



Remediation Management Services Company

4 Centerpointe Drive, Suite 200
La Palma, CA 90623
Room LPR 4-222
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February 16, 2021

Washington Department of Ecology
Northwest Regional Office
Attn: Mr. Michael Warfel
3190 160th Avenue SE
Bellevue, WA 98008-5452

Dear Mr. Michael Warfel:

Please find the enclosed Annual Groundwater Monitoring Report – Year of 2020, that documents the results at Former BP Facility No. 11060 located at 4580 Fauntleroy Way SW, Seattle, Washington.

Sincerely yours,

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

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

cc: File, Antea Group



Annual Groundwater Monitoring Report

Year of 2020

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
February 16, 2021
Project # 11060SA201

us.anteagroup.com

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Annual Groundwater Monitoring Report

Year of 2020

Former BP Facility No. 11060

4580 Fauntleroy Way SW, Seattle, Washington

ARCO 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	11060SA201
Ecology Facility/Site ID No.	Washington State Department of Ecology / 99437681

WORK PERFORMED DURING YEAR OF 2020

- ARCADIS conducted quarterly groundwater sampling events on March 25 and 26, 2020; June 2 and 3, 2020; and August 6 and 7, 2020.
- ARCADIS installed a new Catalytic Oxidizer (CatOx) in August 2020.
- ARCADIS conducted remediation system O&M on August 25, 2020.
- Environmental consulting transferred from ARCADIS to Antea Group in October 2020.
- The site was terminated from Washington State Department of Ecology's (Ecology) Voluntary Cleanup Program (VCP).
- The remediation system was shut down due to a faulty process safety device (PSD).
- Antea Group conducted quarterly groundwater sampling December 10, 2020. Monitoring wells MW-4 and GMW-1 were not sampled due to the presence of light non-aqueous phase liquid (LNAPL). Absorbent socks were deployed.
- Antea Group prepared this annual groundwater monitoring report.

WORK SCHEDULED FOR FIRST HALF OF 2021

- Antea Group will conduct quarterly groundwater monitoring and sampling.
- Antea Group will re-enroll the Site into Ecology's VCP.
- Antea Group will repair faulty PSD and upgrade various remediation system components.
- 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	Yes	
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 25, 2020 June 2, 2020 August 6, 2020 December 10, 2020	15.40 – 26.84 ft. bgs. 15.09 – 26.80 ft. bgs. 24.48 – 27.11 ft. bgs. 14.24 – 27.31 ft. bgs.
Groundwater Gradient	Variable	See Figures 3 through 6.

REMARKS

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

Prepared by



Nathaniel Han
Staff Professional

Date: February 16, 2021

Reviewed by:



Megan Richard, LG
Senior Project Manager

Date: February 16, 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

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Tables

Table 1 - Groundwater Gauging Data

Table 2 - Groundwater Analytical Data

Table 3 - PAH Groundwater Analytical Data

Table 4 - Select VOCs Groundwater Analytical Data

Table 5 - SVE/AS System Operational Data

Table 1
Groundwater Gauging Data
Former BP Facility 11060
4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
AS-1	5/7/2015	--	23.30	NP	--	--	NS
AS-1	3/2/2016	--	23.31	NP	--	--	NS
AS-2	3/2/2016	--	21.18	NP	--	--	NS
AS-3	3/2/2016	--	21.63	NP	--	--	NS
AS-4	3/2/2016	--	21.65	NP	--	--	NS
AS-5	3/2/2016	--	--	--	--	--	Dry
AS-6	3/2/2016	--	25.61	NP	--	--	NS
CW-2	3/2/2016	--	19.53	NP	--	--	NS
CW-3	3/2/2016	--	21.57	NP	--	--	NS
CW-4	3/2/2016	--	20.61	NP	--	--	NS
EW-1	5/9/2013	268.20	24.49	24.32	0.17	243.85	--
EW-1	5/7/2015	268.20	25.75	24.73	1.02	243.27	--
EW-1	3/2/2016	268.20	24.81	NP	--	243.39	NS
EW-1	6/6/2016	268.20	25.94	25.28	0.66	242.79	--
EW-1	9/12/2016	268.20	26.89	26.16	0.73	241.89	--
EW-1	12/12/2016	268.20	25.49	24.70	0.79	243.34	--
EW-1	2/22/2017	268.20	24.98	24.20	0.78	243.84	--
EW-1	8/29/2017	268.20	26.28	25.68	0.60	242.40	--
EW-1	10/25/2018	268.20	27.52	NP	--	240.68	NS
EW-1	2/20/2019	268.20	26.85	NP	--	241.35	NS
EW-1	5/14/2019	268.20	27.18	NP	--	241.02	NS

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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
EW-3	5/9/2013	268.50	24.90	24.59	0.31	243.85	--
EW-3	5/7/2015	268.50	25.77	23.23	2.54	244.76	--
EW-3	3/2/2016	268.50	25.44	25.19	0.25	243.26	--
EW-3	9/12/2016	268.50	27.17	25.63	1.54	242.56	--
EW-3	12/12/2016	268.50	25.58	24.75	0.83	243.58	--
EW-3	2/22/2017	268.50	25.06	24.22	0.84	244.11	--
EW-3	8/29/2017	268.50	26.75	25.99	0.76	242.36	--
EW-3	10/25/2018	268.50	27.81	NP	--	240.69	NS
EW-3	2/20/2019	268.50	26.93	NP	--	241.57	NS

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
EW-3	5/14/2019	268.50	27.45	NP	--	241.05	NS
EW-3	8/27/2019	268.50	27.98	NP	--	240.52	NS
EW-3	11/25/2019	268.50	27.98	NP	--	240.52	NS
EW-3	3/25/2020	268.50	26.69	NP	--	241.81	NS
EW-3	8/6/2020	268.50	27.11	NP	--	241.39	NS
GMW-1	5/10/2011	--	22.08	NP	--	--	--
GMW-1	11/29/2011	--	23.83	NP	--	--	--
GMW-1	6/1/2012	--	--	--	--	--	NM
GMW-1	11/29/2012	265.63	--	--	--	--	NM
GMW-1	5/9/2013	265.63	22.58	NP	--	243.05	--
GMW-1	11/19/2013	265.63	24.00	NP	--	241.63	--
GMW-1	5/13/2014	265.63	22.83	NP	--	242.80	NS
GMW-1	5/14/2014	265.63	--	--	--	--	--
GMW-1	5/7/2015	265.63	23.48	NP	--	242.15	--
GMW-1	3/2/2016	265.63	22.48	NP	--	243.15	--
GMW-1	6/6/2016	265.63	23.51	NP	--	242.12	--
GMW-1	9/12/2016	265.63	24.89	NP	--	240.74	--
GMW-1	12/12/2016	265.63	22.95	NP	--	242.68	--
GMW-1	2/22/2017	265.63	22.02	NP	--	243.61	--
GMW-1	8/29/2017	265.63	23.86	NP	--	241.77	--
GMW-1	3/13/2018	265.63	23.20	NP	--	242.43	--
GMW-1	10/25/2018	265.63	26.22	26.16	0.06	239.46	--
GMW-1	2/20/2019	265.63	24.34	NP	--	241.29	--
GMW-1	5/13/2019	265.63	25.28	NP	--	240.35	--
GMW-1	8/27/2019	265.63	26.68	NP	--	238.95	--
GMW-1	11/25/2019	265.63	26.95	26.90	0.05	238.72	NS
GMW-1	3/25/2020	265.63	24.91	NP	--	240.72	--
GMW-1	6/2/2020	265.63	25.05	NP	--	240.58	--
GMW-1	8/6/2020	265.63	25.92	NP	--	239.71	--

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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
GMW-1	12/10/2020	265.63	25.50	25.49	0.01	240.14	NS
MW-1	5/11/1993	99.89	23.02	NP	--	76.87	--
MW-1	3/4/1994	99.89	24.32	NP	--	75.57	--
MW-1	7/6/1994	99.89	24.60	NP	--	75.29	--
MW-1	10/7/1994	99.89	24.97	NP	--	74.92	--
MW-1	12/28/1994	99.89	24.86	NP	--	75.03	--
MW-1	3/13/1995	99.89	24.16	NP	--	75.73	--
MW-1	6/30/1995	99.89	23.98	NP	--	75.91	--
MW-1	9/6/1995	99.89	24.30	NP	--	75.59	--
MW-1	12/8/1995	99.89	24.41	NP	--	75.48	--
MW-1	3/11/1996	99.89	23.11	NP	--	76.78	--
MW-1	6/18/1996	99.89	22.80	NP	--	77.09	--
MW-1	9/9/1996	99.89	23.11	NP	--	76.78	--
MW-1	12/11/1996	99.89	23.07	NP	--	76.82	--
MW-1	3/13/1997	99.89	22.12	NP	--	77.77	--
MW-1	6/5/1997	99.89	21.75	NP	--	78.14	--
MW-1	9/5/1997	99.89	22.03	NP	--	77.86	--
MW-1	4/2/1998	99.89	21.27	NP	--	78.62	--
MW-1	6/8/1998	99.89	21.53	NP	--	78.36	--
MW-1	12/9/1998	99.89	22.22	NP	--	77.67	--
MW-1	6/26/1999	99.89	21.08	NP	--	78.81	--
MW-1	9/28/1999	99.89	21.88	NP	--	78.01	--
MW-1	1/19/2000	99.89	21.46	NP	--	78.43	--
MW-1	3/24/2000	99.89	21.40	NP	--	78.49	--
MW-1	7/2/2000	99.89	21.92	NP	--	77.97	--
MW-1	9/14/2000	99.89	22.54	NP	--	77.35	--
MW-1	12/14/2000	99.89	22.81	NP	--	77.08	--
MW-1	9/22/2001	99.89	23.55	NP	--	76.34	--
MW-1	12/9/2001	99.89	23.63	NP	--	76.26	--

