24-C36)	390		360	98	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: Trip Blank_20210609

Lab Sample ID: 580-103729-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: GWM-1_24.62_20210609

Lab Sample ID: 580-103729-1

Date Collected: 06/09/21 15:10

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/18/21 20:08	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/18/21 20:08	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/18/21 20:08	1
Benzene	ND		1.0	0.24	ug/L			06/18/21 20:08	1
Chloroform	ND		1.0	0.26	ug/L			06/18/21 20:08	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/18/21 20:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/18/21 20:08	1
Hexane	ND		3.0	0.69	ug/L			06/18/21 20:08	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/18/21 20:08	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/18/21 20:08	1
o-Xylene	ND		1.0	0.39	ug/L			06/18/21 20:08	1
Tetrachloroethene	ND	+	1.0	0.41	ug/L			06/18/21 20:08	1
Toluene	ND		1.0	0.39	ug/L			06/18/21 20:08	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/18/21 20:08	1
Trichloroethene	ND	+	1.0	0.26	ug/L			06/18/21 20:08	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/18/21 20:08	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/18/21 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 126		06/18/21 20:08	1
4-Bromofluorobenzene (Surr)	118		80 - 120		06/18/21 20:08	1
Dibromofluoromethane (Surr)	96		80 - 120		06/18/21 20:08	1
Toluene-d8 (Surr)	113		80 - 120		06/18/21 20:08	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10	0.032	ug/L		06/14/21 09:51	06/17/21 20:04	1
2-Methylnaphthalene	ND		0.20	0.040	ug/L		06/14/21 09:51	06/17/21 20:04	1
1-Methylnaphthalene	ND		0.10	0.019	ug/L		06/14/21 09:51	06/17/21 20:04	1
Acenaphthylene	ND		0.051	0.0092	ug/L		06/14/21 09:51	06/17/21 20:04	1
Acenaphthene	ND		0.10	0.014	ug/L		06/14/21 09:51	06/17/21 20:04	1
Fluorene	ND		0.10	0.017	ug/L		06/14/21 09:51	06/17/21 20:04	1
Phenanthrene	ND		0.10	0.032	ug/L		06/14/21 09:51	06/17/21 20:04	1
Anthracene	ND		0.10	0.022	ug/L		06/14/21 09:51	06/17/21 20:04	1
Fluoranthene	ND		0.20	0.018	ug/L		06/14/21 09:51	06/17/21 20:04	1
Pyrene	ND		0.10	0.034	ug/L		06/14/21 09:51	06/17/21 20:04	1
Benzo[a]anthracene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 20:04	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 20:04	1
Benzo[b]fluoranthene	ND		0.051	0.011	ug/L		06/14/21 09:51	06/17/21 20:04	1
Benzo[k]fluoranthene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 20:04	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 20:04	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 20:04	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 20:04	1
Benzo[g,h,i]perylene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	51		29 - 150	06/14/21 09:51	06/17/21 20:04	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: GWM-1_24.62_20210609

Lab Sample ID: 580-103729-1

Date Collected: 06/09/21 15:10

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	2200		250	100	ug/L			06/20/21 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	197	S1+	50 - 150		06/20/21 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	420		120	68	ug/L		06/16/21 09:13	06/16/21 23:22	1
Motor Oil (>C24-C36)	ND		370	100	ug/L		06/16/21 09:13	06/16/21 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	67		50 - 150	06/16/21 09:13	06/16/21 23:22	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		06/17/21 08:30	06/19/21 20:27	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		06/12/21 09:10	06/19/21 08:08	5

Client Sample ID: MW-1_25.76_20210609

Lab Sample ID: 580-103729-2

Date Collected: 06/09/21 11:50

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/18/21 20:33	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/18/21 20:33	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/18/21 20:33	1
Benzene	ND		1.0	0.24	ug/L			06/18/21 20:33	1
Chloroform	ND		1.0	0.26	ug/L			06/18/21 20:33	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/18/21 20:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/18/21 20:33	1
Hexane	ND		3.0	0.69	ug/L			06/18/21 20:33	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/18/21 20:33	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/18/21 20:33	1
o-Xylene	ND		1.0	0.39	ug/L			06/18/21 20:33	1
Tetrachloroethene	ND	+	1.0	0.41	ug/L			06/18/21 20:33	1
Toluene	ND		1.0	0.39	ug/L			06/18/21 20:33	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/18/21 20:33	1
Trichloroethene	ND	+	1.0	0.26	ug/L			06/18/21 20:33	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/18/21 20:33	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/18/21 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 126		06/18/21 20:33	1
4-Bromofluorobenzene (Surr)	105		80 - 120		06/18/21 20:33	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/21 20:33	1
Toluene-d8 (Surr)	107		80 - 120		06/18/21 20:33	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-1_25.76_20210609

Lab Sample ID: 580-103729-2

Date Collected: 06/09/21 11:50

Matrix: Water

Date Received: 06/10/21 12:00

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 20:26	1
2-Methylnaphthalene	ND		0.20	0.040	ug/L		06/14/21 09:51	06/17/21 20:26	1
1-Methylnaphthalene	ND		0.10	0.019	ug/L		06/14/21 09:51	06/17/21 20:26	1
Acenaphthylene	ND		0.051	0.0091	ug/L		06/14/21 09:51	06/17/21 20:26	1
Acenaphthene	ND		0.10	0.014	ug/L		06/14/21 09:51	06/17/21 20:26	1
Fluorene	ND		0.10	0.017	ug/L		06/14/21 09:51	06/17/21 20:26	1
Phenanthrene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 20:26	1
Anthracene	ND		0.10	0.022	ug/L		06/14/21 09:51	06/17/21 20:26	1
Fluoranthene	ND		0.20	0.018	ug/L		06/14/21 09:51	06/17/21 20:26	1
Pyrene	ND		0.10	0.033	ug/L		06/14/21 09:51	06/17/21 20:26	1
Benzo[a]anthracene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 20:26	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 20:26	1
Benzo[b]fluoranthene	ND		0.051	0.011	ug/L		06/14/21 09:51	06/17/21 20:26	1
Benzo[k]fluoranthene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 20:26	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 20:26	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 20:26	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 20:26	1
Benzo[g,h,i]perylene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	66		29 - 150	06/14/21 09:51	06/17/21 20:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			06/20/21 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		50 - 150		06/20/21 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	510		110	66	ug/L		06/16/21 09:13	06/16/21 23:42	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		06/16/21 09:13	06/16/21 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	57		50 - 150	06/16/21 09:13	06/16/21 23:42	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		06/17/21 08:30	06/19/21 20:31	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		06/12/21 09:10	06/19/21 08:12	5

Client Sample ID: MW-2_25.45_20210609

Lab Sample ID: 580-103729-3

Date Collected: 06/09/21 09:15

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/18/21 20:59	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-2_25.45_20210609

Lab Sample ID: 580-103729-3

Date Collected: 06/09/21 09:15

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/18/21 20:59	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/18/21 20:59	1
Benzene	1.3		1.0	0.24	ug/L			06/18/21 20:59	1
Chloroform	ND		1.0	0.26	ug/L			06/18/21 20:59	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/18/21 20:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/18/21 20:59	1
Hexane	ND		3.0	0.69	ug/L			06/18/21 20:59	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/18/21 20:59	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/18/21 20:59	1
o-Xylene	ND		1.0	0.39	ug/L			06/18/21 20:59	1
Tetrachloroethene	ND	+	1.0	0.41	ug/L			06/18/21 20:59	1
Toluene	ND		1.0	0.39	ug/L			06/18/21 20:59	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/18/21 20:59	1
Trichloroethene	ND	+	1.0	0.26	ug/L			06/18/21 20:59	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/18/21 20:59	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/18/21 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 126		06/18/21 20:59	1
4-Bromofluorobenzene (Surr)	108		80 - 120		06/18/21 20:59	1
Dibromofluoromethane (Surr)	100		80 - 120		06/18/21 20:59	1
Toluene-d8 (Surr)	107		80 - 120		06/18/21 20:59	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 20:49	1
2-Methylnaphthalene	ND		0.20	0.039	ug/L		06/14/21 09:51	06/17/21 20:49	1
1-Methylnaphthalene	ND		0.10	0.019	ug/L		06/14/21 09:51	06/17/21 20:49	1
Acenaphthylene	ND		0.051	0.0091	ug/L		06/14/21 09:51	06/17/21 20:49	1
Acenaphthene	ND		0.10	0.014	ug/L		06/14/21 09:51	06/17/21 20:49	1
Fluorene	ND		0.10	0.017	ug/L		06/14/21 09:51	06/17/21 20:49	1
Phenanthrene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 20:49	1
Anthracene	ND		0.10	0.022	ug/L		06/14/21 09:51	06/17/21 20:49	1
Fluoranthene	ND		0.20	0.018	ug/L		06/14/21 09:51	06/17/21 20:49	1
Pyrene	ND		0.10	0.033	ug/L		06/14/21 09:51	06/17/21 20:49	1
Benzo[a]anthracene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 20:49	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 20:49	1
Benzo[b]fluoranthene	ND		0.051	0.011	ug/L		06/14/21 09:51	06/17/21 20:49	1
Benzo[k]fluoranthene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 20:49	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 20:49	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 20:49	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 20:49	1
Benzo[g,h,i]perylene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 20:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	82		29 - 150	06/14/21 09:51	06/17/21 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	410		250	100	ug/L			06/20/21 18:09	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-2_25.45_20210609

Lab Sample ID: 580-103729-3

Date Collected: 06/09/21 09:15

Matrix: Water

Date Received: 06/10/21 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		50 - 150		06/20/21 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1200		110	66	ug/L		06/16/21 09:13	06/17/21 00:02	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		06/16/21 09:13	06/17/21 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	06/16/21 09:13	06/17/21 00:02	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		06/17/21 08:30	06/19/21 20:35	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		06/12/21 09:11	06/19/21 08:16	5

Client Sample ID: MW-3_24.63_20210609

Lab Sample ID: 580-103729-4

Date Collected: 06/09/21 10:00

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/18/21 21:23	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/18/21 21:23	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/18/21 21:23	1
Benzene	ND		1.0	0.24	ug/L			06/18/21 21:23	1
Chloroform	ND		1.0	0.26	ug/L			06/18/21 21:23	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/18/21 21:23	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/18/21 21:23	1
Hexane	ND		3.0	0.69	ug/L			06/18/21 21:23	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/18/21 21:23	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/18/21 21:23	1
o-Xylene	ND		1.0	0.39	ug/L			06/18/21 21:23	1
Tetrachloroethene	ND	+	1.0	0.41	ug/L			06/18/21 21:23	1
Toluene	ND		1.0	0.39	ug/L			06/18/21 21:23	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/18/21 21:23	1
Trichloroethene	ND	+	1.0	0.26	ug/L			06/18/21 21:23	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/18/21 21:23	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/18/21 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		06/18/21 21:23	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/18/21 21:23	1
Dibromofluoromethane (Surr)	106		80 - 120		06/18/21 21:23	1
Toluene-d8 (Surr)	107		80 - 120		06/18/21 21:23	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 21:11	1
2-Methylnaphthalene	ND		0.20	0.040	ug/L		06/14/21 09:51	06/17/21 21:11	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-3_24.63_20210609

Lab Sample ID: 580-103729-4

Date Collected: 06/09/21 10:00

Matrix: Water

Date Received: 06/10/21 12:00

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.10	0.019	ug/L		06/14/21 09:51	06/17/21 21:11	1
Acenaphthylene	ND		0.051	0.0091	ug/L		06/14/21 09:51	06/17/21 21:11	1
Acenaphthene	ND		0.10	0.014	ug/L		06/14/21 09:51	06/17/21 21:11	1
Fluorene	ND		0.10	0.017	ug/L		06/14/21 09:51	06/17/21 21:11	1
Phenanthrene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 21:11	1
Anthracene	ND		0.10	0.022	ug/L		06/14/21 09:51	06/17/21 21:11	1
Fluoranthene	ND		0.20	0.018	ug/L		06/14/21 09:51	06/17/21 21:11	1
Pyrene	ND		0.10	0.033	ug/L		06/14/21 09:51	06/17/21 21:11	1
Benzo[a]anthracene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 21:11	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 21:11	1
Benzo[b]fluoranthene	ND		0.051	0.011	ug/L		06/14/21 09:51	06/17/21 21:11	1
Benzo[k]fluoranthene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 21:11	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 21:11	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 21:11	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 21:11	1
Benzo[g,h,i]perylene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	61		29 - 150	06/14/21 09:51	06/17/21 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			06/20/21 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		50 - 150		06/20/21 18:57	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)	120		110	66	ug/L		06/16/21 09:13	06/17/21 00:22	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		06/16/21 09:13	06/17/21 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	70		50 - 150	06/16/21 09:13	06/17/21 00:22	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		06/17/21 08:30	06/19/21 19:17	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		06/12/21 09:11	06/19/21 08:20	5

Client Sample ID: MW-4_25.28_20210609

Lab Sample ID: 580-103729-5

Date Collected: 06/09/21 10:40

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/21/21 21:36	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/21/21 21:36	1
1,3-Butadiene	5.4		1.0	0.49	ug/L			06/21/21 21:36	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-4_25.28_20210609

Lab Sample ID: 580-103729-5

Date Collected: 06/09/21 10:40

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	85		1.0	0.24	ug/L			06/21/21 21:36	1
Chloroform	ND		1.0	0.26	ug/L			06/21/21 21:36	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/21/21 21:36	1
Ethylbenzene	130		1.0	0.50	ug/L			06/21/21 21:36	1
Hexane	53		3.0	0.69	ug/L			06/21/21 21:36	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/21/21 21:36	1
Tetrachloroethene	ND		1.0	0.41	ug/L			06/21/21 21:36	1
Toluene	120		1.0	0.39	ug/L			06/21/21 21:36	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/21/21 21:36	1
Trichloroethene	ND		1.0	0.26	ug/L			06/21/21 21:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		06/21/21 21:36	1
4-Bromofluorobenzene (Surr)	83		80 - 120		06/21/21 21:36	1
Dibromofluoromethane (Surr)	98		80 - 120		06/21/21 21:36	1
Toluene-d8 (Surr)	90		80 - 120		06/21/21 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1100		20	5.3	ug/L			06/22/21 15:27	10
o-Xylene	700		10	3.9	ug/L			06/22/21 15:27	10
Xylenes, Total	1800		20	5.3	ug/L			06/22/21 15:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		06/22/21 15:27	10
4-Bromofluorobenzene (Surr)	97		80 - 120		06/22/21 15:27	10
Dibromofluoromethane (Surr)	100		80 - 120		06/22/21 15:27	10
Toluene-d8 (Surr)	94		80 - 120		06/22/21 15:27	10

Method: 8260D - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	*+	1.0	0.22	ug/L			06/23/21 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		06/23/21 19:52	1
4-Bromofluorobenzene (Surr)	88		80 - 120		06/23/21 19:52	1
Dibromofluoromethane (Surr)	93		80 - 120		06/23/21 19:52	1
Toluene-d8 (Surr)	101		80 - 120		06/23/21 19:52	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	16		0.10	0.019	ug/L		06/14/21 09:51	06/17/21 21:34	1
Phenanthrene	0.34		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 21:34	1
Anthracene	ND		0.10	0.022	ug/L		06/14/21 09:51	06/17/21 21:34	1
Fluoranthene	ND		0.20	0.018	ug/L		06/14/21 09:51	06/17/21 21:34	1
Pyrene	0.23		0.10	0.034	ug/L		06/14/21 09:51	06/17/21 21:34	1
Benzo[a]anthracene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 21:34	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 21:34	1
Benzo[b]fluoranthene	0.061		0.051	0.011	ug/L		06/14/21 09:51	06/17/21 21:34	1
Benzo[k]fluoranthene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 21:34	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 21:34	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-4_25.28_20210609