Table 1
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4580 Fauntleroy Way SW, Seattle, WA 98126

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

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
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-2	5/11/1993	99.05	22.98	NP	--	76.07	--
MW-2	3/4/1994	99.05	24.30	NP	--	74.75	--
MW-2	7/6/1994	99.05	24.54	NP	--	74.51	--
MW-2	10/7/1994	99.05	24.94	NP	--	74.11	--
MW-2	12/28/1994	99.05	24.60	NP	--	74.45	--
MW-2	3/13/1995	99.05	23.84	NP	--	75.21	--
MW-2	6/30/1995	99.05	23.72	NP	--	75.33	--
MW-2	9/6/1995	99.05	23.97	NP	--	75.08	--
MW-2	12/8/1995	99.05	23.97	NP	--	75.08	--
MW-2	3/11/1996	99.05	22.66	NP	--	76.39	--
MW-2	6/18/1996	99.05	22.18	NP	--	76.87	--
MW-2	9/9/1996	99.05	22.72	NP	--	76.33	--
MW-2	12/11/1996	99.05	22.67	NP	--	76.38	--

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		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	3/13/1997	99.05	21.91	NP	--	77.14	--
MW-2	6/5/1997	99.05	21.06	NP	--	77.99	--
MW-2	9/5/1997	99.05	21.74	NP	--	77.31	--
MW-2	4/2/1998	99.05	20.71	NP	--	78.34	--
MW-2	6/8/1998	99.05	21.25	NP	--	77.80	--
MW-2	9/17/1998	99.05	22.10	NP	--	76.95	--
MW-2	12/9/1998	99.05	21.99	NP	--	77.06	--
MW-2	3/17/1999	99.05	19.67	NP	--	79.38	--
MW-2	6/26/1999	99.05	21.26	NP	--	77.79	--
MW-2	9/28/1999	99.05	21.75	NP	--	77.30	--
MW-2	1/19/2000	99.05	21.12	NP	--	77.93	--
MW-2	3/24/2000	99.05	20.74	NP	--	78.31	--
MW-2	7/2/2000	99.05	21.51	NP	--	77.54	--
MW-2	9/14/2000	99.05	22.31	NP	--	76.74	--
MW-2	12/14/2000	99.05	22.97	NP	--	76.08	--
MW-2	9/22/2001	99.05	23.59	NP	--	75.46	--
MW-2	12/9/2001	99.05	23.27	NP	--	75.78	--
MW-2	3/20/2002	99.05	22.41	NP	--	76.64	--
MW-2	6/11/2002	99.05	22.61	NP	--	76.44	--
MW-2	12/21/2002	99.05	24.30	NP	--	74.75	--
MW-2	3/19/2003	99.05	23.90	NP	--	75.15	--
MW-2	6/18/2003	99.05	23.87	NP	--	75.18	--
MW-2	9/23/2003	99.05	24.33	NP	--	74.72	--
MW-2	10/21/2003	99.05	24.38	NP	--	74.67	--
MW-2	6/29/2004	99.05	23.74	NP	--	75.31	--
MW-2	11/15/2004	99.05	24.70	NP	--	74.35	--
MW-2	4/14/2005	99.05	24.69	NP	--	74.36	--
MW-2	12/18/2005	99.05	25.15	NP	--	73.90	--
MW-2	6/11/2006	99.05	24.01	NP	--	75.04	--
MW-2	11/5/2006	99.05	25.40	NP	--	73.65	--

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4580 Fauntleroy Way SW, Seattle, WA 98126

Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-2	9/25/2007	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	--
MW-2	6/3/2020	266.69	25.60	NP	--	241.09	--

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	8/7/2020	266.69	26.22	NP	--	240.47	--
MW-2	12/10/2020	266.69	24.06	NP	--	242.63	--
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	--
MW-3	9/14/2000	98.53	21.34	NP	--	77.19	--

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	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	--

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	5/13/2014	266.00	22.95	NP	--	243.05	--
MW-3	5/7/2015	266.00	23.52	NP	--	242.48	--
MW-3	3/2/2016	266.00	22.12	NP	--	243.88	--
MW-3	6/6/2016	266.00	23.76	NP	--	242.24	--
MW-3	9/12/2016	266.00	25.08	NP	--	240.92	--
MW-3	12/12/2016	266.00	22.42	NP	--	243.58	--
MW-3	2/22/2017	266.00	20.02	NP	--	245.98	--
MW-3	8/29/2017	266.00	24.09	NP	--	241.91	--
MW-3	3/13/2018	266.00	23.22	NP	--	242.78	--
MW-3	10/25/2018	266.00	26.11	NP	--	239.89	--
MW-3	2/20/2019	266.00	23.86	NP	--	242.14	NS
MW-3	5/14/2019	266.00	25.42	NP	--	240.58	--
MW-3	8/27/2019	266.00	26.38	NP	--	239.62	NS
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-4	5/11/1993	100.26	23.03	NP	--	77.23	--
MW-4	3/4/1994	100.26	26.83	22.83	4.00	76.63	--
MW-4	7/6/1994	100.26	25.63	24.20	1.43	75.77	--
MW-4	10/7/1994	100.26	26.07	24.44	1.63	75.49	--
MW-4	12/28/1994	100.26	25.85	24.42	1.43	75.55	--
MW-4	3/13/1995	100.26	25.59	23.71	1.88	76.17	--
MW-4	6/30/1995	100.26	24.64	23.53	1.11	76.51	--
MW-4	9/6/1995	100.26	24.78	23.73	1.05	76.32	--
MW-4	12/8/1995	100.26	24.94	23.89	1.05	76.16	--
MW-4	3/11/1996	100.26	24.68	22.30	2.38	77.48	--
MW-4	6/18/1996	100.26	24.04	21.93	2.11	77.91	--

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	9/9/1996	100.26	24.08	22.23	1.85	77.66	--
MW-4	12/11/1996	100.26	23.07	22.69	0.38	77.49	--
MW-4	3/17/1999	100.26	--	--	--	--	--
MW-4	9/28/1999	100.26	--	--	--	--	--
MW-4	1/19/2000	100.26	--	--	--	--	--
MW-4	3/24/2000	100.26	--	--	--	--	--
MW-4	7/2/2000	100.26	--	--	--	--	--
MW-4	9/14/2000	100.26	--	--	--	--	--
MW-4	9/22/2001	100.26	26.60	23.33	3.27	76.28	--
MW-4	12/9/2001	100.26	25.50	23.13	2.37	76.66	--
MW-4	3/20/2002	100.26	26.50	22.77	3.73	76.74	--
MW-4	6/11/2002	100.26	24.25	23.15	1.10	76.89	--
MW-4	12/21/2002	100.26	--	--	--	--	NS
MW-4	3/19/2003	100.26	--	--	--	--	NS
MW-4	6/18/2003	100.26	--	--	--	--	NS
MW-4	9/23/2003	100.26	22.31	22.24	0.07	78.01	--
MW-4	10/21/2003	100.26	21.79	NP	--	78.47	--
MW-4	6/29/2004	100.26	22.88	NP	--	77.38	--
MW-4	11/15/2004	100.26	23.07	21.62	1.45	78.35	--
MW-4	4/14/2005	100.26	23.82	21.93	1.89	77.95	--
MW-4	12/18/2005	100.26	23.43	23.35	0.08	76.89	--
MW-4	6/11/2006	100.26	21.87	21.86	0.01	78.40	--
MW-4	11/5/2006	100.26	22.92	22.91	0.01	77.35	--
MW-4	9/25/2007	100.26	22.15	22.13	0.02	78.13	--
MW-4	12/31/2007	100.26	--	--	--	--	NS
MW-4	5/29/2008	100.26	--	--	--	--	NM
MW-4	10/28/2008	100.26	--	--	--	--	Dry
MW-4	6/22/2009	100.26	24.21	24.17	0.04	76.08	--
MW-4	12/15/2009	100.26	24.04	23.76	0.28	76.44	--
MW-4	5/24/2010	267.78	--	--	--	--	NM

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	5/10/2011	267.78	--	--	--	--	NM
MW-4	11/29/2011	267.78	--	--	--	--	NM
MW-4	6/1/2012	267.78	--	--	--	--	NM
MW-4	11/29/2012	267.78	24.00	23.90	0.10	243.86	--
MW-4	5/9/2013	267.78	26.48	22.65	3.83	244.36	--
MW-4	11/19/2013	267.78	26.61	24.80	1.81	242.62	--
MW-4	5/13/2014	267.78	25.80	23.30	2.50	243.98	--
MW-4	5/7/2015	267.78	26.50	23.55	2.95	243.64	--
MW-4	3/2/2016	267.78	24.67	23.27	1.40	244.23	--
MW-4	6/6/2016	267.78	25.86	24.33	1.53	243.14	--
MW-4	9/12/2016	267.78	26.51	25.40	1.11	242.16	--
MW-4	12/12/2016	267.78	23.27	NP	--	244.51	--
MW-4	2/22/2017	267.78	22.63	22.56	0.07	245.21	--
MW-4	8/29/2017	267.78	26.50	24.82	1.68	242.62	NS
MW-4	3/13/2018	267.78	24.74	24.26	0.48	243.42	NS
MW-4	10/25/2018	267.78	26.76	26.48	0.28	241.24	NS
MW-4	2/20/2019	267.78	24.80	NP	--	242.98	NS
MW-4	5/14/2019	267.78	26.33	NP	--	241.45	NS
MW-4	8/27/2019	267.78	26.51	NP	--	241.27	NS
MW-4	11/25/2019	267.78	26.51	NP	--	241.27	NS
MW-4	3/26/2020	267.78	24.62	NP	--	243.16	--
MW-4	6/2/2020	267.78	24.65	NP	--	243.13	NS
MW-4	8/6/2020	267.78	26.29	26.15	0.14	241.60	NS
MW-4	12/10/2020	267.78	25.81	25.76	0.05	242.01	NS
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	--

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	3/13/1995	100.88	24.41	NP	--	76.47	--
MW-5	6/30/1995	100.88	24.06	NP	--	76.82	--
MW-5	9/6/1995	100.88	24.27	NP	--	76.61	--
MW-5	12/8/1995	100.88	24.49	NP	--	76.39	--
MW-5	3/11/1996	100.88	23.33	NP	--	77.55	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 11060
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-5	9/23/2003	100.88	24.88	NP	--	76.00	--
MW-5	10/21/2003	100.88	24.99	NP	--	75.89	--
MW-5	6/29/2004	100.88	24.22	NP	--	76.66	--
MW-5	11/15/2004	100.88	24.97	NP	--	75.91	--
MW-5	4/14/2005	100.88	25.08	NP	--	75.80	--
MW-5	12/18/2005	100.88	25.47	NP	--	75.41	--
MW-5	6/11/2006	100.88	24.43	NP	--	76.45	--
MW-5	11/5/2006	100.88	25.55	NP	--	75.33	--
MW-5	9/25/2007	100.88	24.95	NP	--	75.93	--
MW-5	12/31/2007	100.88	25.16	NP	--	75.72	--
MW-5	5/29/2008	100.88	25.01	NP	--	75.87	--
MW-5	10/28/2008	100.88	25.89	NP	--	74.99	--
MW-5	6/22/2009	100.88	26.95	NP	--	73.93	--
MW-5	12/15/2009	100.88	26.57	NP	--	74.31	--
MW-5	5/24/2010	100.88	25.55	NP	--	75.33	--
MW-5	10/12/2010	268.46	25.74	NP	--	242.72	--
MW-5	5/10/2011	268.46	24.61	NP	--	243.85	--
MW-5	11/29/2011	268.46	25.55	NP	--	242.91	--
MW-5	6/1/2012	268.46	24.60	NP	--	243.86	--
MW-5	11/29/2012	268.46	25.31	NP	--	243.15	--
MW-5	5/9/2013	268.46	24.52	NP	--	243.94	--
MW-5	11/19/2013	268.46	26.35	NP	--	242.11	--
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	--

Table 1
Groundwater Gauging Data
Former BP Facility 11060
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Well I.D.	Date	GROUNDWATER ELEVATION DATA					
		TOC Elevation (ft)	Water Level Depth (ft)	LNAPL Depth (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers
MW-5	3/13/2018	268.46	26.39	NP	--	242.07	--
MW-5	10/25/2018	268.46	27.13	NP	--	241.33	NS
MW-5	2/20/2019	268.46	27.33	NP	--	241.13	NS
MW-5	5/14/2019	268.46	27.24	NP	--	241.22	--
MW-5	8/27/2019	268.46	27.40	NP	--	241.06	NS
MW-5	11/25/2019	268.46	27.55	NP	--	240.91	NS
MW-5	3/25/2020	268.46	26.84	NP	--	241.62	--
MW-5	6/2/2020	268.46	26.80	NP	--	241.66	NS
MW-5	8/6/2020	268.46	27.03	NP	--	241.43	NS
MW-5	12/10/2020	268.46	--	--	--	--	Dry
MW-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

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	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	--
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	--

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	10/25/2018	265.97	26.28	NP	--	239.69	--
MW-6	2/20/2019	265.97	13.90	NP	--	252.07	NS
MW-6	2/22/2019	265.97	14.14	NP	--	251.83	--
MW-6	5/14/2019	265.97	25.51	NP	--	240.46	NS
MW-6	8/27/2019	265.97	26.73	NP	--	239.24	--
MW-6	11/26/2019	265.97	26.86	NP	--	239.11	NS
MW-6	3/26/2020	265.97	15.40	NP	--	250.57	--
MW-6	6/2/2020	265.97	15.09	NP	--	250.88	--
MW-6	8/7/2020	265.97	26.00	NP	--	239.97	NS
MW-6	12/10/2020	265.97	14.24	NP	--	251.73	--
MW-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	--	--	--	--	--

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-8	12/9/2001	98.49	--	--	--	--	--
MW-8	3/20/2002	98.49	--	--	--	--	--
MW-8	6/11/2002	98.49	--	--	--	--	--
MW-8	6/18/2003	98.49	--	--	--	--	AB
MW-9	10/12/2010	263.35	23.89	NP	--	239.46	--
MW-9	5/10/2011	263.35	20.70	NP	--	242.65	--
MW-9	11/29/2011	263.35	22.64	NP	--	240.71	--
MW-9	6/1/2012	263.35	--	--	--	--	NM
MW-9	11/29/2012	263.35	--	--	--	--	NM
MW-9	5/9/2013	263.35	21.09	NP	--	242.26	--
MW-9	11/19/2013	263.35	22.80	NP	--	240.55	--
MW-9	5/13/2014	263.35	21.39	NP	--	241.96	--
MW-9	5/7/2015	263.35	22.04	NP	--	241.31	--
MW-9	3/2/2016	263.35	22.29	NP	--	241.06	NS
MW-9	6/6/2016	263.35	22.01	NP	--	241.34	NS
MW-9	9/12/2016	263.35	23.43	NP	--	239.92	--
MW-9	2/22/2017	263.35	21.71	NP	--	241.64	NS
MW-9	8/29/2017	263.35	22.47	NP	--	240.88	--
MW-9	3/13/2018	263.35	21.78	NP	--	241.57	NS
MW-9	10/25/2018	263.35	24.61	NP	--	238.74	--
MW-9	2/20/2019	263.35	23.27	NP	--	240.08	--
MW-9	5/13/2019	263.35	23.78	NP	--	239.57	--
MW-9	8/27/2019	263.35	25.09	NP	--	238.26	--
MW-9	11/26/2019	263.35	25.60	NP	--	237.75	--
MW-9	3/26/2020	263.35	23.72	NP	--	239.63	--
MW-9	6/2/2020	263.35	23.76	NP	--	239.59	--
MW-9	8/7/2020	263.35	24.48	NP	--	238.87	--
MW-9	12/10/2020	263.35	24.33	NP	--	239.02	--

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-10	6/1/2012	268.30	24.20	NP	--	244.10	--
MW-10	11/29/2012	268.30	25.00	NP	--	243.30	--
MW-10	5/9/2013	268.30	24.25	NP	--	244.05	--
MW-10	11/19/2013	268.30	25.80	NP	--	242.50	--
MW-10	5/13/2014	268.30	24.78	NP	--	243.52	--
MW-10	5/7/2015	268.30	24.84	NP	--	243.46	--
MW-10	9/12/2016	268.30	26.52	NP	--	241.78	--
MW-10	8/29/2017	268.30	25.93	NP	--	242.37	--
MW-11	10/25/2018	266.38	26.40	NP	--	239.98	--
MW-11	2/20/2019	266.38	25.49	NP	--	240.89	--
MW-11	5/13/2019	266.38	25.99	NP	--	240.39	--
MW-11	8/27/2019	266.38	26.83	NP	--	239.55	--
MW-11	11/25/2019	266.38	27.13	NP	--	239.25	--
MW-11	3/25/2020	266.38	25.39	NP	--	240.99	--
MW-11	6/2/2020	266.38	25.34	NP	--	241.04	--
MW-11	8/6/2020	266.38	25.79	NP	--	240.59	--
MW-11	12/10/2020	266.38	26.25	NP	--	240.13	--
MW-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	--
VE-1	4/2/1998	--	--	--	--	--	--

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	9/17/1998	--	--	--	--	--	--
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	--	--	--	--	--	--
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	--	--

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	5/24/2010	268.17	26.70	NP	--	241.47	NS
VE-1	5/10/2011	268.17	--	--	--	--	NM
VE-1	11/29/2012	268.17	24.05	23.95	0.10	244.20	--
VE-1	5/9/2013	268.17	24.23	NP	--	243.94	NS
VE-1	11/19/2013	268.17	26.35	25.80	0.55	242.26	--
VE-1	5/13/2014	268.17	25.20	24.80	0.40	243.29	--
VE-1	5/7/2015	268.17	25.40	24.79	0.61	243.26	--
VE-1	3/2/2016	268.17	24.99	NP	--	243.18	NS
VE-2	5/7/2015	--	--	--	--	--	Dry
VE-2	3/2/2016	--	13.84	NP	--	--	NS
VE-3	3/2/2016	--	12.99	NP	--	--	NS
VE-4	3/2/2016	--	14.45	NP	--	--	NS
VE-5	3/2/2016	--	14.15	NP	--	--	NS

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	1000/800 ¹	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	--
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	--	--	--	--
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	--	--	--	--

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	1000/800 ¹	500	500	15	15
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
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-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	--	--	--	--

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	1000/800 ¹	500	500	15	15
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	--	--	--	--
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	--	--	--	--

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	1000/800 ¹	500	500	15	15
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	--	--
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-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	--	--	--	--

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	1000/800 ¹	500	500	15	15
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	--	--	--	--
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	--	--