Lab Sample ID: 580-103729-5

Date Collected: 06/09/21 10:40

Matrix: Water

Date Received: 06/10/21 12:00

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 21:34	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 21:34	1
Benzo[g,h,i]perylene	0.076		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 21:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	66		29 - 150				06/14/21 09:51	06/17/21 21:34	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	76		5.1	1.6	ug/L		06/14/21 09:51	06/24/21 12:02	50
2-Methylnaphthalene	28		10	2.0	ug/L		06/14/21 09:51	06/24/21 12:02	50
Acenaphthylene	ND		2.5	0.46	ug/L		06/14/21 09:51	06/24/21 12:02	50
Acenaphthene	ND		5.1	0.71	ug/L		06/14/21 09:51	06/24/21 12:02	50
Fluorene	ND		5.1	0.86	ug/L		06/14/21 09:51	06/24/21 12:02	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	67		29 - 150				06/14/21 09:51	06/24/21 12:02	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	15000		250	100	ug/L			06/20/21 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	237	S1+	50 - 150					06/20/21 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	13000		110	66	ug/L		06/20/21 14:56	06/21/21 13:12	1
Motor Oil (>C24-C36)	2000		360	98	ug/L		06/20/21 14:56	06/21/21 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150				06/20/21 14:56	06/21/21 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	82		2.0	0.20	ug/L		06/17/21 08:30	06/19/21 20:54	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29		2.0	0.20	ug/L		06/12/21 09:11	06/19/21 08:23	5

Client Sample ID: MW-6_24.83_20210609

Lab Sample ID: 580-103729-6

Date Collected: 06/09/21 15:45

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/21/21 22:00	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/21/21 22:00	1
Benzene	ND		1.0	0.24	ug/L			06/21/21 22:00	1
Chloroform	ND		1.0	0.26	ug/L			06/21/21 22:00	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/21/21 22:00	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-6_24.83_20210609

Lab Sample ID: 580-103729-6

Date Collected: 06/09/21 15:45

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.50	ug/L			06/21/21 22:00	1
Hexane	ND		3.0	0.69	ug/L			06/21/21 22:00	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/21/21 22:00	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/21/21 22:00	1
o-Xylene	ND		1.0	0.39	ug/L			06/21/21 22:00	1
Tetrachloroethene	ND		1.0	0.41	ug/L			06/21/21 22:00	1
Toluene	ND		1.0	0.39	ug/L			06/21/21 22:00	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/21/21 22:00	1
Trichloroethene	ND		1.0	0.26	ug/L			06/21/21 22:00	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/21/21 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		80 - 126		06/21/21 22:00	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/21/21 22:00	1
Dibromofluoromethane (Surr)	100		80 - 120		06/21/21 22:00	1
Toluene-d8 (Surr)	91		80 - 120		06/21/21 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	ND	*1	1.0	0.49	ug/L			06/22/21 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 126		06/22/21 15:52	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/22/21 15:52	1
Dibromofluoromethane (Surr)	101		80 - 120		06/22/21 15:52	1
Toluene-d8 (Surr)	91		80 - 120		06/22/21 15:52	1

Method: 8260D - Volatile Organic Compounds by GC/MS - RA2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	*+	1.0	0.22	ug/L			06/23/21 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		06/23/21 20:19	1
4-Bromofluorobenzene (Surr)	117		80 - 120		06/23/21 20:19	1
Dibromofluoromethane (Surr)	115		80 - 120		06/23/21 20:19	1
Toluene-d8 (Surr)	83		80 - 120		06/23/21 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			06/20/21 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150		06/20/21 19:46	1

Client Sample ID: MW-9_23.02_20210609

Lab Sample ID: 580-103729-7

Date Collected: 06/09/21 17:10

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/21/21 22:25	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/21/21 22:25	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-9_23.02_20210609

Lab Sample ID: 580-103729-7

Date Collected: 06/09/21 17:10

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	ND		1.0	0.49	ug/L			06/21/21 22:25	1
Benzene	ND		1.0	0.24	ug/L			06/21/21 22:25	1
Chloroform	ND		1.0	0.26	ug/L			06/21/21 22:25	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/21/21 22:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/21/21 22:25	1
Hexane	ND		3.0	0.69	ug/L			06/21/21 22:25	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/21/21 22:25	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/21/21 22:25	1
o-Xylene	ND		1.0	0.39	ug/L			06/21/21 22:25	1
Tetrachloroethene	ND		1.0	0.41	ug/L			06/21/21 22:25	1
Toluene	ND		1.0	0.39	ug/L			06/21/21 22:25	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/21/21 22:25	1
Trichloroethene	ND		1.0	0.26	ug/L			06/21/21 22:25	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/21/21 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 126		06/21/21 22:25	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/21/21 22:25	1
Dibromofluoromethane (Surr)	100		80 - 120		06/21/21 22:25	1
Toluene-d8 (Surr)	92		80 - 120		06/21/21 22:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	+	1.0	0.22	ug/L			06/23/21 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		06/23/21 20:43	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/23/21 20:43	1
Dibromofluoromethane (Surr)	99		80 - 120		06/23/21 20:43	1
Toluene-d8 (Surr)	96		80 - 120		06/23/21 20:43	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10	0.032	ug/L		06/14/21 09:51	06/17/21 21:57	1
2-Methylnaphthalene	ND		0.21	0.040	ug/L		06/14/21 09:51	06/17/21 21:57	1
1-Methylnaphthalene	ND		0.10	0.020	ug/L		06/14/21 09:51	06/17/21 21:57	1
Acenaphthylene	ND		0.051	0.0093	ug/L		06/14/21 09:51	06/17/21 21:57	1
Acenaphthene	ND		0.10	0.014	ug/L		06/14/21 09:51	06/17/21 21:57	1
Fluorene	ND		0.10	0.017	ug/L		06/14/21 09:51	06/17/21 21:57	1
Phenanthrene	ND		0.10	0.032	ug/L		06/14/21 09:51	06/17/21 21:57	1
Anthracene	ND		0.10	0.023	ug/L		06/14/21 09:51	06/17/21 21:57	1
Fluoranthene	ND		0.21	0.019	ug/L		06/14/21 09:51	06/17/21 21:57	1
Pyrene	ND		0.10	0.034	ug/L		06/14/21 09:51	06/17/21 21:57	1
Benzo[a]anthracene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 21:57	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 21:57	1
Benzo[b]fluoranthene	ND		0.051	0.011	ug/L		06/14/21 09:51	06/17/21 21:57	1
Benzo[k]fluoranthene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 21:57	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 21:57	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 21:57	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 21:57	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-9_23.02_20210609

Lab Sample ID: 580-103729-7

Date Collected: 06/09/21 17:10

Matrix: Water

Date Received: 06/10/21 12:00

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	61		29 - 150				06/14/21 09:51	06/17/21 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			06/20/21 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150					06/20/21 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	210		110	67	ug/L		06/20/21 14:56	06/21/21 13:32	1
Motor Oil (>C24-C36)	ND		360	99	ug/L		06/20/21 14:56	06/21/21 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150				06/20/21 14:56	06/21/21 13:32	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		06/17/21 08:30	06/19/21 20:58	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		06/12/21 09:11	06/19/21 08:31	5

Client Sample ID: MW-11_25.12_20210609

Lab Sample ID: 580-103729-8

Date Collected: 06/09/21 12:45

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/16/21 13:08	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/16/21 13:08	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/16/21 13:08	1
Benzene	ND		1.0	0.24	ug/L			06/16/21 13:08	1
Chloroform	ND		1.0	0.26	ug/L			06/16/21 13:08	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/16/21 13:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/16/21 13:08	1
Hexane	ND		3.0	0.69	ug/L			06/16/21 13:08	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/16/21 13:08	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/16/21 13:08	1
o-Xylene	ND		1.0	0.39	ug/L			06/16/21 13:08	1
Tetrachloroethene	ND	+	1.0	0.41	ug/L			06/16/21 13:08	1
Toluene	ND		1.0	0.39	ug/L			06/16/21 13:08	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/16/21 13:08	1
Trichloroethene	ND		1.0	0.26	ug/L			06/16/21 13:08	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/16/21 13:08	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/16/21 13:08	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-11_25.12_20210609

Lab Sample ID: 580-103729-8

Date Collected: 06/09/21 12:45

Matrix: Water

Date Received: 06/10/21 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 126		06/16/21 13:08	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/16/21 13:08	1
Dibromofluoromethane (Surr)	102		80 - 120		06/16/21 13:08	1
Toluene-d8 (Surr)	102		80 - 120		06/16/21 13:08	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 22:19	1
2-Methylnaphthalene	ND		0.20	0.040	ug/L		06/14/21 09:51	06/17/21 22:19	1
1-Methylnaphthalene	ND		0.10	0.019	ug/L		06/14/21 09:51	06/17/21 22:19	1
Acenaphthylene	ND		0.051	0.0091	ug/L		06/14/21 09:51	06/17/21 22:19	1
Acenaphthene	ND		0.10	0.014	ug/L		06/14/21 09:51	06/17/21 22:19	1
Fluorene	ND		0.10	0.017	ug/L		06/14/21 09:51	06/17/21 22:19	1
Phenanthrene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 22:19	1
Anthracene	ND		0.10	0.022	ug/L		06/14/21 09:51	06/17/21 22:19	1
Fluoranthene	ND		0.20	0.018	ug/L		06/14/21 09:51	06/17/21 22:19	1
Pyrene	ND		0.10	0.033	ug/L		06/14/21 09:51	06/17/21 22:19	1
Benzo[a]anthracene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 22:19	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 22:19	1
Benzo[b]fluoranthene	ND		0.051	0.011	ug/L		06/14/21 09:51	06/17/21 22:19	1
Benzo[k]fluoranthene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 22:19	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 22:19	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 22:19	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 22:19	1
Benzo[g,h,i]perylene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	50		29 - 150	06/14/21 09:51	06/17/21 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			06/20/21 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		50 - 150		06/20/21 20:35	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)	390		110	66	ug/L		06/18/21 09:48	06/18/21 22:51	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		06/18/21 09:48	06/18/21 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	49	S1-	50 - 150	06/18/21 09:48	06/18/21 22:51	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		06/17/21 08:30	06/19/21 21:02	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		06/12/21 09:11	06/19/21 11:32	5

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-12_26.11_20210609

Lab Sample ID: 580-103729-9

Date Collected: 06/09/21 14:00

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/16/21 13:34	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/16/21 13:34	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/16/21 13:34	1
Benzene	ND		1.0	0.24	ug/L			06/16/21 13:34	1
Chloroform	ND		1.0	0.26	ug/L			06/16/21 13:34	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/16/21 13:34	1
Ethylbenzene	2.2		1.0	0.50	ug/L			06/16/21 13:34	1
Hexane	ND		3.0	0.69	ug/L			06/16/21 13:34	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/16/21 13:34	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/16/21 13:34	1
o-Xylene	ND		1.0	0.39	ug/L			06/16/21 13:34	1
Tetrachloroethene	ND	+	1.0	0.41	ug/L			06/16/21 13:34	1
Toluene	ND		1.0	0.39	ug/L			06/16/21 13:34	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/16/21 13:34	1
Trichloroethene	ND		1.0	0.26	ug/L			06/16/21 13:34	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/16/21 13:34	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/16/21 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 126		06/16/21 13:34	1
4-Bromofluorobenzene (Surr)	107		80 - 120		06/16/21 13:34	1
Dibromofluoromethane (Surr)	93		80 - 120		06/16/21 13:34	1
Toluene-d8 (Surr)	104		80 - 120		06/16/21 13:34	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.6		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 22:42	1
2-Methylnaphthalene	0.59		0.20	0.039	ug/L		06/14/21 09:51	06/17/21 22:42	1
1-Methylnaphthalene	0.44		0.10	0.019	ug/L		06/14/21 09:51	06/17/21 22:42	1
Acenaphthylene	ND		0.051	0.0091	ug/L		06/14/21 09:51	06/17/21 22:42	1
Acenaphthene	ND		0.10	0.014	ug/L		06/14/21 09:51	06/17/21 22:42	1
Fluorene	ND		0.10	0.017	ug/L		06/14/21 09:51	06/17/21 22:42	1
Phenanthrene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 22:42	1
Anthracene	ND		0.10	0.022	ug/L		06/14/21 09:51	06/17/21 22:42	1
Fluoranthene	ND		0.20	0.018	ug/L		06/14/21 09:51	06/17/21 22:42	1
Pyrene	ND		0.10	0.033	ug/L		06/14/21 09:51	06/17/21 22:42	1
Benzo[a]anthracene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 22:42	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 22:42	1
Benzo[b]fluoranthene	ND		0.051	0.011	ug/L		06/14/21 09:51	06/17/21 22:42	1
Benzo[k]fluoranthene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 22:42	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 22:42	1
Indeno[1,2,3-cd]pyrene	ND		0.051	0.014	ug/L		06/14/21 09:51	06/17/21 22:42	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 22:42	1
Benzo[g,h,i]perylene	ND		0.051	0.012	ug/L		06/14/21 09:51	06/17/21 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	87		29 - 150	06/14/21 09:51	06/17/21 22:42	1

Eurofins FGS, Seattle

Client Sample Results

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

Job ID: 580-103729-1

Client Sample ID: MW-12_26.11_20210609

Lab Sample ID: 580-103729-9

Date Collected: 06/09/21 14:00

Matrix: Water

Date Received: 06/10/21 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	530		250	100	ug/L			06/20/21 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		50 - 150					06/20/21 20:59	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)	3000		110	66	ug/L		06/18/21 09:48	06/18/21 23:10	1
Motor Oil (>C24-C36)	390		360	98	ug/L		06/18/21 09:48	06/18/21 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150				06/18/21 09:48	06/18/21 23:10	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		06/17/21 08:30	06/19/21 21:06	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		06/12/21 09:11	06/19/21 11:20	5

Client Sample ID: Trip Blank_20210609

Lab Sample ID: 580-103729-10

Date Collected: 06/09/21 00:01

Matrix: Water

Date Received: 06/10/21 12:00

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			06/21/21 23:39	1
Toluene	ND		1.0	0.39	ug/L			06/21/21 23:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/21/21 23:39	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/21/21 23:39	1
o-Xylene	ND		1.0	0.39	ug/L			06/21/21 23:39	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/21/21 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120					06/21/21 23:39	1
1,2-Dichloroethane-d4 (Surr)	116		80 - 126					06/21/21 23:39	1
4-Bromofluorobenzene (Surr)	95		80 - 120					06/21/21 23:39	1
Dibromofluoromethane (Surr)	101		80 - 120					06/21/21 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			06/20/21 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150					06/20/21 16:07	1