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	1000/800 ¹	500	500	15	15
MW-3	9/12/2016	4.3	< 0.50	2.1	< 0.50	< 0.50	--	--	1,200	100	< 67	--	--
MW-3	12/12/2016	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	53 J	210	140 J	--	--
MW-3	2/22/2017	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	--	--	245	254	< 165	--	--
MW-3	8/29/2017	3.87	0.434 J	3.82	1.78 J	< 0.367	--	--	1,310	383	238 J	--	--
MW-3	3/13/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	--	--	52.8 B J	79.1 J	115 J	--	--
MW-3	10/25/2018	< 1.00	< 1.00	< 1.00	< 3.00	< 1.00	< 0.0100	< 1.00	35.6 B J	69.3 J	< 250	0.868 B J	0.602 J
MW-3	5/14/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00240	< 0.361	< 31.6	71.9 J	101 J	< 1.90	--
MW-3	11/25/2019	< 0.331	< 0.412	< 0.384	< 1.06	< 0.367	< 0.00245	< 0.361	63.6 BJ	< 66.7	276	2.06 J	--
MW-3	3/26/2020	< 0.0896	< 0.412	< 0.158	< 0.316	< 0.102	< 0.00240	< 0.108	< 31.6	101 J	94.3 J	< 1.90	--
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-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-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	1000/800 ¹	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
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

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	1000/800 ¹	500	500	15	15
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-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	--
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	--	--

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	1000/800 ¹	500	500	15	15
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-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	--
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

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	1000/800 ¹	500	500	15	15
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	--
MW-11	12/10/2020	< 3.0	< 2.0	< 3.0	< 3.0	< 2.0	--	--	< 250	< 110	< 350	< 4.0	< 4.0
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
VE-1	4/2/1998	3,900	2,300	820	4,500	< 2500	--	--	60,500	--	--	--	--
VE-1	9/17/1998	2,700	2,000	1,400	7,700	< 100	--	--	240,000	--	--	--	--
VE-1	12/9/1998	2,200	1,400	770	3,700	< 25	--	--	73,000	--	--	--	--
VE-1	3/17/1999	4,000	2,400	790	4,100	< 25	--	--	42,000	--	--	--	--
VE-1	6/26/1999	3,800	2,600	670	3,500	< 100	--	--	42,000	--	--	--	--
VE-1	9/28/1999	3,400	2,000	630	3,000	< 25	--	--	25,000	--	--	--	--
VE-1	3/24/2000	3,200	610	27	3,600	< 5	--	--	31,000	--	--	--	--
VE-1	7/2/2000	3,200	1,900	620	3,000	130	--	--	27,000	--	--	--	--
VE-1	9/14/2000	3,200	2,200	920	3,000	< 5	--	--	29,000	--	--	--	--
VE-1	12/14/2000	2,400	1,300	580	2,600	< 40	--	--	28,000	--	--	--	--
VE-1	12/9/2001	1,300	880	510	2,400	< 40	--	--	24,000	--	--	--	--

Table 2
Groundwater Analytical Data
Former BP Facility 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	1000/800 ¹	500	500	15	15
VE-1	3/20/2002	1,800	1,300	560	2,400	280	--	--	52,000	--	--	--	--
VE-1	6/11/2002	2,800	1,600	650	2,900	< 80	--	--	26,000	--	--	--	--
VE-1	12/21/2002	1,630	1,150	741	3,660	< 200	--	--	25,900	--	--	--	--
VE-1	3/19/2003	1,590	1,450	743	3,640	< 250	--	--	27,100	--	--	--	--
VE-1	6/18/2003	2,190	1,710	929	5,230	79.8	--	--	37,000	--	--	--	--
VE-1	9/23/2003	1,620	1,270	704	3,500	< 20.0	--	--	28,300	--	--	--	--
VE-1	10/22/2003	3,360	1,850	847	4,130	< 50.0	--	--	36,700	--	--	--	--
VE-1	6/29/2004	8,070	7,030	2,230	10,400	820	--	--	192,000	--	--	--	--
VE-1	11/15/2004	5,680	6,280	3,430	17,600	< 100	--	--	99,900	--	--	--	--
VE-1	4/14/2005	3,120	3,300	1,210	5,560	< 40.0	--	--	39,600	--	--	--	--
VE-1	12/18/2005	6,140	5,850	1,400	6,750	< 100	--	--	142,000	--	--	--	--
VE-1	6/11/2006	7,200	8,100	3,900	25,100	< 500	--	--	68,300	--	--	--	--
VE-1	11/5/2006	3,780	4,320	1,190	6,390	--	--	--	60,500	--	--	--	--

Notes:

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes, Total

MTBE = Methyl-tertiary-butyl ether

TPH-G = Total petroleum hydrocarbons as gasoline by Northwest Method NWTPH-Gx

TPH-D = Total petroleum hydrocarbons as diesel by Northwest Method NWTPH-Dx

TPH-O = Total petroleum hydrocarbons as oil by Northwest Method NWTPH-Dx

EDB = Ethylene dibromide

EDC = 1,2-Dichloroethane

1,000/800¹ ug/L if no detectable levels of Benzene in the sample - otherwise 800 ug/L

<1.0 = Concentrations were not detected above the laboratory method reporting limit.

ug/L = Micrograms per liter (ppb)

-- = No value given/Not analyzed/Not applicable

MTCA = Model Toxics Control Act

Results in **bold** indicate concentrations in excess of MTCA Method A Cleanup Levels

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

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

Table 3
PAH Groundwater Analytical Data
Former BP Facility 11060
4580 Fauntleroy Way SW Seattle, WA 98126

CONSTITUENT		Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno (1,2,3-cd) pyrene	Naph- thalene	1-Methyl- naph- thalene	2-Methyl naph- thalene	Total Naph- thalenes	Total Poly- nuclear Aromatic Hydro- carbons
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		--	0.1	--	--	--	--	--	160	--	--	160	0.1
Well ID	Date												
GMW-1	5/7/2015	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	7.4	1.8	4	13.2	< 0.00755
GMW-1	3/2/2016	0.043 J	0.029 J	0.022 J	0.031 J	0.071	0.061	0.032 J	< 0.030	0.079	0.17	0.264	0.04861
GMW-1	6/6/2016	--	--	--	--	--	--	--	2.2	0.53	1.1	3.83	--
GMW-1	9/12/2016	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	7.1	1.4	2.8	11.3	< 0.00717
GMW-1	9/12/2016	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	6.8	1.4	2.8	11	< 0.00717
GMW-1	2/20/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	< 0.0198	0.0121 J	0.024 J	< 0.046	< 0.007783
GMW-1	5/13/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.377	0.0625 J	0.0189 J	0.4584	< 0.007783
GMW-1	8/27/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.642	0.0389 J	0.140 J	0.8209	< 0.007783
GMW-1	3/25/2020	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.200 BJ	0.0274 J	0.0130 J	0.24	< 0.007783
GMW-1	6/2/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	0.108 J	< 0.0687	< 0.0674	< 0.176	< 0.0137
GMW-1	8/6/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	< 0.0917	< 0.687	< 0.674	< 1.14	< 0.0137
MW-1	5/7/2015	0.025 J	0.026 J	0.044 J	0.020 J	0.032 J	0.018 J	0.033 J	< 0.031	0.023 J	0.026 J	0.0645	0.04032
MW-1	3/2/2016	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	0.4	0.12	0.2	0.72	< 0.008305
MW-1	2/22/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	< 0.0198	0.0129 J	0.0207 J	< 0.0435	< 0.007783
MW-1	5/14/2019	< 0.00820	< 0.0232	< 0.00424	< 0.0272	< 0.0216	< 0.00792	< 0.0296	0.110 J	0.0309 J	0.0414 J	0.1823	< 0.015566
MW-1	3/26/2020	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0777 BJ	< 0.00821	< 0.00902	< 0.0863	< 0.007783
MW-1	6/3/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	< 0.0137
MW-1	8/6/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	0.0925 J	< 0.687	< 0.674	< 0.773	< 0.0137
MW-2	5/7/2015	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	4.3	1.1	0.35	5.75	< 0.0137
MW-2	3/2/2016	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	4.3	1.7	0.34	6.34	< 0.0137
MW-2	6/6/2016	--	--	--	--	--	--	--	4.6	2.5	0.29	7.39	< 0.0137
MW-2	9/12/2016	--	--	--	--	--	--	--	--	--	--	--	< 0.0137
MW-2	2/20/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	< 0.0198	0.00849 J	0.0174 J	< 0.03579	< 0.0137
MW-2	5/14/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0593 J	0.0214 J	0.0228 J	0.1035	< 0.0137
MW-2	8/27/2019	--	--	--	--	--	--	--	--	--	--	--	< 0.0137
MW-2	11/26/2019	0.00684 BJ	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0680 BJ	0.0255 BJ	0.0174 BJ	0.1109	< 0.0137
MW-2	3/26/2020	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0939 BJ	< 0.00821	< 0.00902	< 0.103	< 0.0137
MW-2	6/3/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	0.188 J	< 0.0687	0.150 J	< 0.372	< 0.0137
MW-2	8/7/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	0.171 J	< 0.687	< 0.674	< 0.852	< 0.0137
MW-3	5/7/2015	0.016 J	0.015 J	0.025 J	< 0.010	0.018 J	< 0.010	0.016 J	< 0.030	0.76	0.041	0.816	0.02188
MW-3	3/2/2016	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.030	< 0.010	< 0.010	< 0.025	< 0.00755
MW-3	6/6/2016	--	--	--	--	--	--	--	< 0.031	0.032 J	< 0.010	0.053	--
MW-3	9/12/2016	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.029	0.19	< 0.0095	0.20925	< 0.00717
MW-3	5/14/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0335 J	< 0.00821	< 0.00902	< 0.0421	< 0.007783