Eurofins FGS, Seattle

Surrogate Summary

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

Job ID: 580-103729-1

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 (80-126)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
580-103729-1	GWM-1_24.62_20210609	97	118	96	113
580-103729-2	MW-1_25.76_20210609	97	105	101	107
580-103729-3	MW-2_25.45_20210609	98	108	100	107
580-103729-4	MW-3_24.63_20210609	102	97	106	107
580-103729-5	MW-4_25.28_20210609	101	83	98	90
580-103729-5 - DL	MW-4_25.28_20210609	107	97	100	94
580-103729-5 - DL2	MW-4_25.28_20210609	105	88	93	101
580-103729-6	MW-6_24.83_20210609	111	97	100	91
580-103729-6 - RA	MW-6_24.83_20210609	114	96	101	91
580-103729-6 - RA2	MW-6_24.83_20210609	105	117	115	83
580-103729-7	MW-9_23.02_20210609	114	95	100	92
580-103729-7 - RA	MW-9_23.02_20210609	107	95	99	96
580-103729-8	MW-11_25.12_20210609	112	98	102	102
580-103729-9	MW-12_26.11_20210609	101	107	93	104
580-103729-10	Trip Blank_20210609	116	95	101	93
LCS 580-359366/4	Lab Control Sample	96	110	101	107
LCS 580-359666/4	Lab Control Sample	90	109	102	109
LCS 580-359870/5	Lab Control Sample	104	100	98	98
LCS 580-359941/5	Lab Control Sample	108	101	100	94
LCS 580-360086/4	Lab Control Sample	84	116	136 S1+	78 S1-
LCSD 580-359366/5	Lab Control Sample Dup	93	109	101	106
LCSD 580-359666/5	Lab Control Sample Dup	91	106	103	109
LCSD 580-359870/6	Lab Control Sample Dup	101	100	100	96
LCSD 580-359941/6	Lab Control Sample Dup	109	99	102	94
MB 580-359366/7	Method Blank	109	99	105	104
MB 580-359666/7	Method Blank	102	98	108	104
MB 580-359870/8	Method Blank	109	93	102	93
MB 580-359941/8	Method Blank	116	99	102	94
MB 580-360086/7	Method Blank	84	104	111	95

Surrogate Legend

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

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TPHL (29-150)			
580-103729-1	GWM-1_24.62_20210609	51			
580-103729-2	MW-1_25.76_20210609	66			
580-103729-3	MW-2_25.45_20210609	82			
580-103729-4	MW-3_24.63_20210609	61			
580-103729-5	MW-4_25.28_20210609	66			
580-103729-5 - DL	MW-4_25.28_20210609	67			
580-103729-7	MW-9_23.02_20210609	61			
580-103729-8	MW-11_25.12_20210609	50			

Eurofins FGS, Seattle

Surrogate Summary

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

Job ID: 580-103729-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TPHL (29-150)
580-103729-9	MW-12_26.11_20210609	87
LCS 580-359152/2-A	Lab Control Sample	69
LCSD 580-359152/3-A	Lab Control Sample Dup	70
MB 580-359152/1-A	Method Blank	72

Surrogate Legend

TPHL = Terphenyl-d14

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB2 (50-150)
580-103729-1	GWM-1_24.62_20210609	197 S1+
580-103729-2	MW-1_25.76_20210609	95
580-103729-3	MW-2_25.45_20210609	104
580-103729-4	MW-3_24.63_20210609	93
580-103729-5	MW-4_25.28_20210609	237 S1+
580-103729-6	MW-6_24.83_20210609	97
580-103729-7	MW-9_23.02_20210609	92
580-103729-8	MW-11_25.12_20210609	95
580-103729-9	MW-12_26.11_20210609	112
580-103729-10	Trip Blank_20210609	96
LCS 580-359751/4	Lab Control Sample	103
LCSD 580-359751/5	Lab Control Sample Dup	101
MB 580-359751/3	Method Blank	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH (50-150)
580-103729-1	GWM-1_24.62_20210609	67
580-103729-2	MW-1_25.76_20210609	57
580-103729-3	MW-2_25.45_20210609	66
580-103729-4	MW-3_24.63_20210609	70
580-103729-5	MW-4_25.28_20210609	75
580-103729-7	MW-9_23.02_20210609	75
580-103729-8	MW-11_25.12_20210609	49 S1-
580-103729-9	MW-12_26.11_20210609	72
LCS 580-359373/2-A	Lab Control Sample	77
LCS 580-359620/2-A	Lab Control Sample	72
LCS 580-359761/2-A	Lab Control Sample	74
LCSD 580-359373/3-A	Lab Control Sample Dup	73
LCSD 580-359620/3-A	Lab Control Sample Dup	72
LCSD 580-359761/3-A	Lab Control Sample Dup	82
MB 580-359373/1-A	Method Blank	55

Eurofins FGS, Seattle

Surrogate Summary

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

Job ID: 580-103729-1

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)
MB 580-359620/1-A	Method Blank	64
MB 580-359761/1-A	Method Blank	74

Surrogate Legend

OTPH = o-Terphenyl

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: MB 580-359366/7

Matrix: Water

Analysis Batch: 359366

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/16/21 11:29	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/16/21 11:29	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/16/21 11:29	1
Benzene	ND		1.0	0.24	ug/L			06/16/21 11:29	1
Chloroform	ND		1.0	0.26	ug/L			06/16/21 11:29	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/16/21 11:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/16/21 11:29	1
Hexane	ND		3.0	0.69	ug/L			06/16/21 11:29	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/16/21 11:29	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/16/21 11:29	1
o-Xylene	ND		1.0	0.39	ug/L			06/16/21 11:29	1
Tetrachloroethene	ND		1.0	0.41	ug/L			06/16/21 11:29	1
Toluene	ND		1.0	0.39	ug/L			06/16/21 11:29	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/16/21 11:29	1
Trichloroethene	ND		1.0	0.26	ug/L			06/16/21 11:29	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/16/21 11:29	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/16/21 11:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		06/16/21 11:29	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/16/21 11:29	1
Toluene-d8 (Surr)	104		80 - 120		06/16/21 11:29	1
Dibromofluoromethane (Surr)	105		80 - 120		06/16/21 11:29	1

Lab Sample ID: LCS 580-359366/4

Matrix: Water

Analysis Batch: 359366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	10.9		ug/L		109	80 - 121
1,1-Dichloroethene	10.0	11.9		ug/L		119	70 - 129
1,3-Butadiene	10.0	9.14		ug/L		91	41 - 150
Benzene	10.0	10.8		ug/L		108	82 - 122
Chloroform	10.0	11.5		ug/L		115	73 - 127
cis-1,2-Dichloroethene	10.0	9.92		ug/L		99	76 - 129
Ethylbenzene	10.0	10.6		ug/L		106	80 - 120
Hexane	10.0	9.73		ug/L		97	48 - 150
Methyl tert-butyl ether	10.0	9.59		ug/L		96	72 - 130
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	80 - 120
o-Xylene	10.0	10.3		ug/L		103	80 - 125
Tetrachloroethene	10.0	12.7	*+	ug/L		127	76 - 120
Toluene	10.0	10.2		ug/L		102	80 - 120
trans-1,2-Dichloroethene	10.0	10.6		ug/L		106	70 - 130
Trichloroethene	10.0	11.3		ug/L		113	81 - 125
Vinyl chloride	10.0	7.90		ug/L		79	65 - 130
Xylenes, Total	20.0	20.6		ug/L		103	80 - 120

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: LCS 580-359366/4

Matrix: Water

Analysis Batch: 359366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 126
4-Bromofluorobenzene (Surr)	110		80 - 120
Toluene-d8 (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120

Lab Sample ID: LCSD 580-359366/5

Matrix: Water

Analysis Batch: 359366

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
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	80 - 121	4	14
1,1-Dichloroethene	10.0	11.3		ug/L		113	70 - 129	5	17
1,3-Butadiene	10.0	9.26		ug/L		93	41 - 150	1	14
Benzene	10.0	10.6		ug/L		106	82 - 122	3	14
Chloroform	10.0	10.9		ug/L		109	73 - 127	5	14
cis-1,2-Dichloroethene	10.0	9.44		ug/L		94	76 - 129	5	15
Ethylbenzene	10.0	10.3		ug/L		103	80 - 120	3	14
Hexane	10.0	9.31		ug/L		93	48 - 150	4	19
Methyl tert-butyl ether	10.0	9.00		ug/L		90	72 - 130	6	18
m-Xylene & p-Xylene	10.0	9.99		ug/L		100	80 - 120	3	14
o-Xylene	10.0	9.90		ug/L		99	80 - 125	4	16
Tetrachloroethene	10.0	12.3	*+	ug/L		123	76 - 120	3	13
Toluene	10.0	9.94		ug/L		99	80 - 120	2	13
trans-1,2-Dichloroethene	10.0	10.2		ug/L		102	70 - 130	4	21
Trichloroethene	10.0	10.7		ug/L		107	81 - 125	5	13
Vinyl chloride	10.0	7.70		ug/L		77	65 - 130	3	14
Xylenes, Total	20.0	19.9		ug/L		99	80 - 120	4	16

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		80 - 126
4-Bromofluorobenzene (Surr)	109		80 - 120
Toluene-d8 (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120

Lab Sample ID: MB 580-359666/7

Matrix: Water

Analysis Batch: 359666

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/18/21 17:13	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/18/21 17:13	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/18/21 17:13	1
Benzene	ND		1.0	0.24	ug/L			06/18/21 17:13	1
Chloroform	ND		1.0	0.26	ug/L			06/18/21 17:13	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/18/21 17:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/18/21 17:13	1
Hexane	ND		3.0	0.69	ug/L			06/18/21 17:13	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/18/21 17:13	1

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: MB 580-359666/7

Matrix: Water

Analysis Batch: 359666

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/18/21 17:13	1
o-Xylene	ND		1.0	0.39	ug/L			06/18/21 17:13	1
Tetrachloroethene	ND		1.0	0.41	ug/L			06/18/21 17:13	1
Toluene	ND		1.0	0.39	ug/L			06/18/21 17:13	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/18/21 17:13	1
Trichloroethene	ND		1.0	0.26	ug/L			06/18/21 17:13	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/18/21 17:13	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/18/21 17:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		06/18/21 17:13	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/18/21 17:13	1
Toluene-d8 (Surr)	104		80 - 120		06/18/21 17:13	1
Dibromofluoromethane (Surr)	108		80 - 120		06/18/21 17:13	1

Lab Sample ID: LCS 580-359666/4

Matrix: Water

Analysis Batch: 359666

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	11.0		ug/L		110	80 - 121
1,1-Dichloroethene	10.0	12.1		ug/L		121	70 - 129
1,3-Butadiene	10.0	9.77		ug/L		98	41 - 150
Benzene	10.0	11.3		ug/L		113	82 - 122
Chloroform	10.0	11.9		ug/L		119	73 - 127
cis-1,2-Dichloroethene	10.0	9.76		ug/L		98	76 - 129
Ethylbenzene	10.0	11.1		ug/L		111	80 - 120
Hexane	10.0	9.74		ug/L		97	48 - 150
Methyl tert-butyl ether	10.0	8.84		ug/L		88	72 - 130
m-Xylene & p-Xylene	10.0	10.9		ug/L		109	80 - 120
o-Xylene	10.0	10.6		ug/L		106	80 - 125
Tetrachloroethene	10.0	12.2	*+	ug/L		122	76 - 120
Toluene	10.0	10.5		ug/L		105	80 - 120
trans-1,2-Dichloroethene	10.0	10.7		ug/L		107	70 - 130
Trichloroethene	10.0	12.6	*+	ug/L		126	81 - 125
Vinyl chloride	10.0	8.30		ug/L		83	65 - 130
Xylenes, Total	20.0	21.5		ug/L		108	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		80 - 126
4-Bromofluorobenzene (Surr)	109		80 - 120
Toluene-d8 (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: LCSD 580-359666/5

Matrix: Water

Analysis Batch: 359666

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
1,1,2-Trichloroethane	10.0	10.9		ug/L		109	80 - 121	1	14
1,1-Dichloroethene	10.0	11.9		ug/L		119	70 - 129	1	17
1,3-Butadiene	10.0	9.24		ug/L		92	41 - 150	6	14
Benzene	10.0	10.4		ug/L		104	82 - 122	8	14
Chloroform	10.0	11.1		ug/L		111	73 - 127	7	14
cis-1,2-Dichloroethene	10.0	9.86		ug/L		99	76 - 129	1	15
Ethylbenzene	10.0	10.6		ug/L		106	80 - 120	5	14
Hexane	10.0	9.21		ug/L		92	48 - 150	6	19
Methyl tert-butyl ether	10.0	8.76		ug/L		88	72 - 130	1	18
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	80 - 120	7	14
o-Xylene	10.0	10.1		ug/L		101	80 - 125	5	16
Tetrachloroethene	10.0	11.4		ug/L		114	76 - 120	7	13
Toluene	10.0	9.97		ug/L		100	80 - 120	5	13
trans-1,2-Dichloroethene	10.0	10.5		ug/L		105	70 - 130	2	21
Trichloroethene	10.0	11.9		ug/L		119	81 - 125	6	13
Vinyl chloride	10.0	8.59		ug/L		86	65 - 130	3	14
Xylenes, Total	20.0	20.3		ug/L		102	80 - 120	6	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		80 - 126
4-Bromofluorobenzene (Surr)	106		80 - 120
Toluene-d8 (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120

Lab Sample ID: MB 580-359870/8

Matrix: Water

Analysis Batch: 359870

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/21/21 20:46	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/21/21 20:46	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/21/21 20:46	1
Benzene	ND		1.0	0.24	ug/L			06/21/21 20:46	1
Chloroform	ND		1.0	0.26	ug/L			06/21/21 20:46	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/21/21 20:46	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/21/21 20:46	1
Hexane	ND		3.0	0.69	ug/L			06/21/21 20:46	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/21/21 20:46	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/21/21 20:46	1
o-Xylene	ND		1.0	0.39	ug/L			06/21/21 20:46	1
Tetrachloroethene	ND		1.0	0.41	ug/L			06/21/21 20:46	1
Toluene	ND		1.0	0.39	ug/L			06/21/21 20:46	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/21/21 20:46	1
Trichloroethene	ND		1.0	0.26	ug/L			06/21/21 20:46	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/21/21 20:46	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/21/21 20:46	1

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: MB 580-359870/8

Matrix: Water

Analysis Batch: 359870

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		06/21/21 20:46	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/21/21 20:46	1
Toluene-d8 (Surr)	93		80 - 120		06/21/21 20:46	1
Dibromofluoromethane (Surr)	102		80 - 120		06/21/21 20:46	1

Lab Sample ID: LCS 580-359870/5

Matrix: Water

Analysis Batch: 359870

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	9.36		ug/L		94	80 - 121
1,1-Dichloroethene	10.0	9.79		ug/L		98	70 - 129
1,3-Butadiene	10.0	5.66		ug/L		57	41 - 150
Benzene	10.0	9.77		ug/L		98	82 - 122
Chloroform	10.0	9.82		ug/L		98	73 - 127
cis-1,2-Dichloroethene	10.0	9.72		ug/L		97	76 - 129
Ethylbenzene	10.0	10.4		ug/L		104	80 - 120
Hexane	10.0	10.0		ug/L		100	48 - 150
Methyl tert-butyl ether	10.0	10.0		ug/L		100	72 - 130
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	80 - 120
o-Xylene	10.0	10.6		ug/L		106	80 - 125
Tetrachloroethene	10.0	10.0		ug/L		100	76 - 120
Toluene	10.0	9.83		ug/L		98	80 - 120
trans-1,2-Dichloroethene	10.0	9.87		ug/L		99	70 - 130
Trichloroethene	10.0	9.91		ug/L		99	81 - 125
Vinyl chloride	10.0	4.81	*-	ug/L		48	65 - 130
Xylenes, Total	20.0	20.9		ug/L		105	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 126
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120