Table 3
PAH Groundwater Analytical Data
Former BP Facility 11060
4580 Fauntleroy Way SW Seattle, WA 98126

CONSTITUENT		Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno (1,2,3-cd) pyrene	Naph- thalene	1-Methyl- naph- thalene	2-Methyl naph- thalene	Total Naph- thalenes	Total Poly- nuclear Aromatic Hydro- carbons
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		--	0.1	--	--	--	--	--	160	--	--	160	0.1
MW-3	11/25/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	< 0.0198	< 0.00821	< 0.00902	< 0.0185	< 0.007783
MW-3	3/26/2020	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0293 BJ	< 0.00821	< 0.00902	< 0.0379	< 0.007783
MW-3	8/7/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	< 0.0137
MW-4	3/26/2020	0.0381 J	0.0250 J	0.0344 J	< 0.0272	< 0.0216	< 0.00792	< 0.0296	113	21.7	35.5	170.2	< 0.03559
MW-5	5/7/2015	< 0.010	< 0.010	0.014 J	< 0.010	< 0.010	< 0.010	< 0.010	11	3	2.5	16.5	0.00845
MW-5	3/2/2016	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	9.9	2.7	2.8	15.4	< 0.00755
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	< 0.007783
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	< 0.00755
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	< 0.00717
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	< 0.007783
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	< 0.007783
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	< 0.007783
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	< 0.008390
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	< 0.0137
MW-9	5/7/2015	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.031	< 0.010	0.015 J	0.0355	< 0.00755
MW-9	9/12/2016	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.028	< 0.0095	< 0.0095	< 0.0235	< 0.00717
MW-9	2/20/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	< 0.0198	< 0.00821	0.0150 J	< 0.029005	< 0.007783
MW-9	5/13/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	< 0.0198	0.0162 J	0.0140 J	< 0.0401	< 0.007783
MW-9	8/27/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0350 BJ	< 0.00821	< 0.00902	< 0.04362	< 0.007783
MW-9	11/26/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0350 BJ	< 0.00821	< 0.00902	< 0.04362	< 0.007783
MW-9	3/26/2020	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0244 BJ	< 0.00821	< 0.00902	< 0.0208	< 0.007783
MW-9	6/2/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	< 0.0137
MW-9	8/7/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	< 0.0137
MW-10	5/7/2015	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.77	0.23	0.35	1.35	< 0.00755
MW-10	9/12/2016	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.029	< 0.0095	< 0.0095	< 0.024	< 0.00717
MW-11	2/20/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	< 0.0198	0.00930 J	< 0.00902	< 0.02371	< 0.007783
MW-11	5/13/2019	0.00965 J	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.165 J	0.0258 J	0.0121 J	0.2029	0.008543
MW-11	8/27/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.169 BJ	0.0102 J	0.0107 J	0.1899	< 0.007783
MW-11	11/25/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.141 J	< 0.00821	0.0104 J	< 0.1556	< 0.007783
MW-11	3/25/2020	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.0887 BJ	0.0194 J	0.0106 J	0.119	< 0.00778

Table 3
PAH Groundwater Analytical Data
Former BP Facility 11060
4580 Fauntleroy Way SW Seattle, WA 98126

CONSTITUENT		Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Indeno (1,2,3-cd) pyrene	Naph- thalene	1-Methyl- naph- thalene	2-Methyl naph- thalene	Total Naph- thalenes	Total Poly- nuclear Aromatic Hydro- carbons
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		--	0.1	--	--	--	--	--	160	--	--	160	0.1
MW-11	6/2/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	< 0.0917	< 0.0687	< 0.0674	< 0.114	< 0.0137
MW-11	8/6/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	0.0917 J	< 0.687	0.0678 BJ	< 0.503	< 0.0137
MW-12	2/20/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	4.81	0.897	0.782	6.489	< 0.0137
MW-12	5/13/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.463	0.328	0.0239 J	0.8149	< 0.0137
MW-12	8/27/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.257 B	0.235 J	0.0224 J	0.5144	< 0.0137
MW-12	11/25/2019	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.659	0.244 J	0.0269 J	0.9299	< 0.0137
MW-12	3/26/2020	< 0.00410	< 0.0116	< 0.00212	< 0.0136	< 0.0108	< 0.00396	< 0.0148	0.523	0.190 J	0.0407 J	0.754	< 0.0137
MW-12	6/2/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	0.519	0.138 J	0.0727 J	0.73	< 0.0137
MW-12	8/6/2020	< 0.0203	< 0.0184	< 0.0168	< 0.0202	< 0.0179	< 0.0160	< 0.0158	< 0.917	< 0.687	< 0.674	< 1.14	< 0.0137

Notes:

PAH = Polycyclic Aromatic Hydrocarbons

Total Carcinogenic PAH (cPAH) value is the sum of all analyzed cPAHs

Total naphthalenes 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
MTCA METHOD A CLEANUP LEVELS		--	--	--	--	0.2	--	--	--	--	5	5
Well ID	Date											
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
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-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-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-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-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-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

Table 4
Select VOCs Groundwater Analytical Data
Former BP Facility 11060
4580 Fauntleroy Way SW Seattle, WA 98126

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

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	--	--	--	--	
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%	on / 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	17.37	1466.23	
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	283.43	1749.66	
06/19/18	off / on	--	--	--	off / on	--	--	--	690.0	--	--	--	--	105.0	140.0	2.0	99%	4.73	--	--	
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	190.43	1940.09	
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	58.48	1998.57	
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	54.53	2053.10	
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	40.66	2093.77	
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	3.55	2097.32	
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	31.96	2129.28	
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	130.18	2259.46	
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	158.90	2418.36	
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	65.26	2483.62.	

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. $scfm = acfm \cdot \frac{(14.7 \text{ [psi]} + (influent \text{ pressure} \cdot 0.0361 [\frac{psi}{in. WC}])}{14.7 \text{ [psi]}}$
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

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

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

Figures

Figure 1 - Site Location Map

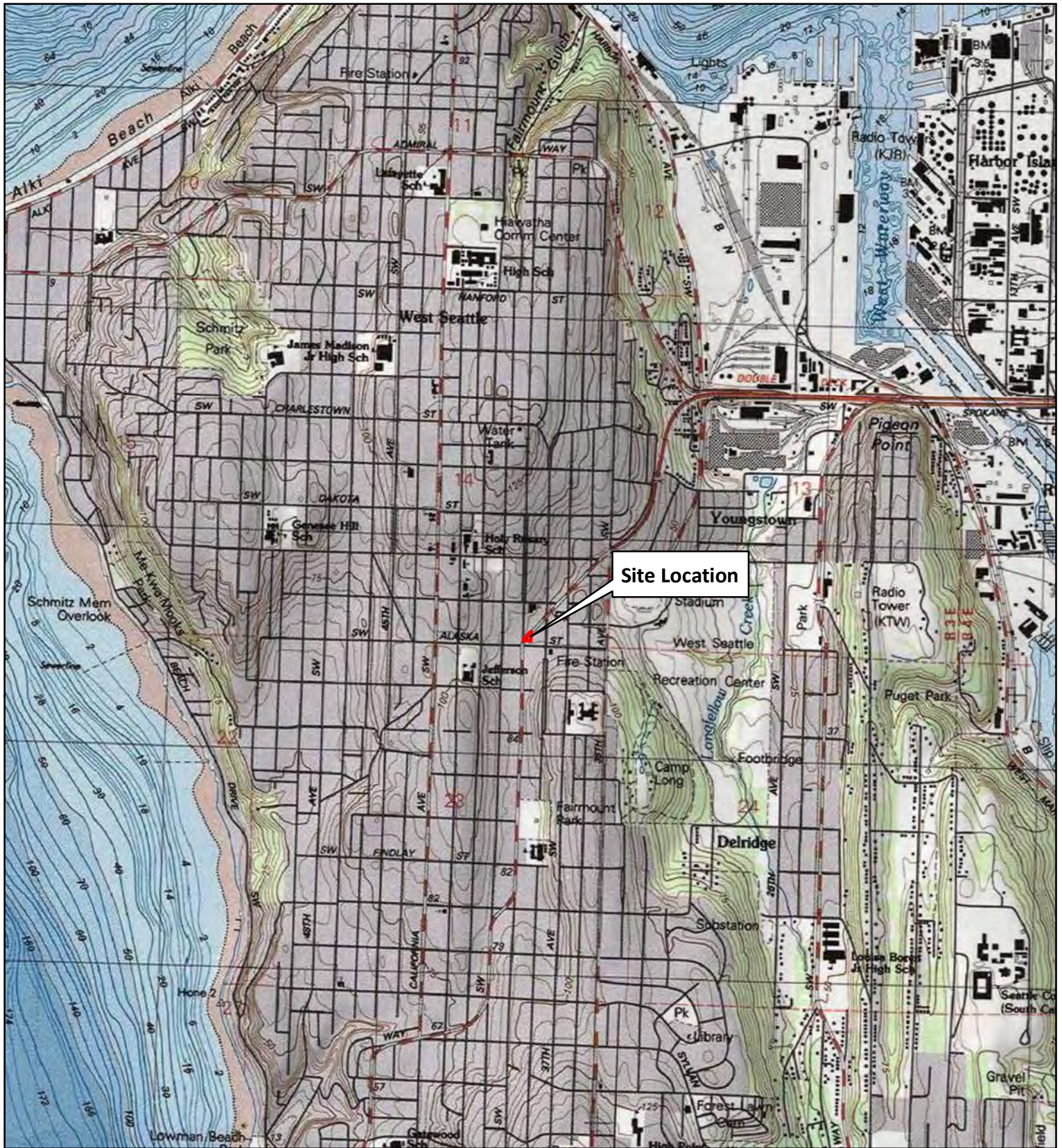
Figure 2 - Site Aerial Map

Figure 3 - Groundwater Elevation and Analytical Data Map – March 25 & 26, 2020

Figure 4 - Groundwater Elevation and Analytical Data Map – June 2 & 3, 2020

Figure 5 - Groundwater Elevation and Analytical Data Map – August 6 & 7, 2020

Figure 6 - Groundwater Elevation and Analytical Data Map – December 10, 2020



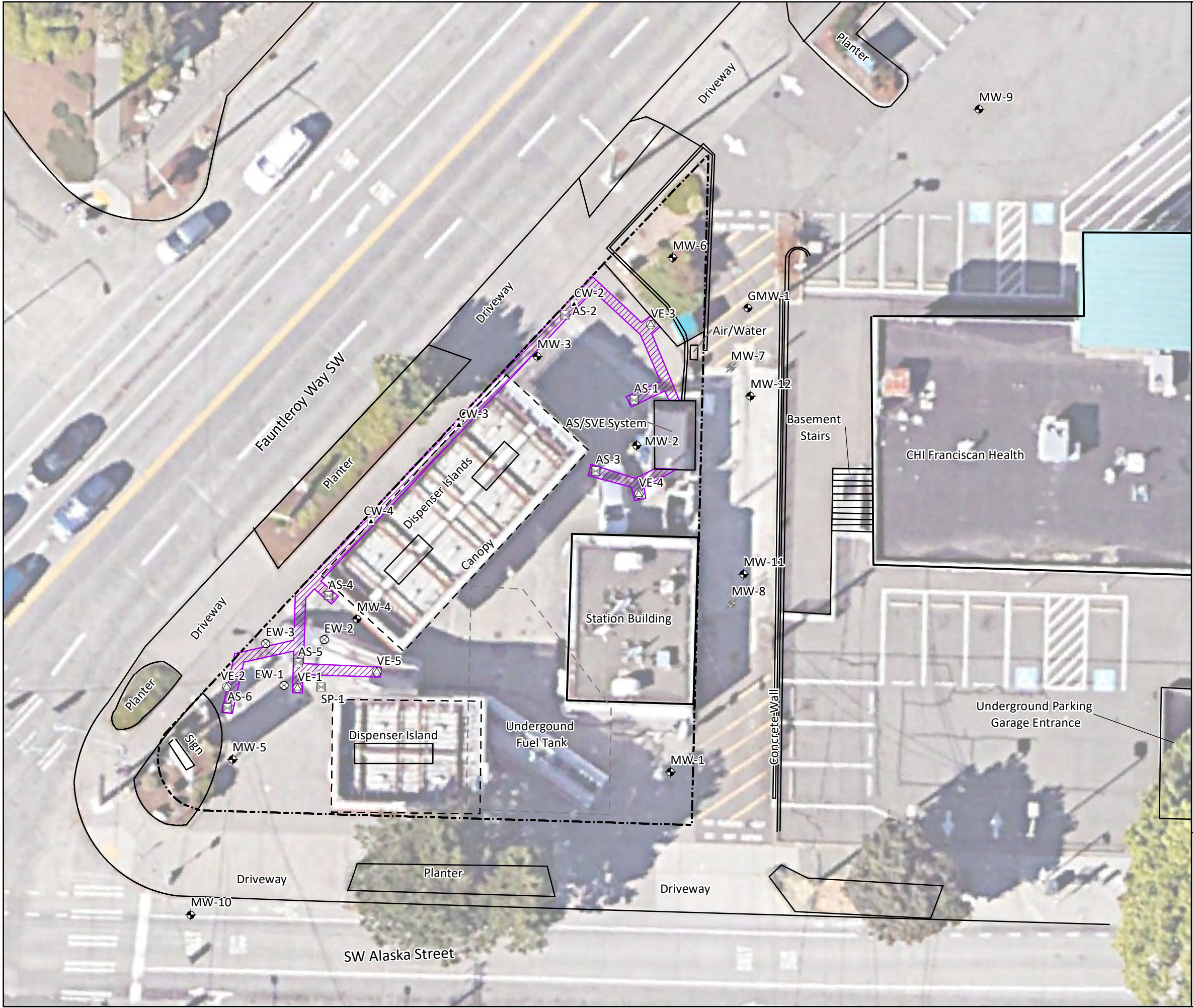
USGS Topographic Map 1:24,000
Duwamish Head, WA 2017

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

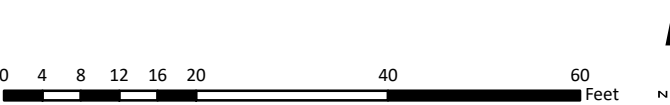


FIGURE 2
SITE AERIAL MAP
FORMER BP FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

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

MW-3	
Date	03/26/2020
B	< 0.0896
T	< 0.412
E	< 0.158
X	< 0.316
MTBE	< 0.102
EDB	< 0.00240
EDC	< 0.108
TPH-G	< 31.6
TPH-D	101 J
TPH-O	94.3 J
Pb-T	< 1.90
Pb-D	NA

MW-6	
Date	03/26/2020
B	< 0.0896
T	< 0.412
E	< 0.158
X	< 0.316
MTBE	< 0.102
EDB	< 0.00240
EDC	< 0.108
TPH-G	< 31.6
TPH-D	73.9 J
TPH-O	152 J
Pb-T	< 1.90
Pb-D	NA

MW-9	
Date	03/26/2020
B	< 0.0896
T	< 0.412
E	< 0.158
X	< 0.316
MTBE	< 0.102
EDB	< 0.00240
EDC	< 0.108
TPH-G	< 31.6
TPH-D	190 J
TPH-O	199 J
Pb-T	< 1.90
Pb-D	NA

MW-2	
Date	03/26/2020
B	1.39
T	< 0.412
E	< 0.158
X	< 0.316
MTBE	< 0.102
EDB	< 0.00240
EDC	< 0.108
TPH-G	134 B
TPH-D	2,400
TPH-O	456
Pb-T	8.84
Pb-D	NA

MW-4	
Date	03/26/2020
B	162
T	209
E	130
X	1,670
MTBE	< 5.10
EDB	< 0.00240
EDC	< 5.40
TPH-G	17,400
TPH-D	11,200
TPH-O	439
Pb-T	204
Pb-D	53.5

MW-1	
Date	03/26/2020
B	< 0.0896
T	< 0.412
E	< 0.158
X	< 0.316
MTBE	< 0.102
EDB	< 0.00240
EDC	< 0.108
TPH-G	104 B
TPH-D	339
TPH-O	131 J
Pb-T	< 1.90
Pb-D	NA

MW-11	
Date	03/25/2020
B	< 0.0896
T	< 0.412
E	< 0.158
X	< 0.316
MTBE	< 0.102
EDB	< 0.00240
EDC	< 0.108
TPH-G	75.1 BJ
TPH-D	747
TPH-O	131 J
Pb-T	< 1.90
Pb-D	NA

MW-5	
Date	03/25/2020
B	< 0.0896
T	< 0.412
E	< 0.158
X	< 0.316
MTBE	< 0.102
EDB	< 0.00240
EDC	< 0.108
TPH-G	< 31.6
TPH-D	300
TPH-O	108 J
Pb-T	21.2
Pb-D	3.84 J

MW-12	
Date	03/26/2020
B	1.18
T	< 0.412
E	0.844
X	0.318 J
MTBE	< 0.102
EDB	< 0.00240
EDC	< 0.108
TPH-G	300 B
TPH-D	1,710
TPH-O	281
Pb-T	< 1.90
Pb-D	NA

Legend

Air Sparge

Vapor Extraction Well

Combination Air Sparge and Vapor Extraction Well

Extraction Well

Monitoring Well

Abandoned Monitoring Well

Groundwater Elevation Contours (ft)

Inferred Groundwater Flow Direction

Trench Location

(240.72) Groundwater Elevation (feet)

Notes:
All concentrations reported in micrograms per liter (ug/L)
B - Benzene
T - Toluene
E - Ethylbenzene
X - Total Xylenes
MTBE - Methyl-tertiary-butyl ether
EDB - Ethylene dibromide
EDC - 1,2-Dichloroethane
TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
TPH-O = Total petroleum hydrocarbons as oil
Pb-T = Total Lead
Pb-D = Dissolved Lead
< - Concentrations were not detected above the laboratory method reporting limit
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
Results in bold indicate concentrations in excess of MTCA Method A Cleanup Levels

0481216204060
Feet

N

FIGURE 3
GROUNDWATER ANALYTICAL AND ELEVATION CONTOUR MAP
MARCH 25 & 26, 2020
FORMER BP FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