Lab Sample ID: LCSD 580-359870/6

Matrix: Water

Analysis Batch: 359870

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
1,1,2-Trichloroethane	10.0	9.25		ug/L		93	80 - 121	1	14
1,1-Dichloroethene	10.0	9.71		ug/L		97	70 - 129	1	17
1,3-Butadiene	10.0	5.40		ug/L		54	41 - 150	5	14
Benzene	10.0	9.49		ug/L		95	82 - 122	3	14
Chloroform	10.0	9.74		ug/L		97	73 - 127	1	14
cis-1,2-Dichloroethene	10.0	9.82		ug/L		98	76 - 129	1	15
Ethylbenzene	10.0	10.1		ug/L		101	80 - 120	3	14
Hexane	10.0	9.55		ug/L		95	48 - 150	5	19
Methyl tert-butyl ether	10.0	10.2		ug/L		102	72 - 130	2	18

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: LCSD 580-359870/6

Matrix: Water

Analysis Batch: 359870

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
m-Xylene & p-Xylene	10.0	9.87		ug/L		99	80 - 120	5	14
o-Xylene	10.0	10.1		ug/L		101	80 - 125	4	16
Tetrachloroethene	10.0	9.63		ug/L		96	76 - 120	4	13
Toluene	10.0	9.66		ug/L		97	80 - 120	2	13
trans-1,2-Dichloroethene	10.0	9.82		ug/L		98	70 - 130	1	21
Trichloroethene	10.0	9.52		ug/L		95	81 - 125	4	13
Vinyl chloride	10.0	4.34	*-	ug/L		43	65 - 130	10	14
Xylenes, Total	20.0	20.0		ug/L		100	80 - 120	5	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 126
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120

Lab Sample ID: MB 580-359941/8

Matrix: Water

Analysis Batch: 359941

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.24	ug/L			06/22/21 13:37	1
1,1-Dichloroethene	ND		1.0	0.28	ug/L			06/22/21 13:37	1
1,3-Butadiene	ND		1.0	0.49	ug/L			06/22/21 13:37	1
Benzene	ND		1.0	0.24	ug/L			06/22/21 13:37	1
Chloroform	ND		1.0	0.26	ug/L			06/22/21 13:37	1
cis-1,2-Dichloroethene	ND		1.0	0.35	ug/L			06/22/21 13:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			06/22/21 13:37	1
Hexane	ND		3.0	0.69	ug/L			06/22/21 13:37	1
Methyl tert-butyl ether	ND		1.0	0.44	ug/L			06/22/21 13:37	1
m-Xylene & p-Xylene	ND		2.0	0.53	ug/L			06/22/21 13:37	1
o-Xylene	ND		1.0	0.39	ug/L			06/22/21 13:37	1
Tetrachloroethene	ND		1.0	0.41	ug/L			06/22/21 13:37	1
Toluene	ND		1.0	0.39	ug/L			06/22/21 13:37	1
trans-1,2-Dichloroethene	ND		1.0	0.39	ug/L			06/22/21 13:37	1
Trichloroethene	ND		1.0	0.26	ug/L			06/22/21 13:37	1
Vinyl chloride	ND		1.0	0.22	ug/L			06/22/21 13:37	1
Xylenes, Total	ND		2.0	0.53	ug/L			06/22/21 13:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 126		06/22/21 13:37	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/22/21 13:37	1
Toluene-d8 (Surr)	94		80 - 120		06/22/21 13:37	1
Dibromofluoromethane (Surr)	102		80 - 120		06/22/21 13:37	1

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: LCS 580-359941/5

Matrix: Water

Analysis Batch: 359941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	9.06		ug/L		91	80 - 121
1,1-Dichloroethene	10.0	11.2		ug/L		112	70 - 129
1,3-Butadiene	10.0	8.19		ug/L		82	41 - 150
Benzene	10.0	9.52		ug/L		95	82 - 122
Chloroform	10.0	9.76		ug/L		98	73 - 127
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	76 - 129
Ethylbenzene	10.0	10.0		ug/L		100	80 - 120
Hexane	10.0	12.4		ug/L		124	48 - 150
Methyl tert-butyl ether	10.0	10.8		ug/L		108	72 - 130
m-Xylene & p-Xylene	10.0	10.2		ug/L		102	80 - 120
o-Xylene	10.0	9.99		ug/L		100	80 - 125
Tetrachloroethene	10.0	10.5		ug/L		105	76 - 120
Toluene	10.0	9.63		ug/L		96	80 - 120
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	70 - 130
Trichloroethene	10.0	9.47		ug/L		95	81 - 125
Vinyl chloride	10.0	6.57		ug/L		66	65 - 130
Xylenes, Total	20.0	20.2		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		80 - 126
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120

Lab Sample ID: LCSD 580-359941/6

Matrix: Water

Analysis Batch: 359941

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
1,1,2-Trichloroethane	10.0	8.97		ug/L		90	80 - 121	1	14
1,1-Dichloroethene	10.0	10.1		ug/L		101	70 - 129	10	17
1,3-Butadiene	10.0	6.96	*1	ug/L		70	41 - 150	16	14
Benzene	10.0	9.12		ug/L		91	82 - 122	4	14
Chloroform	10.0	9.20		ug/L		92	73 - 127	6	14
cis-1,2-Dichloroethene	10.0	9.81		ug/L		98	76 - 129	3	15
Ethylbenzene	10.0	9.43		ug/L		94	80 - 120	6	14
Hexane	10.0	11.4		ug/L		114	48 - 150	8	19
Methyl tert-butyl ether	10.0	10.6		ug/L		106	72 - 130	3	18
m-Xylene & p-Xylene	10.0	9.51		ug/L		95	80 - 120	7	14
o-Xylene	10.0	9.58		ug/L		96	80 - 125	4	16
Tetrachloroethene	10.0	9.37		ug/L		94	76 - 120	11	13
Toluene	10.0	9.04		ug/L		90	80 - 120	6	13
trans-1,2-Dichloroethene	10.0	9.94		ug/L		99	70 - 130	5	21
Trichloroethene	10.0	8.89		ug/L		89	81 - 125	6	13
Vinyl chloride	10.0	5.72	*-	ug/L		57	65 - 130	14	14
Xylenes, Total	20.0	19.1		ug/L		95	80 - 120	6	16

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: LCSD 580-359941/6

Matrix: Water

Analysis Batch: 359941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		80 - 126
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120

Lab Sample ID: MB 580-360086/7

Matrix: Water

Analysis Batch: 360086

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.22	ug/L			06/23/21 17:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		80 - 126					06/23/21 17:49	1
4-Bromofluorobenzene (Surr)	104		80 - 120					06/23/21 17:49	1
Toluene-d8 (Surr)	95		80 - 120					06/23/21 17:49	1
Dibromofluoromethane (Surr)	111		80 - 120					06/23/21 17:49	1

Lab Sample ID: LCS 580-360086/4

Matrix: Water

Analysis Batch: 360086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	10.0	31.0	*+	ug/L		310	65 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	84		80 - 126				
4-Bromofluorobenzene (Surr)	116		80 - 120				
Toluene-d8 (Surr)	78	S1-	80 - 120				
Dibromofluoromethane (Surr)	136	S1+	80 - 120				

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-359152/1-A

Matrix: Water

Analysis Batch: 359526

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 359152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 17:04	1
2-Methylnaphthalene	ND		0.20	0.039	ug/L		06/14/21 09:51	06/17/21 17:04	1
1-Methylnaphthalene	ND		0.10	0.019	ug/L		06/14/21 09:51	06/17/21 17:04	1
Acenaphthylene	ND		0.050	0.0090	ug/L		06/14/21 09:51	06/17/21 17:04	1
Acenaphthene	ND		0.10	0.014	ug/L		06/14/21 09:51	06/17/21 17:04	1
Fluorene	ND		0.10	0.017	ug/L		06/14/21 09:51	06/17/21 17:04	1
Phenanthrene	ND		0.10	0.031	ug/L		06/14/21 09:51	06/17/21 17:04	1
Anthracene	ND		0.10	0.022	ug/L		06/14/21 09:51	06/17/21 17:04	1
Fluoranthene	ND		0.20	0.018	ug/L		06/14/21 09:51	06/17/21 17:04	1
Pyrene	ND		0.10	0.033	ug/L		06/14/21 09:51	06/17/21 17:04	1

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 580-359152/1-A

Matrix: Water

Analysis Batch: 359526

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 359152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.050	0.014	ug/L		06/14/21 09:51	06/17/21 17:04	1
Chrysene	ND		0.10	0.016	ug/L		06/14/21 09:51	06/17/21 17:04	1
Benzo[b]fluoranthene	ND		0.050	0.011	ug/L		06/14/21 09:51	06/17/21 17:04	1
Benzo[k]fluoranthene	ND		0.050	0.012	ug/L		06/14/21 09:51	06/17/21 17:04	1
Benzo[a]pyrene	ND		0.10	0.011	ug/L		06/14/21 09:51	06/17/21 17:04	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.014	ug/L		06/14/21 09:51	06/17/21 17:04	1
Dibenz(a,h)anthracene	ND		0.10	0.015	ug/L		06/14/21 09:51	06/17/21 17:04	1
Benzo[g,h,i]perylene	ND		0.050	0.012	ug/L		06/14/21 09:51	06/17/21 17:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	72		29 - 150	06/14/21 09:51	06/17/21 17:04	1

Lab Sample ID: LCS 580-359152/2-A

Matrix: Water

Analysis Batch: 359526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 359152

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	4.00	2.48		ug/L		62	24 - 120
2-Methylnaphthalene	4.00	2.47		ug/L		62	33 - 120
1-Methylnaphthalene	4.00	2.45		ug/L		61	29 - 120
Acenaphthylene	4.00	2.50		ug/L		62	32 - 120
Acenaphthene	4.00	2.52		ug/L		63	33 - 120
Fluorene	4.00	2.30		ug/L		58	39 - 120
Phenanthrene	4.00	2.60		ug/L		65	37 - 120
Anthracene	4.00	2.63		ug/L		66	41 - 120
Fluoranthene	4.00	2.72		ug/L		68	41 - 137
Pyrene	4.00	2.61		ug/L		65	39 - 134
Benzo[a]anthracene	4.00	2.73		ug/L		68	45 - 129
Chrysene	4.00	2.68		ug/L		67	47 - 126
Benzo[b]fluoranthene	4.00	2.68		ug/L		67	33 - 142
Benzo[k]fluoranthene	4.00	2.36		ug/L		59	41 - 132
Benzo[a]pyrene	4.00	2.56		ug/L		64	43 - 130
Indeno[1,2,3-cd]pyrene	4.00	2.94		ug/L		73	51 - 135
Dibenz(a,h)anthracene	4.00	2.85		ug/L		71	47 - 133
Benzo[g,h,i]perylene	4.00	2.66		ug/L		66	45 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	69		29 - 150

Lab Sample ID: LCSD 580-359152/3-A

Matrix: Water

Analysis Batch: 359526

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 359152

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	4.00	2.52		ug/L		63	24 - 120	2	35
2-Methylnaphthalene	4.00	2.53		ug/L		63	33 - 120	3	35
1-Methylnaphthalene	4.00	2.50		ug/L		62	29 - 120	2	34
Acenaphthylene	4.00	2.65		ug/L		66	32 - 120	6	34

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 580-359152/3-A

Matrix: Water

Analysis Batch: 359526

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 359152

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	4.00	2.67		ug/L		67	33 - 120	6	32
Fluorene	4.00	2.45		ug/L		61	39 - 120	6	29
Phenanthrene	4.00	2.71		ug/L		68	37 - 120	4	26
Anthracene	4.00	2.83		ug/L		71	41 - 120	8	29
Fluoranthene	4.00	2.86		ug/L		71	41 - 137	5	24
Pyrene	4.00	2.74		ug/L		68	39 - 134	5	24
Benzo[a]anthracene	4.00	2.88		ug/L		72	45 - 129	5	24
Chrysene	4.00	2.83		ug/L		71	47 - 126	5	23
Benzo[b]fluoranthene	4.00	2.77		ug/L		69	33 - 142	4	25
Benzo[k]fluoranthene	4.00	2.56		ug/L		64	41 - 132	8	25
Benzo[a]pyrene	4.00	2.72		ug/L		68	43 - 130	6	27
Indeno[1,2,3-cd]pyrene	4.00	3.11		ug/L		78	51 - 135	6	24
Dibenz(a,h)anthracene	4.00	3.04		ug/L		76	47 - 133	7	25
Benzo[g,h,i]perylene	4.00	2.86		ug/L		71	45 - 127	7	27

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	70		29 - 150

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

Lab Sample ID: MB 580-359751/3

Matrix: Water

Analysis Batch: 359751

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		250	100	ug/L			06/20/21 14:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		50 - 150					06/20/21 14:30	1

Lab Sample ID: LCS 580-359751/4

Matrix: Water

Analysis Batch: 359751

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline			1000	977		ug/L		98	79 - 120		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
4-Bromofluorobenzene (Surr)		103		50 - 150							

Lab Sample ID: LCSD 580-359751/5

Matrix: Water

Analysis Batch: 359751

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	955		ug/L		96	79 - 120	2	10

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: LCSD 580-359751/5

Matrix: Water

Analysis Batch: 359751

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		50 - 150

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

Lab Sample ID: MB 580-359373/1-A

Matrix: Water

Analysis Batch: 359855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 359373

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
#2 Diesel (C10-C24)	ND		110	65	ug/L		06/16/21 09:13	06/21/21 19:46	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		06/16/21 09:13	06/21/21 19:46	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
o-Terphenyl	55		50 - 150				06/16/21 09:13	06/21/21 19:46	1

Lab Sample ID: LCS 580-359373/2-A

Matrix: Water

Analysis Batch: 359414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 359373

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
#2 Diesel (C10-C24)	2000	1350		ug/L		67	50 - 120
Motor Oil (>C24-C36)	2000	1490		ug/L		74	64 - 120
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
o-Terphenyl	77		50 - 150				

Lab Sample ID: LCSD 580-359373/3-A

Matrix: Water

Analysis Batch: 359414

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 359373

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD
	Added	Result	Qualifier				Limits	RPD
#2 Diesel (C10-C24)	2000	1320		ug/L		66	50 - 120	2
Motor Oil (>C24-C36)	2000	1420		ug/L		71	64 - 120	4
Surrogate	LCSD	LCSD	Limits					
	%Recovery	Qualifier						
o-Terphenyl	73		50 - 150					

Lab Sample ID: MB 580-359620/1-A

Matrix: Water

Analysis Batch: 359765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 359620

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
#2 Diesel (C10-C24)	ND		110	65	ug/L		06/18/21 09:48	06/18/21 21:11	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		06/18/21 09:48	06/18/21 21:11	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
o-Terphenyl	64		50 - 150				06/18/21 09:48	06/18/21 21:11	1

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: LCS 580-359620/2-A

Matrix: Water

Analysis Batch: 359765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 359620

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)			2000	1360		ug/L		68	50 - 120		
Motor Oil (>C24-C36)			2000	1410		ug/L		71	64 - 120		
	</										

Lab Sample ID: LCSD 580-359620/3-A

Matrix: Water

Analysis Batch: 359765

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 359620

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
#2 Diesel (C10-C24)			2000	1420		ug/L		71	50 - 120	5	26
Motor Oil (>C24-C36)			2000	1470		ug/L		73	64 - 120	4	24
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
o-Terphenyl	72		50 - 150								

Lab Sample ID: MB 580-359761/1-A

Matrix: Water

Analysis Batch: 359855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 359761

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
#2 Diesel (C10-C24)	ND		110	65	ug/L		06/20/21 14:56	06/21/21 11:11	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		06/20/21 14:56	06/21/21 11:11	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
o-Terphenyl	74		50 - 150				06/20/21 14:56	06/21/21 11:11	1

Lab Sample ID: LCS 580-359761/2-A

Matrix: Water

Analysis Batch: 359855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 359761

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
#2 Diesel (C10-C24)			2000	1400		ug/L		70	50 - 120		
Motor Oil (>C24-C36)			2000	1450		ug/L		73	64 - 120		
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
o-Terphenyl	74		50 - 150								

Lab Sample ID: LCSD 580-359761/3-A

Matrix: Water

Analysis Batch: 359855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 359761

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	2000	1540		ug/L		77	50 - 120	10	26
Motor Oil (>C24-C36)	2000	1660		ug/L		83	64 - 120	13	24

Eurofins FGS, Seattle

QC Sample Results

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

Job ID: 580-103729-1

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

Lab Sample ID: LCSD 580-359761/3-A
Matrix: Water
Analysis Batch: 359855

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 359761

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
<i>o</i> -Terphenyl	82		50 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-359481/22-A
Matrix: Water
Analysis Batch: 359777

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 359481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		06/17/21 08:30	06/19/21 19:14	5

Lab Sample ID: LCS 580-359481/23-A
Matrix: Water
Analysis Batch: 359777

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 359481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	976		ug/L		98	80 - 120

Lab Sample ID: LCSD 580-359481/24-A
Matrix: Water
Analysis Batch: 359777

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 359481

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	1000	973		ug/L		97	80 - 120	0	20

Lab Sample ID: MB 580-358988/16-B
Matrix: Water
Analysis Batch: 359769

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 359069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.0	0.20	ug/L		06/12/21 09:11	06/19/21 07:11	5

Lab Sample ID: LCS 580-358988/17-B
Matrix: Water
Analysis Batch: 359769

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 359069

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

Lab Sample ID: LCSD 580-358988/18-B
Matrix: Water
Analysis Batch: 359769

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 359069

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	1000	1010		ug/L		101	80 - 120	0	20

Eurofins FGS, Seattle

QC Association Summary

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

Job ID: 580-103729-1

GC/MS VOA

Analysis Batch: 359366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-8	MW-11_25.12_20210609	Total/NA	Water	8260D	
580-103729-9	MW-12_26.11_20210609	Total/NA	Water	8260D	
MB 580-359366/7	Method Blank	Total/NA	Water	8260D	
LCS 580-359366/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-359366/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 359666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Total/NA	Water	8260D	
580-103729-2	MW-1_25.76_20210609	Total/NA	Water	8260D	
580-103729-3	MW-2_25.45_20210609	Total/NA	Water	8260D	
580-103729-4	MW-3_24.63_20210609	Total/NA	Water	8260D	
MB 580-359666/7	Method Blank	Total/NA	Water	8260D	
LCS 580-359666/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-359666/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 359870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-5	MW-4_25.28_20210609	Total/NA	Water	8260D	
580-103729-6	MW-6_24.83_20210609	Total/NA	Water	8260D	
580-103729-7	MW-9_23.02_20210609	Total/NA	Water	8260D	
580-103729-10	Trip Blank_20210609	Total/NA	Water	8260D	
MB 580-359870/8	Method Blank	Total/NA	Water	8260D	
LCS 580-359870/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-359870/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 359941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-5 - DL	MW-4_25.28_20210609	Total/NA	Water	8260D	
580-103729-6 - RA	MW-6_24.83_20210609	Total/NA	Water	8260D	
MB 580-359941/8	Method Blank	Total/NA	Water	8260D	
LCS 580-359941/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-359941/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 360086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-5 - DL2	MW-4_25.28_20210609	Total/NA	Water	8260D	
580-103729-6 - RA2	MW-6_24.83_20210609	Total/NA	Water	8260D	
580-103729-7 - RA	MW-9_23.02_20210609	Total/NA	Water	8260D	
MB 580-360086/7	Method Blank	Total/NA	Water	8260D	
LCS 580-360086/4	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 359152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Total/NA	Water	3510C	
580-103729-2	MW-1_25.76_20210609	Total/NA	Water	3510C	
580-103729-3	MW-2_25.45_20210609	Total/NA	Water	3510C	
580-103729-4	MW-3_24.63_20210609	Total/NA	Water	3510C	
580-103729-5 - DL	MW-4_25.28_20210609	Total/NA	Water	3510C	

Eurofins FGS, Seattle

QC Association Summary

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

Job ID: 580-103729-1

GC/MS Semi VOA (Continued)

Prep Batch: 359152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-5	MW-4_25.28_20210609	Total/NA	Water	3510C	
580-103729-7	MW-9_23.02_20210609	Total/NA	Water	3510C	
580-103729-8	MW-11_25.12_20210609	Total/NA	Water	3510C	
580-103729-9	MW-12_26.11_20210609	Total/NA	Water	3510C	
MB 580-359152/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-359152/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-359152/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 359526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Total/NA	Water	8270E SIM	359152
580-103729-2	MW-1_25.76_20210609	Total/NA	Water	8270E SIM	359152
580-103729-3	MW-2_25.45_20210609	Total/NA	Water	8270E SIM	359152
580-103729-4	MW-3_24.63_20210609	Total/NA	Water	8270E SIM	359152
580-103729-5	MW-4_25.28_20210609	Total/NA	Water	8270E SIM	359152
580-103729-7	MW-9_23.02_20210609	Total/NA	Water	8270E SIM	359152
580-103729-8	MW-11_25.12_20210609	Total/NA	Water	8270E SIM	359152
580-103729-9	MW-12_26.11_20210609	Total/NA	Water	8270E SIM	359152
MB 580-359152/1-A	Method Blank	Total/NA	Water	8270E SIM	359152
LCS 580-359152/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	359152
LCSD 580-359152/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	359152

Analysis Batch: 360167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-5 - DL	MW-4_25.28_20210609	Total/NA	Water	8270E SIM	359152

GC VOA

Analysis Batch: 359751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-2	MW-1_25.76_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-3	MW-2_25.45_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-4	MW-3_24.63_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-5	MW-4_25.28_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-6	MW-6_24.83_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-7	MW-9_23.02_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-8	MW-11_25.12_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-9	MW-12_26.11_20210609	Total/NA	Water	NWTPH-Gx	
580-103729-10	Trip Blank_20210609	Total/NA	Water	NWTPH-Gx	
MB 580-359751/3	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-359751/4	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-359751/5	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 359373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Total/NA	Water	3510C	
580-103729-2	MW-1_25.76_20210609	Total/NA	Water	3510C	
580-103729-3	MW-2_25.45_20210609	Total/NA	Water	3510C	
580-103729-4	MW-3_24.63_20210609	Total/NA	Water	3510C	

Eurofins FGS, Seattle

QC Association Summary

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

Job ID: 580-103729-1

GC Semi VOA (Continued)

Prep Batch: 359373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 580-359373/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-359373/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-359373/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 359414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Total/NA	Water	NWTPH-Dx	359373
580-103729-2	MW-1_25.76_20210609	Total/NA	Water	NWTPH-Dx	359373
580-103729-3	MW-2_25.45_20210609	Total/NA	Water	NWTPH-Dx	359373
580-103729-4	MW-3_24.63_20210609	Total/NA	Water	NWTPH-Dx	359373
LCS 580-359373/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	359373
LCSD 580-359373/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	359373

Prep Batch: 359620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-8	MW-11_25.12_20210609	Total/NA	Water	3510C	
580-103729-9	MW-12_26.11_20210609	Total/NA	Water	3510C	
MB 580-359620/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-359620/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-359620/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 359761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-5	MW-4_25.28_20210609	Total/NA	Water	3510C	
580-103729-7	MW-9_23.02_20210609	Total/NA	Water	3510C	
MB 580-359761/1-A	Method Blank	Total/NA	Water	3510C	
LCS 580-359761/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-359761/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 359765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-8	MW-11_25.12_20210609	Total/NA	Water	NWTPH-Dx	359620
580-103729-9	MW-12_26.11_20210609	Total/NA	Water	NWTPH-Dx	359620
MB 580-359620/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	359620
LCS 580-359620/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	359620
LCSD 580-359620/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	359620

Analysis Batch: 359855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-5	MW-4_25.28_20210609	Total/NA	Water	NWTPH-Dx	359761
580-103729-7	MW-9_23.02_20210609	Total/NA	Water	NWTPH-Dx	359761
MB 580-359373/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	359373
MB 580-359761/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	359761
LCS 580-359761/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	359761
LCSD 580-359761/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	359761

Metals

Filtration Batch: 358988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Dissolved	Water	FILTRATION	

Eurofins FGS, Seattle

QC Association Summary

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

Job ID: 580-103729-1

Metals (Continued)

Filtration Batch: 358988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-2	MW-1_25.76_20210609	Dissolved	Water	FILTRATION	
580-103729-3	MW-2_25.45_20210609	Dissolved	Water	FILTRATION	
580-103729-4	MW-3_24.63_20210609	Dissolved	Water	FILTRATION	
580-103729-5	MW-4_25.28_20210609	Dissolved	Water	FILTRATION	
580-103729-7	MW-9_23.02_20210609	Dissolved	Water	FILTRATION	
580-103729-8	MW-11_25.12_20210609	Dissolved	Water	FILTRATION	
580-103729-9	MW-12_26.11_20210609	Dissolved	Water	FILTRATION	
MB 580-358988/16-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-358988/17-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-358988/18-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Prep Batch: 359069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Dissolved	Water	3005A	358988
580-103729-2	MW-1_25.76_20210609	Dissolved	Water	3005A	358988
580-103729-3	MW-2_25.45_20210609	Dissolved	Water	3005A	358988
580-103729-4	MW-3_24.63_20210609	Dissolved	Water	3005A	358988
580-103729-5	MW-4_25.28_20210609	Dissolved	Water	3005A	358988
580-103729-7	MW-9_23.02_20210609	Dissolved	Water	3005A	358988
580-103729-8	MW-11_25.12_20210609	Dissolved	Water	3005A	358988
580-103729-9	MW-12_26.11_20210609	Dissolved	Water	3005A	358988
MB 580-358988/16-B	Method Blank	Dissolved	Water	3005A	358988
LCS 580-358988/17-B	Lab Control Sample	Dissolved	Water	3005A	358988
LCSD 580-358988/18-B	Lab Control Sample Dup	Dissolved	Water	3005A	358988

Prep Batch: 359481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Total Recoverable	Water	3005A	
580-103729-2	MW-1_25.76_20210609	Total Recoverable	Water	3005A	
580-103729-3	MW-2_25.45_20210609	Total Recoverable	Water	3005A	
580-103729-4	MW-3_24.63_20210609	Total Recoverable	Water	3005A	
580-103729-5	MW-4_25.28_20210609	Total Recoverable	Water	3005A	
580-103729-7	MW-9_23.02_20210609	Total Recoverable	Water	3005A	
580-103729-8	MW-11_25.12_20210609	Total Recoverable	Water	3005A	
580-103729-9	MW-12_26.11_20210609	Total Recoverable	Water	3005A	
MB 580-359481/22-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-359481/23-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-359481/24-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 359769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Dissolved	Water	6020B	359069
580-103729-2	MW-1_25.76_20210609	Dissolved	Water	6020B	359069
580-103729-3	MW-2_25.45_20210609	Dissolved	Water	6020B	359069
580-103729-4	MW-3_24.63_20210609	Dissolved	Water	6020B	359069
580-103729-5	MW-4_25.28_20210609	Dissolved	Water	6020B	359069
580-103729-7	MW-9_23.02_20210609	Dissolved	Water	6020B	359069
580-103729-8	MW-11_25.12_20210609	Dissolved	Water	6020B	359069
580-103729-9	MW-12_26.11_20210609	Dissolved	Water	6020B	359069
MB 580-358988/16-B	Method Blank	Dissolved	Water	6020B	359069
LCS 580-358988/17-B	Lab Control Sample	Dissolved	Water	6020B	359069

Eurofins FGS, Seattle

QC Association Summary

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

Job ID: 580-103729-1

Metals (Continued)

Analysis Batch: 359769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 580-358988/18-B	Lab Control Sample Dup	Dissolved	Water	6020B	359069

Analysis Batch: 359777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-103729-1	GWM-1_24.62_20210609	Total Recoverable	Water	6020B	359481
580-103729-2	MW-1_25.76_20210609	Total Recoverable	Water	6020B	359481
580-103729-3	MW-2_25.45_20210609	Total Recoverable	Water	6020B	359481
580-103729-4	MW-3_24.63_20210609	Total Recoverable	Water	6020B	359481
580-103729-5	MW-4_25.28_20210609	Total Recoverable	Water	6020B	359481
580-103729-7	MW-9_23.02_20210609	Total Recoverable	Water	6020B	359481
580-103729-8	MW-11_25.12_20210609	Total Recoverable	Water	6020B	359481
580-103729-9	MW-12_26.11_20210609	Total Recoverable	Water	6020B	359481
MB 580-359481/22-A	Method Blank	Total Recoverable	Water	6020B	359481
LCS 580-359481/23-A	Lab Control Sample	Total Recoverable	Water	6020B	359481
LCSD 580-359481/24-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	359481

Lab Chronicle

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

Job ID: 580-103729-1

Client Sample ID: GWM-1_24.62_20210609

Lab Sample ID: 580-103729-1

Date Collected: 06/09/21 15:10

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359666	06/18/21 20:08	CJ	FGS SEA
Total/NA	Prep	3510C			359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM		1	359526	06/17/21 20:04	W1T	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 17:20	JBT	FGS SEA
Total/NA	Prep	3510C			359373	06/16/21 09:13	N1B	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	359414	06/16/21 23:22	ADB	FGS SEA
Dissolved	Filtration	FILTRATION			358988	06/11/21 12:00	TMH	FGS SEA
Dissolved	Prep	3005A			359069	06/12/21 09:10	TMH	FGS SEA
Dissolved	Analysis	6020B		5	359769	06/19/21 08:08	FCW	FGS SEA
Total Recoverable	Prep	3005A			359481	06/17/21 08:30	JCP	FGS SEA
Total Recoverable	Analysis	6020B		5	359777	06/19/21 20:27	FCW	FGS SEA

Client Sample ID: MW-1_25.76_20210609

Lab Sample ID: 580-103729-2

Date Collected: 06/09/21 11:50

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359666	06/18/21 20:33	CJ	FGS SEA
Total/NA	Prep	3510C			359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM		1	359526	06/17/21 20:26	W1T	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 17:44	JBT	FGS SEA
Total/NA	Prep	3510C			359373	06/16/21 09:13	N1B	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	359414	06/16/21 23:42	ADB	FGS SEA
Dissolved	Filtration	FILTRATION			358988	06/11/21 12:00	TMH	FGS SEA
Dissolved	Prep	3005A			359069	06/12/21 09:10	TMH	FGS SEA
Dissolved	Analysis	6020B		5	359769	06/19/21 08:12	FCW	FGS SEA
Total Recoverable	Prep	3005A			359481	06/17/21 08:30	JCP	FGS SEA
Total Recoverable	Analysis	6020B		5	359777	06/19/21 20:31	FCW	FGS SEA