PROJECT NO.
11060

PREPARED BY
MB

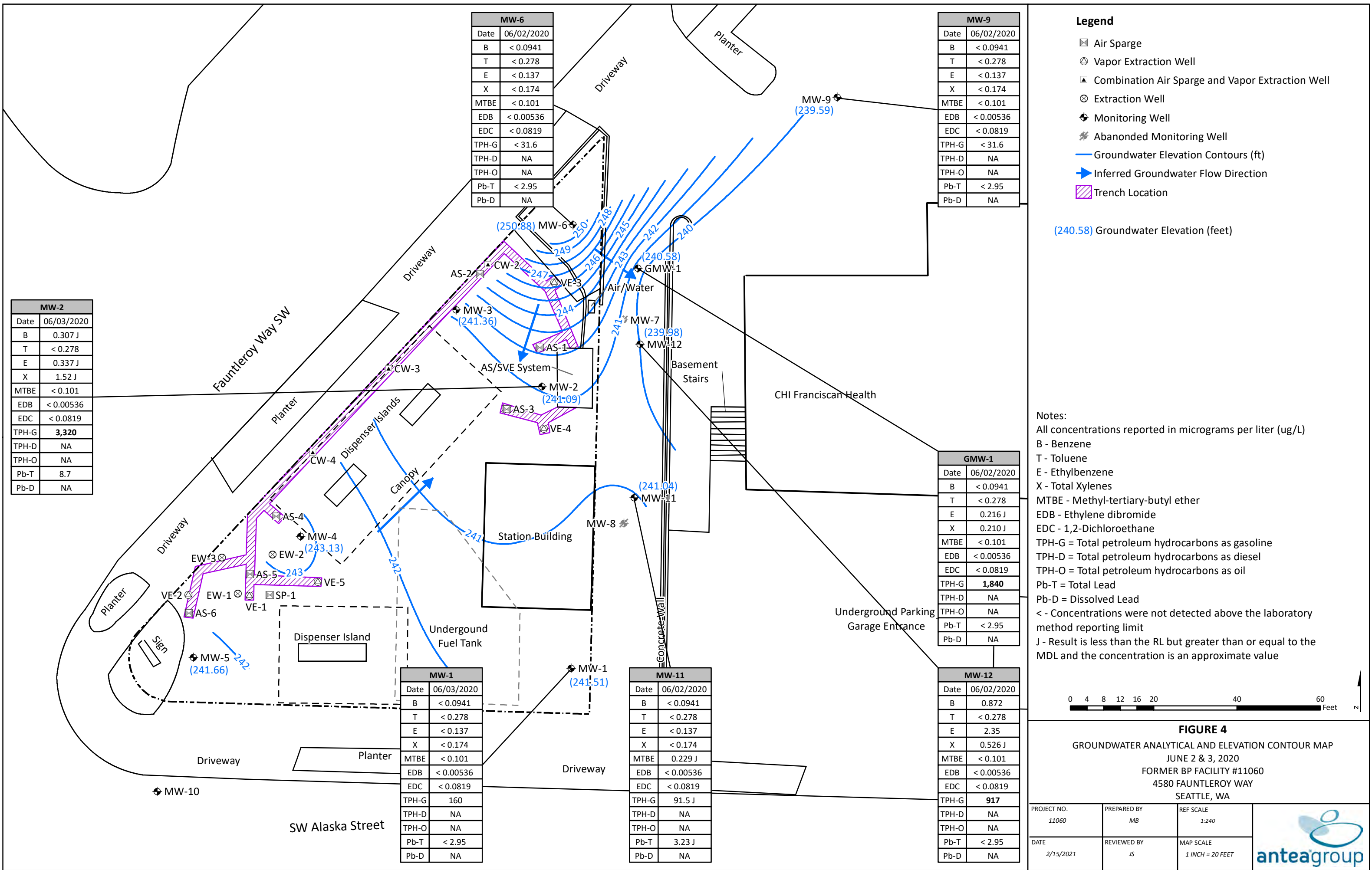
REF SCALE
1:240

DATE
2/15/2021

REVIEWED BY
JS

MAP SCALE
1 INCH = 20 FEET

\\gis-s3\GIS_Data\Sandbox\I\Projects\A-E\BP_WA\11060 Seattle\Project Number\Layout\11060GWEA1Q20.mxd



MW-3	
Date	08/07/2020
B	< 0.0941
T	< 0.278
E	< 0.137
X	1.44 J
MTBE	< 0.101
EDB	< 0.00536
EDC	< 0.0819
TPH-G	66.5 BJ
TPH-D	109 J
TPH-O	101 J
Pb-T	< 2.95
Pb-D	NA

MW-2	
Date	08/07/2020
B	0.910 J
T	349 J
E	0.452 J
X	1.36 J
MTBE	< 0.101
EDB	< 0.00536
EDC	< 0.0819
TPH-G	377 B
TPH-D	4,300
TPH-O	431
Pb-T	< 2.95
Pb-D	NA

MW-9	
Date	08/07/2020
B	< 0.0941
T	< 0.278
E	< 0.137
X	< 0.174
MTBE	< 0.101
EDB	< 0.00536
EDC	< 0.0819
TPH-G	< 31.6
TPH-D	216
TPH-O	110 J
Pb-T	< 2.95
Pb-D	NA

GMW-1	
Date	08/06/2020
B	0.242 J
T	1.98
E	4.55
X	4.15
MTBE	< 0.101
EDB	< 0.00536
EDC	< 0.0819
TPH-G	1,400
TPH-D	751
TPH-O	< 83.3
Pb-T	3.04 J
Pb-D	NA

MW-12	
Date	08/06/2020
B	0.644 J
T	< 0.278
E	0.500 J
X	0.448 J
MTBE	< 0.101
EDB	< 0.00536
EDC	< 0.0819
TPH-G	268 J
TPH-D	1,630
TPH-O	317
Pb-T	< 2.95
Pb-D	NA

MW-1	
Date	08/06/2020
B	0.133 J
T	< 0.278
E	< 0.137
X	< 0.174
MTBE	< 0.101
EDB	< 0.00536
EDC	< 0.0819
TPH-G	186 B
TPH-D	261
TPH-O	101 J
Pb-T	< 2.95
Pb-D	NA

MW-11	
Date	08/06/2020
B	< 0.0941
T	< 0.278
E	< 0.137
X	< 0.174
MTBE	0.266 J
EDB	< 0.00536
EDC	< 0.0819
TPH-G	85.2 BJ
TPH-D	289
TPH-O	317
Pb-T	< 2.95
Pb-D	NA

Legend

- Air Sparge
- Vapor Extraction Well
- Combination Air Sparge and Vapor Extraction Well
- Extraction Well
- Monitoring Well
- Abandoned Monitoring Well
- Groundwater Elevation Contours (ft)
- Inferred Groundwater Flow Direction
- Trench Location

(239.71) Groundwater Elevation (feet)

Notes:
All concentrations reported in micrograms per liter (ug/L)
B - Benzene
T - Toluene
E - Ethylbenzene
X - Total Xylenes
MTBE - Methyl-tertiary-butyl ether
EDB - Ethylene dibromide
EDC - 1,2-Dichloroethane
TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
TPH-O = Total petroleum hydrocarbons as oil
Pb-T = Total Lead
Pb-D = Dissolved Lead
< - Concentrations were not detected above the laboratory method reporting limit
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
Results in bold indicate concentrations in excess of MTCA Method A Cleanup Levels

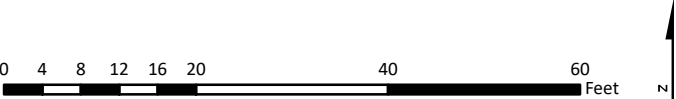


FIGURE 5
GROUNDWATER ANALYTICAL AND ELEVATION CONTOUR MAP
AUGUST 6 & 7, 2020
FORMER BP FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

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

MW-2	
Date	12/10/2020
B	< 3.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
TPH-G	590
TPH-D	190
TPH-O	< 350
Pb-T	< 4.0
Pb-D	< 4.0

MW-3	
Date	12/10/2020
B	< 3.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
TPH-G	< 250
TPH-D	< 110
TPH-O	< 350
Pb-T	< 4.0
Pb-D	< 4.0

MW-6	
Date	12/10/2020
B	< 3.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
TPH-G	< 250
TPH-D	< 110
TPH-O	< 350
Pb-T	< 4.0
Pb-D	< 4.0

MW-9	
Date	12/10/2020
B	< 3.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
TPH-G	< 250
TPH-D	< 110
TPH-O	< 350
Pb-T	< 4.0
Pb-D	< 4.0

MW-11	
Date	12/10/2020
B	< 3.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
TPH-G	< 250
TPH-D	< 110
TPH-O	< 350
Pb-T	< 4.0
Pb-D	< 4.0

MW-12	
Date	12/10/2020
B	< 3.0
T	< 2.0
E	< 3.0
X	< 3.0
MTBE	< 2.0
TPH-G	290
TPH-D	400
TPH-O	< 350
Pb-T	< 4.0
Pb-D	< 4.0

Legend

- Air Sparge
- Vapor Extraction Well
- Combination Air Sparge and Vapor Extraction Well
- Extraction Well
- Monitoring Well
- Abandoned Monitoring Well
- Groundwater Elevation Contours (ft)
- Inferred Groundwater Flow Direction
- Trench Location

(240.14) Groundwater Elevation (feet)

Notes:
All concentrations reported in micrograms per liter (ug/L)
B - Benzene
T - Toluene
E - Ethylbenzene
X - Total Xylenes
MTBE - Methyl-tertiary-butyl ether
TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
TPH-O = Total petroleum hydrocarbons as oil
Pb-T = Total Lead
Pb-D = Dissolved Lead
< - Concentrations were not detected above the laboratory method reporting limit

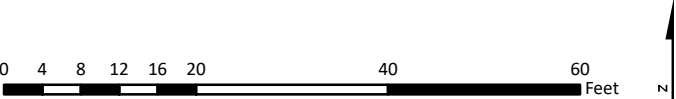


FIGURE 6
GROUNDWATER ANALYTICAL AND ELEVATION CONTOUR MAP
DECEMBER 10, 2020
FORMER BP FACILITY #11060
4580 FAUNTLEROY WAY
SEATTLE, WA

PROJECT NO. 11060	PREPARED BY MB	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