Client Sample ID: MW-2_25.45_20210609

Lab Sample ID: 580-103729-3

Date Collected: 06/09/21 09:15

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359666	06/18/21 20:59	CJ	FGS SEA
Total/NA	Prep	3510C			359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM		1	359526	06/17/21 20:49	W1T	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 18:09	JBT	FGS SEA
Total/NA	Prep	3510C			359373	06/16/21 09:13	N1B	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	359414	06/17/21 00:02	ADB	FGS SEA
Dissolved	Filtration	FILTRATION			358988	06/11/21 12:00	TMH	FGS SEA
Dissolved	Prep	3005A			359069	06/12/21 09:11	TMH	FGS SEA
Dissolved	Analysis	6020B		5	359769	06/19/21 08:16	FCW	FGS SEA
Total Recoverable	Prep	3005A			359481	06/17/21 08:30	JCP	FGS SEA
Total Recoverable	Analysis	6020B		5	359777	06/19/21 20:35	FCW	FGS SEA

Eurofins FGS, Seattle

Lab Chronicle

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

Job ID: 580-103729-1

Client Sample ID: MW-3_24.63_20210609

Lab Sample ID: 580-103729-4

Date Collected: 06/09/21 10:00

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359666	06/18/21 21:23	CJ	FGS SEA
Total/NA	Prep	3510C			359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM		1	359526	06/17/21 21:11	W1T	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 18:57	JBT	FGS SEA
Total/NA	Prep	3510C			359373	06/16/21 09:13	N1B	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	359414	06/17/21 00:22	ADB	FGS SEA
Dissolved	Filtration	FILTRATION			358988	06/11/21 12:00	TMH	FGS SEA
Dissolved	Prep	3005A			359069	06/12/21 09:11	TMH	FGS SEA
Dissolved	Analysis	6020B		5	359769	06/19/21 08:20	FCW	FGS SEA
Total Recoverable	Prep	3005A			359481	06/17/21 08:30	JCP	FGS SEA
Total Recoverable	Analysis	6020B		5	359777	06/19/21 19:17	FCW	FGS SEA

Client Sample ID: MW-4_25.28_20210609

Lab Sample ID: 580-103729-5

Date Collected: 06/09/21 10:40

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359870	06/21/21 21:36	RJF	FGS SEA
Total/NA	Analysis	8260D	DL	10	359941	06/22/21 15:27	RJF	FGS SEA
Total/NA	Analysis	8260D	DL2	1	360086	06/23/21 19:52	JSM	FGS SEA
Total/NA	Prep	3510C			359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM		1	359526	06/17/21 21:34	W1T	FGS SEA
Total/NA	Prep	3510C	DL		359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM	DL	50	360167	06/24/21 12:02	E1L	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 19:22	JBT	FGS SEA
Total/NA	Prep	3510C			359761	06/20/21 14:56	JBT	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	359855	06/21/21 13:12	ADB	FGS SEA
Dissolved	Filtration	FILTRATION			358988	06/11/21 12:00	TMH	FGS SEA
Dissolved	Prep	3005A			359069	06/12/21 09:11	TMH	FGS SEA
Dissolved	Analysis	6020B		5	359769	06/19/21 08:23	FCW	FGS SEA
Total Recoverable	Prep	3005A			359481	06/17/21 08:30	JCP	FGS SEA
Total Recoverable	Analysis	6020B		5	359777	06/19/21 20:54	FCW	FGS SEA

Client Sample ID: MW-6_24.83_20210609

Lab Sample ID: 580-103729-6

Date Collected: 06/09/21 15:45

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359870	06/21/21 22:00	RJF	FGS SEA
Total/NA	Analysis	8260D	RA	1	359941	06/22/21 15:52	RJF	FGS SEA
Total/NA	Analysis	8260D	RA2	1	360086	06/23/21 20:19	JSM	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 19:46	JBT	FGS SEA

Eurofins FGS, Seattle

Lab Chronicle

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

Job ID: 580-103729-1

Client Sample ID: MW-9_23.02_20210609

Lab Sample ID: 580-103729-7

Date Collected: 06/09/21 17:10

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359870	06/21/21 22:25	RJF	FGS SEA
Total/NA	Analysis	8260D	RA	1	360086	06/23/21 20:43	JSM	FGS SEA
Total/NA	Prep	3510C			359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM		1	359526	06/17/21 21:57	W1T	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 20:10	JBT	FGS SEA
Total/NA	Prep	3510C			359761	06/20/21 14:56	JBT	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	359855	06/21/21 13:32	ADB	FGS SEA
Dissolved	Filtration	FILTRATION			358988	06/11/21 12:00	TMH	FGS SEA
Dissolved	Prep	3005A			359069	06/12/21 09:11	TMH	FGS SEA
Dissolved	Analysis	6020B		5	359769	06/19/21 08:31	FCW	FGS SEA
Total Recoverable	Prep	3005A			359481	06/17/21 08:30	JCP	FGS SEA
Total Recoverable	Analysis	6020B		5	359777	06/19/21 20:58	FCW	FGS SEA

Client Sample ID: MW-11_25.12_20210609

Lab Sample ID: 580-103729-8

Date Collected: 06/09/21 12:45

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359366	06/16/21 13:08	RJF	FGS SEA
Total/NA	Prep	3510C			359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM		1	359526	06/17/21 22:19	W1T	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 20:35	JBT	FGS SEA
Total/NA	Prep	3510C			359620	06/18/21 09:48	JHR	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	359765	06/18/21 22:51	W1T	FGS SEA
Dissolved	Filtration	FILTRATION			358988	06/11/21 12:00	TMH	FGS SEA
Dissolved	Prep	3005A			359069	06/12/21 09:11	TMH	FGS SEA
Dissolved	Analysis	6020B		5	359769	06/19/21 11:32	FCW	FGS SEA
Total Recoverable	Prep	3005A			359481	06/17/21 08:30	JCP	FGS SEA
Total Recoverable	Analysis	6020B		5	359777	06/19/21 21:02	FCW	FGS SEA

Client Sample ID: MW-12_26.11_20210609

Lab Sample ID: 580-103729-9

Date Collected: 06/09/21 14:00

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359366	06/16/21 13:34	RJF	FGS SEA
Total/NA	Prep	3510C			359152	06/14/21 09:51	PMS	FGS SEA
Total/NA	Analysis	8270E SIM		1	359526	06/17/21 22:42	W1T	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 20:59	JBT	FGS SEA
Total/NA	Prep	3510C			359620	06/18/21 09:48	JHR	FGS SEA
Total/NA	Analysis	NWTPH-Dx		1	359765	06/18/21 23:10	W1T	FGS SEA
Dissolved	Filtration	FILTRATION			358988	06/11/21 12:00	TMH	FGS SEA
Dissolved	Prep	3005A			359069	06/12/21 09:11	TMH	FGS SEA
Dissolved	Analysis	6020B		5	359769	06/19/21 11:20	FCW	FGS SEA

Eurofins FGS, Seattle

Lab Chronicle

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

Job ID: 580-103729-1

Client Sample ID: MW-12_26.11_20210609

Lab Sample ID: 580-103729-9

Date Collected: 06/09/21 14:00

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			359481	06/17/21 08:30	JCP	FGS SEA
Total Recoverable	Analysis	6020B		5	359777	06/19/21 21:06	FCW	FGS SEA

Client Sample ID: Trip Blank_20210609

Lab Sample ID: 580-103729-10

Date Collected: 06/09/21 00:01

Matrix: Water

Date Received: 06/10/21 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	359870	06/21/21 23:39	RJF	FGS SEA
Total/NA	Analysis	NWTPH-Gx		1	359751	06/20/21 16:07	JBT	FGS SEA

Laboratory References:

FGS SEA = Eurofins FGS, 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: 580-103729-1

Laboratory: Eurofins FGS, Seattle

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-21

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

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	1,3-Butadiene
8260D		Water	Hexane

Method Summary

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

Job ID: 580-103729-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	FGS SEA
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	FGS SEA
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	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 FGS, 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: 580-103729-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-103729-1	GWM-1_24.62_20210609	Water	06/09/21 15:10	06/10/21 12:00	
580-103729-2	MW-1_25.76_20210609	Water	06/09/21 11:50	06/10/21 12:00	
580-103729-3	MW-2_25.45_20210609	Water	06/09/21 09:15	06/10/21 12:00	
580-103729-4	MW-3_24.63_20210609	Water	06/09/21 10:00	06/10/21 12:00	
580-103729-5	MW-4_25.28_20210609	Water	06/09/21 10:40	06/10/21 12:00	
580-103729-6	MW-6_24.83_20210609	Water	06/09/21 15:45	06/10/21 12:00	
580-103729-7	MW-9_23.02_20210609	Water	06/09/21 17:10	06/10/21 12:00	
580-103729-8	MW-11_25.12_20210609	Water	06/09/21 12:45	06/10/21 12:00	
580-103729-9	MW-12_26.11_20210609	Water	06/09/21 14:00	06/10/21 12:00	
580-103729-10	Trip Blank_20210609	Water	06/09/21 00:01	06/10/21 12:00	

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

Page 1 of 2

BP Site Node Path: Former BP 11060

BP/RM Facility No: Former BP Facility No. 11060

Req Due Date (mm/dd/yy): Standard TAT Rush TAT Yes No X
Lab Work Order Number: 103729

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:													
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 Acct:				Enfos Proposal No: WR851166/00C22-0002				Phone: 425-498-7711		Email: Megan.Richard@anteagroup.us											
Lab Bottle Order No:				Accounting Mode: Provision <u>X</u> OOC-BU OOC-RM				Send/Submit EDD to: Megan.Richard@anteagroup.us													
Other Info: M.Elaine.Walker@Eurofinset.com				Stage 2_Select (20)		Activity Additional Data Collection (100)		Invoice To: BP-RM BP/ARC X													
BP/RM PM: Wade Melton				Sample Details				Requested Analyses				Report Type & QC Level									
												Limited (Standard) Package									
PM Phone: 360--594-7978												Limited Plus Package									
PM Email: wade.melton@bp.com												Full Package									
Lab No.	Sample Description	Date	Time	Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	BTEX by EPA 8260	MTBE by EPA 8260	NWTPH-Gx	NWTPH-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	EDB by EPA 8011	PAHs	Select VOCs by EPA 8260		
-1	GWM-1-24.62-20210609	6/9/21	1155	W				G			X	X	X	X	X	X		X	X		
	MW-1-25.76-20210609	6/9/21	1150	W				G			X	X	X	X	X	X		X	X		
-3	MW-2-25.45-20210609	6/9/21	0915	W				G			X	X	X	X	X	X		X	X		
	MW-3-24.63-20210609	6/9/21	1000	W				G			X	X	X	X	X	X		X	X		
-5	MW-4-25.28-20210609	6/9/21	1040	W				G			X	X	X	X	X	X		X	X		
	MW-5-26.70-20210609	6/9/21		W				G			X	X	X	X	X	X		X	X		
	MW-6-24.83-20210609	6/9/21	1545	W				G			X	X	X	X	X	X		X	X	only have 6 voas	
Sampler's Name: N Han K Younger				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time						
Sampler's Company: Antea Group				N Han K Younger / Antea Group				6/10/21	1200	EFGS				6/10/21	12:00						
Ship Method: Courier 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 IS FOR USE ONLY - Customs Seals In

Therm. ID: A2 Cor: 4.8 ° Unc: 4.9 ° Therm. ID: A2 Cor: 5.4 ° Unc: 5.5 ° on Receipt: _____ ° F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Cooler Desc: Lab B1 Cooler Desc: Lab B1

Packing: Bulb FedEx: _____ Packing: Bulb FedEx: _____

Cust. Seal: Yes X No _____ UPS: _____ Cust. Seal: Yes X No _____

Blue Ice: Wet Dry, None Lab Cour: X Blue Ice: Wet Dry, None Lab Cour: X

Other: _____ Other: Page 49 of 75

BP LaMP Soil/H2O COC July 2018

6



Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

Page 2 of 2

BP Site Node Path: Former BP 11060

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

Rush TAT Yes No X

BP/RM Facility No: Former BP Facility No. 11060

Lab Work Order Number:

103729

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:	
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 Acont:		Enfos Proposal No: WR851166/00C22-0002		Phone: 425-498-7711 Email: Megan.Richard@anteagroup.us	
Lab Bottle Order No:		Accounting Mode: Provision <u>X</u> OOC-BU <u> </u> OOC-RM <u> </u>		Send/Submit EDD to: Megan.Richard@anteagroup.us	
Other Info: M.Elaine.Walker@Eurofinset.com		Stage <u>2_Select (20)</u> Activity <u>Additional Data Collection (100)</u>		Invoice To: BP-RM <u> </u> BP/ARC <u>X</u>	
BP/RM PM: Wade Melton		Sample Details		Requested Analyses	
PM Phone: 360--594-7978					
PM Email: wade.melton@bp.com					
Lab No.	Sample Description	Date	Time	Field Matrix	Comments
				Start Depth	
				End Depth	
				Depth Unit	
				Grab (G) or Composite (C)	
				Total Number of Containers	
				Analysis	
				BTEX by EPA 8260	
				MTBE by EPA 8260	
				NWTPH-Gx	
				NWTPH-Dx	
				Pb-T by EPA 6020	
				Pb-D by EPA 6020	
				EDB by EPA 8011	
				PAHs	
				Select VOCs by EPA 8260	
-7	MW-9 -13.02-20210609	6/9/21	1710	W	
	MW-11 -25.12-20210609	6/9/21	1245	W	
-9	MW-12 -26.11-20210609	6/9/21	1400	W	
	Dup 1			W	
	Trip Blank -20210609	6/9/21	0000	W	
Sampler's Name: <u>N Han + K Younger</u>		Relinquished By / Affiliation		Date	Time
Sampler's Company: Antea Group		<u>Patricia H / Antea</u>		<u>6/10/21</u>	<u>1200</u>
Ship Method: <u>Courier</u> Ship Date:					
Shipment Tracking No:					
Accepted By / Affiliation		Date	Time		
<u>[Signature] EFG</u>		<u>6/10/21</u>	<u>12:00</u>		
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

Temperature readings:

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u>			<u>Preservative</u>
			<u>pH</u>	<u>Temp</u>	<u>Added (mls)</u>	
GWM-1_24.62_20210609	580-103729-A-1	Voa Vial 40ml - HCL/rubber septa				0304201G/602
GWM-1_24.62_20210609	580-103729-B-1	Voa Vial 40ml - HCL/rubber septa				0304201G/602
GWM-1_24.62_20210609	580-103729-C-1	Voa Vial 40ml - HCL/rubber septa				0304201G/602
GWM-1_24.62_20210609	580-103729-D-1	Voa Vial 40ml - HCL/rubber septa				0304201G/602
GWM-1_24.62_20210609	580-103729-E-1	Voa Vial 40ml - HCL/rubber septa				0304201G/602
GWM-1_24.62_20210609	580-103729-F-1	Voa Vial 40ml - HCL/rubber septa				0304201G/602
GWM-1_24.62_20210609	580-103729-G-1	Amber Glass 250mL - hydrochloric acid	✓2			0303501G/602
GWM-1_24.62_20210609	580-103729-H-1	Amber Glass 250mL - hydrochloric acid	✓2			0303501G/602
GWM-1_24.62_20210609	580-103729-I-1	Amber Glass 250ml - unpreserved				0303501G
GWM-1_24.62_20210609	580-103729-J-1	Amber Glass 250ml - unpreserved				0303501G
GWM-1_24.62_20210609	580-103729-K-1	Plastic 250ml – unpreserved - dis				0400401G
GWM-1_24.62_20210609	580-103729-L-1	Plastic 250ml - with Nitric Acid	✓2			0400401G/000
MW-1_25.76_20210609	580-103729-A-2	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-1_25.76_20210609	580-103729-B-2	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-1_25.76_20210609	580-103729-C-2	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-1_25.76_20210609	580-103729-D-2	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-1_25.76_20210609	580-103729-E-2	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-1_25.76_20210609	580-103729-F-2	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-1_25.76_20210609	580-103729-G-2	Amber Glass 250mL - hydrochloric acid	✓2			0303501G/602
MW-1_25.76_20210609	580-103729-H-2	Amber Glass 250mL - hydrochloric acid	✓2			0303501G/602
MW-1_25.76_20210609	580-103729-I-2	Amber Glass 250ml - unpreserved				0303501G
MW-1_25.76_20210609	580-103729-J-2	Amber Glass 250ml - unpreserved				0303501G
MW-1_25.76_20210609	580-103729-K-2	Plastic 250ml – unpreserved - dis				0400401G
MW-1_25.76_20210609	580-103729-L-2	Plastic 250ml - with Nitric Acid	✓2			0400401G/000
MW-2_25.45_20210609	580-103729-A-3	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-2_25.45_20210609	580-103729-B-3	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-2_25.45_20210609	580-103729-C-3	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-2_25.45_20210609	580-103729-D-3	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-2_25.45_20210609	580-103729-E-3	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-2_25.45_20210609	580-103729-F-3	Voa Vial 40ml - HCL/rubber septa				0304201G/602
MW-2_25.45_20210609	580-103729-G-3	Amber Glass 250mL - hydrochloric acid	✓2			0303501G/602
MW-2_25.45_20210609	580-103729-H-3	Amber Glass 250mL - hydrochloric acid	✓2			0303501G/602
MW-2_25.45_20210609	580-103729-I-3	Amber Glass 250ml - unpreserved				0303501G
MW-2_25.45_20210609	580-103729-J-3	Amber Glass 250ml - unpreserved				0303501G
MW-2_25.45_20210609	580-103729-K-3	Plastic 250ml – unpreserved - dis				0400401G

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> pH <u>Temp</u>	<u>Preservative</u> <u>Added (mls)</u> <u>Lot #</u>
MW-2_25.45_20210609	580-103729-L-3	Plastic 250ml - with Nitric Acid	✓2	0400401G/000
MW-3_24.63_20210609	580-103729-A-4	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-3_24.63_20210609	580-103729-B-4	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-3_24.63_20210609	580-103729-C-4	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-3_24.63_20210609	580-103729-D-4	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-3_24.63_20210609	580-103729-E-4	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-3_24.63_20210609	580-103729-F-4	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-3_24.63_20210609	580-103729-G-4	Amber Glass 250mL - hydrochloric acid	✓2	0303501G/602
MW-3_24.63_20210609	580-103729-H-4	Amber Glass 250mL - hydrochloric acid	✓2	0303501G/602
MW-3_24.63_20210609	580-103729-I-4	Amber Glass 250ml - unpreserved		0303501G
MW-3_24.63_20210609	580-103729-J-4	Amber Glass 250ml - unpreserved		0303501G
MW-3_24.63_20210609	580-103729-K-4	Plastic 250ml – unpreserved - dis		0400401G
MW-3_24.63_20210609	580-103729-L-4	Plastic 250ml - with Nitric Acid	✓2	0400401G/000
MW4_25.28_20210609	580-103729-A-5	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW4_25.28_20210609	580-103729-B-5	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW4_25.28_20210609	580-103729-C-5	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW4_25.28_20210609	580-103729-D-5	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW4_25.28_20210609	580-103729-E-5	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW4_25.28_20210609	580-103729-F-5	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW4_25.28_20210609	580-103729-G-5	Amber Glass 250mL - hydrochloric acid	✓2	0303501G/602
MW4_25.28_20210609	580-103729-H-5	Amber Glass 250mL - hydrochloric acid	✓2	0303501G/602
MW4_25.28_20210609	580-103729-I-5	Amber Glass 250ml - unpreserved		0303501G
MW4_25.28_20210609	580-103729-J-5	Amber Glass 250ml - unpreserved		0303501G
MW4_25.28_20210609	580-103729-K-5	Plastic 250ml – unpreserved - dis		0400401G
MW4_25.28_20210609	580-103729-L-5	Plastic 250ml - with Nitric Acid	✓2	0400401G/000
MW-6_24.83_20210609	580-103729-A-6	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-6_24.83_20210609	580-103729-B-6	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-6_24.83_20210609	580-103729-C-6	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-6_24.83_20210609	580-103729-D-6	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-6_24.83_20210609	580-103729-E-6	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-6_24.83_20210609	580-103729-F-6	Voa Vial 40ml - HCL/rubber septa		0304201G/602
MW-6_24.83_20210609	580-103729-G-6	Amber Glass 250mL - hydrochloric acid	✓2	0303501G/602
MW-6_24.83_20210609	580-103729-H-6	Amber Glass 250mL - hydrochloric acid	✓2	0303501G/602
MW-6_24.83_20210609	580-103729-I-6	Amber Glass 250ml - unpreserved		0303501G
MW-6_24.83_20210609	580-103729-J-6	Amber Glass 250ml - unpreserved		0303501G
MW-6_24.83_20210609	580-103729-K-6	Plastic 250ml – unpreserved - dis		0400401G
MW-6_24.83_20210609	580-103729-L-6	Plastic 250ml - with Nitric Acid	✓2	0400401G/000
MW-9_23.02_20210609	580-103729-A-7	Voa Vial 40ml - HCL/rubber septa	✓2	0304201G/602



<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u>		<u>Preservative</u>
			<u>pH</u>	<u>Temp</u>	
					<u>Added (mls)</u> <u>Lot #</u>
MW-9_23.02_20210609	580-103729-B-7	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-9_23.02_20210609	580-103729-C-7	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-9_23.02_20210609	580-103729-D-7	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-9_23.02_20210609	580-103729-E-7	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-9_23.02_20210609	580-103729-F-7	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-9_23.02_20210609	580-103729-G-7	Amber Glass 250mL - hydrochloric acid	<2		0303501G/602
MW-9_23.02_20210609	580-103729-H-7	Amber Glass 250mL - hydrochloric acid	<2		0303501G/602
MW-9_23.02_20210609	580-103729-I-7	Amber Glass 250ml - unpreserved			0303501G
MW-9_23.02_20210609	580-103729-J-7	Amber Glass 250ml - unpreserved			0303501G
MW-9_23.02_20210609	580-103729-K-7	Plastic 250ml – unpreserved - dis			0400401G
MW-9_23.02_20210609	580-103729-L-7	Plastic 250ml - with Nitric Acid	<2		0400401G/000
MW-11_25.12_20210609	580-103729-A-8	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-11_25.12_20210609	580-103729-B-8	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-11_25.12_20210609	580-103729-C-8	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-11_25.12_20210609	580-103729-D-8	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-11_25.12_20210609	580-103729-E-8	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-11_25.12_20210609	580-103729-F-8	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-11_25.12_20210609	580-103729-G-8	Amber Glass 250mL - hydrochloric acid	<2		0303501G/602
MW-11_25.12_20210609	580-103729-H-8	Amber Glass 250mL - hydrochloric acid	<2		0303501G/602
MW-11_25.12_20210609	580-103729-I-8	Amber Glass 250ml - unpreserved			0303501G
MW-11_25.12_20210609	580-103729-J-8	Amber Glass 250ml - unpreserved			0303501G
MW-11_25.12_20210609	580-103729-K-8	Plastic 250ml – unpreserved - dis			0400401G
MW-11_25.12_20210609	580-103729-L-8	Plastic 250ml - with Nitric Acid	<2		0400401G/000
MW-12_26.11_20210609	580-103729-A-9	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-12_26.11_20210609	580-103729-B-9	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-12_26.11_20210609	580-103729-C-9	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-12_26.11_20210609	580-103729-D-9	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-12_26.11_20210609	580-103729-E-9	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-12_26.11_20210609	580-103729-F-9	Voa Vial 40ml - HCL/rubber septa			0304201G/602
MW-12_26.11_20210609	580-103729-G-9	Amber Glass 250mL - hydrochloric acid	<2		0303501G/602
MW-12_26.11_20210609	580-103729-H-9	Amber Glass 250mL - hydrochloric acid	<2		0303501G/602
MW-12_26.11_20210609	580-103729-I-9	Amber Glass 250ml - unpreserved			0303501G
MW-12_26.11_20210609	580-103729-J-9	Amber Glass 250ml - unpreserved			0303501G
MW-12_26.11_20210609	580-103729-K-9	Plastic 250ml – unpreserved - dis			0400401G
MW-12_26.11_20210609	580-103729-L-9	Plastic 250ml - with Nitric Acid	<2		0400401G/000
Trip Blank_20210609	580-103729-A-10	Voa Vial 40ml - HCL/rubber septa			0304201G/602
Trip Blank_20210609	580-103729-B-10	Voa Vial 40ml - HCL/rubber septa			0304201G/602
Trip Blank_20210609	580-103729-C-10	Voa Vial 40ml - HCL/rubber septa			0304201G/602

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u> <u>Temp</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
Trip Blank_20210609	580-103729-D-10	Voa Vial 40ml - HCL/rubber septa			0304201G/602



Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-103729-1

Login Number: 103729

List Source: Eurofins FGS, Seattle

List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	sampling time for -1 is missing.
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 FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359366 Batch Start Date: 06/16/21 09:22 Batch Analyst: Farrell, Ryan JBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00068	
LCS 580-359366/4		8260D		5 mL	5 mL		1 uL	10 uL	
LCSD 580-359366/5		8260D		5 mL	5 mL		1 uL	10 uL	
MB 580-359366/7		8260D		5 mL	5 mL		1 uL		
580-103729-A-8	MW-11_25.12_2021 0609	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-103729-A-9	MW-12_26.11_2021 0609	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359666 Batch Start Date: 06/18/21 14:42 Batch Analyst: Jantanu, CharinpornBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00068	
LCS 580-359666/4		8260D		5 mL	5 mL		1 uL	10 uL	
LCSD 580-359666/5		8260D		5 mL	5 mL		1 uL	10 uL	
MB 580-359666/7		8260D		5 mL	5 mL		1 uL		
580-103729-A-1	GWM-1_24.62_2021 0609	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-103729-A-2	MW-1_25.76_20210 609	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-103729-A-3	MW-2_25.45_20210 609	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-103729-A-4	MW-3_24.63_20210 609	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359870 Batch Start Date: 06/21/21 18:42 Batch Analyst: Farrell, Ryan JBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00069	AnalysisComment
LCS 580-359870/5		8260D		5 mL	5 mL		1 uL	10 uL	
LCSD 580-359870/6		8260D		5 mL	5 mL		1 uL	10 uL	
MB 580-359870/8		8260D		5 mL	5 mL		1 uL		
580-103729-A-5	MW-4_25.28_20210 609	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-103729-A-6	MW-6_24.83_20210 609	8260D	T	5 mL	5 mL	<2 SU	1 uL		ICV fails VC & Butadiene
580-103729-A-7	MW-9_23.02_20210 609	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-103729-A-10	Trip Blank 20210609	8260D	T	5 mL	5 mL	<2 SU	1 uL		

Batch Notes	

Basis	Basis Description
T	Total/NA

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

8260D

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359941 Batch Start Date: 06/22/21 11:33 Batch Analyst: Farrell, Ryan JBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	5X SUR/IS 00003	VOAMasterMix 00069	AnalysisComment
LCS 580-359941/5		8260D		5 mL	5 mL		1 uL	10 uL	
LCSD 580-359941/6		8260D		5 mL	5 mL		1 uL	10 uL	
MB 580-359941/8		8260D		5 mL	5 mL		1 uL		
580-103729-B-5	MW-4_25.28_20210 609	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-103729-B-6	MW-6_24.83_20210 609	8260D	T	5 mL	5 mL	<2 SU	1 uL		rerunning ICV failed VC

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

Page 1 of 1

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 360086 Batch Start Date: 06/23/21 15:04 Batch Analyst: McKell, Justin SBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	5X SUR/IS 00003	VOAMasterMix 00070	VOASTDGASweek 00078	
LCS 580-360086/4		8260D		5 mL	5 mL	1 uL	10 uL	10 uL	
MB 580-360086/7		8260D		5 mL	5 mL	1 uL			
580-103729-C-5	MW-4_25.28_20210 609	8260D	T	5 mL	5 mL	1 uL			
580-103729-C-6	MW-6_24.83_20210 609	8260D	T	5 mL	5 mL	1 uL			
580-103729-B-7	MW-9_23.02_20210 609	8260D	T	5 mL	5 mL	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.

8260D

Page 1 of 1

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle

Job No.: 580-103729-1

SDG No.:

Batch Number: 359152

Batch Start Date: 06/14/21 09:51

Batch Analyst: Stacey, Paul M

Batch Method: 3510C

Batch End Date: 06/14/21 17:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-359152/1		3510C, 8270E SIM				250 mL	1 mL	7 SU	2 SU
LCS 580-359152/2		3510C, 8270E SIM				250 mL	1 mL	7 SU	2 SU
LCSD 580-359152/3		3510C, 8270E SIM				250 mL	1 mL	7 SU	2 SU
580-103729-I-1	GWM-1_24.62_2021 0609	3510C, 8270E SIM	T	00411.83 g	00167.30 g	244.5 mL	1 mL	7 SU	2 SU
580-103729-G-2	MW-1_25.76_20210 609	3510C, 8270E SIM	T	00411.29 g	00164.49 g	246.8 mL	1 mL	7 SU	2 SU
580-103729-J-3	MW-2_25.45_20210 609	3510C, 8270E SIM	T	00414.64 g	00167.51 g	247.1 mL	1 mL	7 SU	2 SU
580-103729-H-4	MW-3_24.63_20210 609	3510C, 8270E SIM	T	00412.74 g	00166.10 g	246.6 mL	1 mL	7 SU	2 SU
580-103729-H-5	MW-4_25.28_20210 609	3510C, 8270E SIM	T	00413.51 g	00167.32 g	246.2 mL	1 mL	7 SU	2 SU
580-103729-J-7	MW-9_23.02_20210 609	3510C, 8270E SIM	T	00411.25 g	00168.28 g	243 mL	1 mL	7 SU	2 SU
580-103729-H-8	MW-11_25.12_2021 0609	3510C, 8270E SIM	T	00412.81 g	00165.98 g	246.8 mL	1 mL	7 SU	2 SU
580-103729-H-9	MW-12_26.11_2021 0609	3510C, 8270E SIM	T	00413.20 g	00166.19 g	247 mL	1 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00280	8270waterSurr 00100			
MB 580-359152/1		3510C, 8270E SIM		N/A SU		100 uL			
LCS 580-359152/2		3510C, 8270E SIM		N/A SU	50 uL	100 uL			
LCSD 580-359152/3		3510C, 8270E SIM		N/A SU	50 uL	100 uL			
580-103729-I-1	GWM-1_24.62_2021 0609	3510C, 8270E SIM	T	N/A SU		100 uL			
580-103729-G-2	MW-1_25.76_20210 609	3510C, 8270E SIM	T	N/A SU		100 uL			
580-103729-J-3	MW-2_25.45_20210 609	3510C, 8270E SIM	T	N/A SU		100 uL			
580-103729-H-4	MW-3_24.63_20210 609	3510C, 8270E SIM	T	N/A SU		100 uL			
580-103729-H-5	MW-4_25.28_20210 609	3510C, 8270E SIM	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.

8270E SIM

Page 1 of 3

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359152 Batch Start Date: 06/14/21 09:51 Batch Analyst: Stacey, Paul MBatch Method: 3510C Batch End Date: 06/14/21 17:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00280	8270waterSurr 00100			
580-103729-J-7	MW-9_23.02_20210 609	3510C, 8270E SIM	T	N/A SU		100 uL			
580-103729-H-8	MW-11_25.12_2021 0609	3510C, 8270E SIM	T	N/A SU		100 uL			
580-103729-H-9	MW-12_26.11_2021 0609	3510C, 8270E SIM	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.

8270E SIM

Page 2 of 3

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359152 Batch Start Date: 06/14/21 09:51 Batch Analyst: Stacey, Paul MBatch Method: 3510C Batch End Date: 06/14/21 17:10

Batch Notes	
Acid Used for pH Adjustment ID	2815022
Balance ID	SEA 225
Batch Comment	VIALED BY JHR
Analyst ID - Concentration	PS
Concentration 1 Corrected Temperature	70.3-75.3 Degrees C
Concentration 2 Corrected Temperature	19.7 Degrees C
Equipment ID - Concentration 1	STEAM BATH 1
Equipment ID - Concentration 2	TURBOVAP 5
Analyst ID - Extraction	PS
Filter ID	2815023
Method/Fraction	3510C/3510C_LVI/8270_SIM
Na2SO4 ID	2854614
pH Indicator ID	6911002/6003004
Pipette/Syringe/Dispenser ID	MP4
Prep Solvent ID	2881868
Prep Solvent Volume Used	150 mL
Analyst ID - Spike Analyst	PS
Analyst ID - Spike Witness Analyst	AP
Sufficient Volume for Batch QC	YES
Thermometer ID - Concentration 1	61013-040-1
Thermometer ID - Concentration 2	digitalreadout
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	24162054
Reagent Water ID	DI

Basis	Basis Description
T	Total/NA

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

8270E SIM

Page 3 of 3

GC VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359751 Batch Start Date: 06/20/21 13:41 Batch Analyst: Tucker, Jonathon BBatch Method: NWTPH-Gx Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	BFBGRO ARCHON 00046	GRO_LCS 00066	
MB 580-359751/3		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-359751/4		NWTPH-Gx		5 mL	5 mL		1 uL	50 uL	
LCSD 580-359751/5		NWTPH-Gx		5 mL	5 mL		1 uL	50 uL	
580-103729-B-10	Trip Blank 20210609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		
580-103729-B-1	GWM-1_24.62_2021 0609	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-103729-B-2	MW-1_25.76_20210 609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		
580-103729-B-3	MW-2_25.45_20210 609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		
580-103729-B-4	MW-3_24.63_20210 609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		
580-103729-B-5	MW-4_25.28_20210 609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		
580-103729-B-6	MW-6_24.83_20210 609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		
580-103729-B-7	MW-9_23.02_20210 609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		
580-103729-B-8	MW-11_25.12_2021 0609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		
580-103729-C-9	MW-12_26.11_2021 0609	NWTPH-Gx	T	5 mL	5 mL	2 SU	1 uL		

Batch Notes

Basis	Basis Description
T	Total/NA

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

NWTPH-Gx

Page 1 of 1

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, SeattleJob No.: 580-103729-1

SDG No.: _____

Batch Number: 359373Batch Start Date: 06/16/21 09:13Batch Analyst: Barfield, Nate 1Batch Method: 3510CBatch End Date: 06/16/21 14:44

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-359373/1		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCS 580-359373/2		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCSD 580-359373/3		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
580-103729-H-1	GWM-1_24.62_2021 0609	3510C, NWTPH-Dx	T	00403.68 g	00165.10 g	238.6 mL	1 mL	2 SU	2 SU
580-103729-H-2	MW-1_25.76_20210 609	3510C, NWTPH-Dx	T	00412.35 g	00165.57 g	246.8 mL	1 mL	2 SU	2 SU
580-103729-H-3	MW-2_25.45_20210 609	3510C, NWTPH-Dx	T	00413.26 g	00166.77 g	246.5 mL	1 mL	2 SU	2 SU
580-103729-G-4	MW-3_24.63_20210 609	3510C, NWTPH-Dx	T	00410.97 g	00164.01 g	247 mL	1 mL	2 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00028	TPH_WaterSurr 00065			
MB 580-359373/1		3510C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-359373/2		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-359373/3		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
580-103729-H-1	GWM-1_24.62_2021 0609	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-103729-H-2	MW-1_25.76_20210 609	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-103729-H-3	MW-2_25.45_20210 609	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-103729-G-4	MW-3_24.63_20210 609	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 FGS, SeattleJob No.: 580-103729-1

SDG No.: _____

Batch Number: 359373Batch Start Date: 06/16/21 09:13Batch Analyst: Barfield, Nate 1Batch Method: 3510CBatch End Date: 06/16/21 14:44

Batch Notes	
Acid Used for pH Adjustment ID	2815022
Balance ID	SEA225
Batch Comment	Vialed by PS
Analyst ID - Concentration	NB
Concentration 1 Corrected Temperature	70.3-75.3 Degrees C
Concentration 2 Corrected Temperature	17.9 Degrees C
Equipment ID - Concentration 1	SteamBath 1
Equipment ID - Concentration 2	TurboVap 5
Analyst ID - Extraction	NB
Filter ID	2815023
Method/Fraction	3510C_LVI/TPH
Na2SO4 ID	2854614
pH Indicator ID	6003004
Pipette/Syringe/Dispenser ID	MP4
Prep Solvent ID	2881868
Prep Solvent Volume Used	100 mL
Analyst ID - Spike Analyst	NB
Analyst ID - Spike Witness Analyst	PS
Sufficient Volume for Batch QC	yes
Thermometer ID - Concentration 1	61013-040-1
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	24162054
Reagent Water ID	DI

Basis	Basis Description
T	Total/NA

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

NWTPH-Dx

Page 2 of 2

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359620 Batch Start Date: 06/18/21 09:48 Batch Analyst: Roberts, Jacob HBatch Method: 3510C Batch End Date: 06/18/21 17:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-359620/1		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCS 580-359620/2		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCSD 580-359620/3		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
580-103729-G-8	MW-11_25.12_2021 0609	3510C, NWTPH-Dx	T	412.31 g	165.53 g	246.8 mL	1 mL	2 SU	2 SU
580-103729-G-9	MW-12_26.11_2021 0609	3510C, NWTPH-Dx	T	411.55 g	165.64 g	245.9 mL	1 mL	2 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00028	TPH_WaterSurr 00065			
MB 580-359620/1		3510C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-359620/2		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-359620/3		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
580-103729-G-8	MW-11_25.12_2021 0609	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-103729-G-9	MW-12_26.11_2021 0609	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 FGS, SeattleJob No.: 580-103729-1

SDG No.: _____

Batch Number: 359620Batch Start Date: 06/18/21 09:48Batch Analyst: Roberts, Jacob HBatch Method: 3510CBatch End Date: 06/18/21 17:00

Batch Notes	
Acid Used for pH Adjustment ID	2815022
Balance ID	SEA240
Batch Comment	Vialed by : JHR
Analyst ID - Concentration	JHR
Concentration 1 Corrected Temperature	70.3-75.3 Degrees C
Concentration 2 Corrected Temperature	19.4 Degrees C
Equipment ID - Concentration 1	Steambth 1
Equipment ID - Concentration 2	Turbovap 5
Analyst ID - Extraction	NB/JHR
Filter ID	2815023
Method/Fraction	3510C_LVI/TPH
Na2SO4 ID	2854614
pH Indicator ID	6003004
Pipette/Syringe/Dispenser ID	MP4
Prep Solvent ID	2881869
Prep Solvent Volume Used	100 mL
Analyst ID - Spike Analyst	NB
Analyst ID - Spike Witness Analyst	JHR
Sufficient Volume for Batch QC	Yes
Thermometer ID - Concentration 1	61013-040-1
Thermometer ID - Concentration 2	Digital readout
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	24162054
Reagent Water ID	DI

Basis	Basis Description
T	Total/NA

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

NWTPH-Dx

Page 2 of 2

GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359761 Batch Start Date: 06/20/21 14:55 Batch Analyst: Tucker, Jonathon BBatch Method: 3510C Batch End Date: 06/20/21 21:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-359761/1		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCS 580-359761/2		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCSD 580-359761/3		3510C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
580-103729-G-5	MW-4_25.28_20210 609	3510C, NWTPH-Dx	T	00411.35 g	00166.39 g	245 mL	1 mL	2 SU	2 SU
580-103729-G-7	MW-9_23.02_20210 609	3510C, NWTPH-Dx	T	00410.01 g	00167.19 g	242.8 mL	1 mL	2 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00028	TPH_WaterSurr 00065	AnalysisComment		
MB 580-359761/1		3510C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-359761/2		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-359761/3		3510C, NWTPH-Dx		n/a SU	100 uL	100 uL	sample was spilled after reaching final volume so concentration of remaining sample is correct.		
580-103729-G-5	MW-4_25.28_20210 609	3510C, NWTPH-Dx	T	n/a SU		100 uL			
580-103729-G-7	MW-9_23.02_20210 609	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 FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359761 Batch Start Date: 06/20/21 14:55 Batch Analyst: Tucker, Jonathon BBatch Method: 3510C Batch End Date: 06/20/21 21:30

Batch Notes	
Acid Used for pH Adjustment ID	2815022
Balance ID	SEA240
Batch Comment	Vialed by JBT
Analyst ID - Concentration	JBT
Concentration 1 Corrected Temperature	70.3-75.3 Degrees C
Equipment ID - Concentration 1	Steambth 1
Equipment ID - Concentration 2	Turbovap 5
Analyst ID - Extraction	JBT
Filter ID	2815023
Method/Fraction	3510C_LVI/TPH
Na2SO4 ID	2854614
pH Indicator ID	6003004
Pipette/Syringe/Dispenser ID	MP4
Prep Solvent ID	2881869
Prep Solvent Volume Used	100 mL
Analyst ID - Spike Analyst	JBT
Analyst ID - Spike Witness Analyst	JBT
Sufficient Volume for Batch QC	Yes
Thermometer ID - Concentration 1	61013-040-1
Thermometer ID - Concentration 2	Digital readout
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	24162054
Reagent Water ID	DI

Basis	Basis Description
T	Total/NA

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

METALS BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 358988 Batch Start Date: 06/11/21 12:00 Batch Analyst: Hua, Tammy MBatch Method: FILTRATION Batch End Date: 06/11/21 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-103729-K-1	GWM-1_24.62_2021 0609	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-103729-K-2	MW-1_25.76_20210 609	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-103729-K-3	MW-2_25.45_20210 609	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-103729-K-4	MW-3_24.63_20210 609	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-103729-K-5	MW-4_25.28_20210 609	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-103729-K-7	MW-9_23.02_20210 609	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-103729-K-8	MW-11_25.12_2021 0609	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-103729-K-9	MW-12_26.11_2021 0609	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
MB 580-358988/16		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCS 580-358988/17		FILTRATION, 3005A, 6020B		250 mL	250 mL				
LCSD 580-358988/18		FILTRATION, 3005A, 6020B		250 mL	250 mL				

Batch Notes

Filter ID	1315956
Nitric Acid ID	2865223

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 FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359069 Batch Start Date: 06/12/21 09:10 Batch Analyst: Hua, Tammy MBatch Method: 3005A Batch End Date: 06/12/21 16:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00011	ICP CAL 2 00011	MET Spike 3C 00029	
580-103729-K-1-A	GWM-1_24.62_2021 0609	3005A, 6020B	D	50 mL	50 mL				
580-103729-K-2-A	MW-1_25.76_20210 609	3005A, 6020B	D	50 mL	50 mL				
580-103729-K-3-A	MW-2_25.45_20210 609	3005A, 6020B	D	50 mL	50 mL				
580-103729-K-4-A	MW-3_24.63_20210 609	3005A, 6020B	D	50 mL	50 mL				
580-103729-K-5-A	MW-4_25.28_20210 609	3005A, 6020B	D	50 mL	50 mL				
580-103729-K-7-A	MW-9_23.02_20210 609	3005A, 6020B	D	50 mL	50 mL				
580-103729-K-8-A	MW-11_25.12_2021 0609	3005A, 6020B	D	50 mL	50 mL				
580-103729-K-9-A	MW-12_26.11_2021 0609	3005A, 6020B	D	50 mL	50 mL				
MB 580-358988/16-A		3005A, 6020B		50 mL	50 mL				
LCS 580-358988/17-A		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-358988/18-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

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359069 Batch Start Date: 06/12/21 09:10 Batch Analyst: Hua, Tammy MBatch Method: 3005A Batch End Date: 06/12/21 16:15

Batch Notes	
Batch Comment	none
Temperature - Corrected - End	93.5 Degrees C
Temperature - Corrected - Start	93.5 Degrees C
Digestion End Time	06/12/2021 16:14
Digestion Start Time	06/12/2021 12:14
Digestion Unit ID	Block e
Hydrochloric Acid ID	2880267
Nitric Acid ID	2865226
Pipette/Syringe/Dispenser ID	METAL PREP 2
Analyst ID - Spike Analyst	see above
Sufficient Volume for Batch QC	yes
Thermometer Location ID	e36
Thermometer ID	661672
Digestion Tube/Cup ID	2839283
Temperature - Uncorrected - End	94.0 Degrees C
Temperature - Uncorrected - Start	94.0 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 FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359481 Batch Start Date: 06/17/21 08:30 Batch Analyst: Pimentel, Joy CBatch Method: 3005A Batch End Date: 06/17/21 15:19

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00011	ICP CAL 2 00011	MET Spike 3C 00029	
580-103729-L-1	GWM-1_24.62_2021 0609	3005A, 6020B	R	50 mL	50 mL				
580-103729-L-2	MW-1_25.76_20210 609	3005A, 6020B	R	50 mL	50 mL				
580-103729-L-3	MW-2_25.45_20210 609	3005A, 6020B	R	50 mL	50 mL				
580-103729-L-4	MW-3_24.63_20210 609	3005A, 6020B	R	50 mL	50 mL				
580-103729-L-5	MW-4_25.28_20210 609	3005A, 6020B	R	50 mL	50 mL				
580-103729-L-7	MW-9_23.02_20210 609	3005A, 6020B	R	50 mL	50 mL				
580-103729-L-8	MW-11_25.12_2021 0609	3005A, 6020B	R	50 mL	50 mL				
580-103729-L-9	MW-12_26.11_2021 0609	3005A, 6020B	R	50 mL	50 mL				
MB 580-359481/22		3005A, 6020B		50 mL	50 mL				
LCS 580-359481/23		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-359481/24		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

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: Eurofins FGS, Seattle Job No.: 580-103729-1

SDG No.: _____

Batch Number: 359481 Batch Start Date: 06/17/21 08:30 Batch Analyst: Pimentel, Joy CBatch Method: 3005A Batch End Date: 06/17/21 15:19

Batch Notes	
Temperature - Corrected - End	92.5 Degrees C
Temperature - Corrected - Start	90.5 Degrees C
Digestion End Time	06/17/2021 15:19
Digestion Start Time	06/17/2021 11:19
Digestion Unit ID	block D
Hydrochloric Acid ID	2880259
Nitric Acid ID	2849253
Pipette/Syringe/Dispenser ID	metals prep 2
Analyst ID - Spike Analyst	see above
Sufficient Volume for Batch QC	yes
Thermometer Location ID	D8
Thermometer ID	700396
Digestion Tube/Cup ID	2839283
Temperature - Uncorrected - End	92 Degrees C
Temperature - Uncorrected - Start	90 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

Page 2 of 2