April 09, 2020

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ARCADIS US - Seattle, WA

Sample Delivery Group: L1203719
Samples Received: 03/28/2020
Project Number: 30014464
Description: WA-11060
Site: 4580 FAUNTLEROY WAY SW, SEATTL
Report To: Ross LaGrandeur
1100 Olive Way
Suite 800
Seattle, WA 98101

Entire Report Reviewed By:

Brian Ford

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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Cn: Case Narrative	6
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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



GMW-1 L1203719-01 GW

				Collected by Trevor Bryant	Collected date/time 03/25/20 14:10	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 16:50	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	1	03/29/20 06:12	03/29/20 06:12	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/02/20 21:50	04/02/20 21:50	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/05/20 21:10	04/05/20 21:10	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 11:06	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1453018	1	03/29/20 17:45	04/01/20 23:52	JN	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1452823	1	03/30/20 16:32	03/31/20 09:02	DMG	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

MW-1 L1203719-02 GW

				Collected by Trevor Bryant	Collected date/time 03/26/20 14:25	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 16:53	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	1	03/29/20 06:33	03/29/20 06:33	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/02/20 22:10	04/02/20 22:10	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/05/20 21:32	04/05/20 21:32	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 11:18	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1452760	1	03/30/20 16:28	04/02/20 08:38	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1453002	1	03/31/20 05:29	03/31/20 16:50	LEA	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-2 L1203719-03 GW

				Collected by Trevor Bryant	Collected date/time 03/26/20 11:05	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 16:55	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	1	03/29/20 06:55	03/29/20 06:55	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/02/20 22:29	04/02/20 22:29	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/05/20 21:55	04/05/20 21:55	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 11:30	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1452760	1	03/30/20 16:28	04/02/20 09:04	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1453002	1	03/31/20 05:29	03/31/20 17:10	LEA	Mt. Juliet, TN

MW-3 L1203719-04 GW

				Collected by Trevor Bryant	Collected date/time 03/26/20 13:45	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 16:58	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	1	03/29/20 07:16	03/29/20 07:16	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/02/20 22:49	04/02/20 22:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/05/20 22:18	04/05/20 22:18	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 11:42	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1452760	1	03/30/20 16:28	04/02/20 09:30	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1453002	1	03/31/20 05:29	03/31/20 17:31	AO	Mt. Juliet, TN

MW-4 L1203719-05 GW

				Collected by Trevor Bryant	Collected date/time 03/26/20 16:15	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 17:01	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1458062	1	04/09/20 11:00	04/09/20 13:42	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	25	03/29/20 12:16	03/29/20 12:16	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	50	04/02/20 23:09	04/02/20 23:09	JHH	Mt. Juliet, TN

ACCOUNT:

ARCADIS US - Seattle, WA

PROJECT:

30014464

SDG:

L1203719

DATE/TIME:

04/09/20 18:57

PAGE:

3 of 60

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-4 L1203719-05 GW

				Collected by Trevor Bryant	Collected date/time 03/26/20 16:15	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	50	04/06/20 03:14	04/06/20 03:14	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 11:54	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1452760	1	03/30/20 16:28	04/02/20 09:56	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1452760	5	03/30/20 16:28	04/02/20 15:32	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1453002	2	03/31/20 05:29	03/31/20 17:52	LEA	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

MW-5 L1203719-06 GW

				Collected by Trevor Bryant	Collected date/time 03/25/20 15:20	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 17:04	EL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1458062	1	04/09/20 11:00	04/09/20 13:31	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	1	03/29/20 07:38	03/29/20 07:38	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/02/20 23:29	04/02/20 23:29	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/05/20 22:40	04/05/20 22:40	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 12:06	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1453018	1	03/29/20 17:45	04/02/20 00:12	JN	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1452823	1	03/30/20 16:32	03/31/20 09:22	DMG	Mt. Juliet, TN

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-6 L1203719-07 GW

				Collected by Trevor Bryant	Collected date/time 03/26/20 13:04	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 17:07	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	1	03/29/20 07:59	03/29/20 07:59	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/02/20 23:49	04/02/20 23:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/05/20 23:03	04/05/20 23:03	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 12:19	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1452760	1	03/30/20 16:28	04/02/20 10:48	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1453002	1	03/31/20 05:29	03/31/20 18:12	AO	Mt. Juliet, TN

MW-9 L1203719-08 GW

				Collected by Trevor Bryant	Collected date/time 03/26/20 15:50	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 17:10	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	1	03/29/20 08:21	03/29/20 08:21	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/03/20 00:09	04/03/20 00:09	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/05/20 23:26	04/05/20 23:26	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 12:31	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1452760	1	03/30/20 16:28	04/02/20 11:14	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1453002	1	03/31/20 05:29	03/31/20 18:33	LEA	Mt. Juliet, TN

MW-11 L1203719-09 GW

				Collected by Trevor Bryant	Collected date/time 03/25/20 13:15	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 17:13	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452195	1	03/29/20 08:42	03/29/20 08:42	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/03/20 00:29	04/03/20 00:29	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/05/20 23:49	04/05/20 23:49	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 12:43	LEL	Mt. Juliet, TN

ACCOUNT:

ARCADIS US - Seattle, WA

PROJECT:

30014464

SDG:

L1203719

DATE/TIME:

04/09/20 18:57

PAGE:

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-11 L1203719-09 GW

				Collected by Trevor Bryant	Collected date/time 03/25/20 13:15	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1453018	1	03/29/20 17:45	04/02/20 00:33	JN	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1452823	1	03/30/20 16:32	03/31/20 09:42	DMG	Mt. Juliet, TN

MW-12 L1203719-10 GW

				Collected by Trevor Bryant	Collected date/time 03/26/20 15:10	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 17:21	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452724	1	03/30/20 13:56	03/30/20 13:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/03/20 00:49	04/03/20 00:49	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/06/20 00:12	04/06/20 00:12	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453098	1	03/31/20 08:08	04/01/20 12:55	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1452760	1	03/30/20 16:28	04/02/20 11:40	TJD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1453002	1	03/31/20 05:29	03/31/20 18:54	LEA	Mt. Juliet, TN

DUP-1 L1203719-11 GW

				Collected by Trevor Bryant	Collected date/time 03/25/20 00:00	Received date/time 03/28/20 08:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1452321	1	03/30/20 06:35	03/30/20 17:24	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1452724	1	03/30/20 14:17	03/30/20 14:17	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1454874	1	04/03/20 01:09	04/03/20 01:09	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1455961	1	04/06/20 00:35	04/06/20 00:35	JHH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1453099	1	03/31/20 08:06	04/01/20 03:04	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1453018	1	03/29/20 17:45	04/02/20 00:53	JN	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1452823	1	03/30/20 16:32	03/31/20 10:02	DMG	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		1.90	5.00	1	03/30/2020 16:50	WG1452321

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	594		31.6	100	1	03/29/2020 06:12	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	96.7			78.0-120		03/29/2020 06:12	WG1452195

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	2.11	J	1.05	25.0	1	04/02/2020 21:50	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/02/2020 21:50	WG1454874
Benzene	0.171	J	0.0896	0.500	1	04/02/2020 21:50	WG1454874
Bromobenzene	U		0.133	0.500	1	04/02/2020 21:50	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/02/2020 21:50	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/02/2020 21:50	WG1454874
Bromoform	U	JO	0.186	0.500	1	04/02/2020 21:50	WG1454874
Bromomethane	U		0.157	2.50	1	04/02/2020 21:50	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/02/2020 21:50	WG1454874
sec-Butylbenzene	1.12		0.134	0.500	1	04/02/2020 21:50	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/02/2020 21:50	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/02/2020 21:50	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/02/2020 21:50	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/02/2020 21:50	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/02/2020 21:50	WG1454874
Chloroethane	U		0.141	2.50	1	04/02/2020 21:50	WG1454874
Chloroform	U		0.0860	0.500	1	04/02/2020 21:50	WG1454874
Chloromethane	U		0.153	1.25	1	04/02/2020 21:50	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/02/2020 21:50	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/02/2020 21:50	WG1454874
1,2-Dibromo-3-Chloropropane	U	JO	0.325	2.50	1	04/02/2020 21:50	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/02/2020 21:50	WG1454874
Dibromomethane	U		0.117	0.500	1	04/02/2020 21:50	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/02/2020 21:50	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/02/2020 21:50	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/02/2020 21:50	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/02/2020 21:50	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/02/2020 21:50	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/02/2020 21:50	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/02/2020 21:50	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/02/2020 21:50	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/02/2020 21:50	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/02/2020 21:50	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/02/2020 21:50	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/02/2020 21:50	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/02/2020 21:50	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/02/2020 21:50	WG1454874
trans-1,4-Dichloro-2-butene	U	JO	0.257	5.00	1	04/02/2020 21:50	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/02/2020 21:50	WG1454874
Ethylbenzene	1.10		0.158	0.500	1	04/02/2020 21:50	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 21:10	WG1455961
2-Hexanone	U		0.757	5.00	1	04/02/2020 21:50	WG1454874
n-Hexane	U		0.305	5.00	1	04/02/2020 21:50	WG1454874



Collected date/time: 03/25/20 14:10

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/02/2020 21:50	WG1454874
Isopropylbenzene	1.24		0.126	0.500	1	04/02/2020 21:50	WG1454874
p-Isopropyltoluene	1.97		0.138	0.500	1	04/02/2020 21:50	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/02/2020 21:50	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/02/2020 21:50	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/02/2020 21:50	WG1454874
Naphthalene	U		0.174	2.50	1	04/05/2020 21:10	WG1455961
n-Propylbenzene	1.12		0.162	0.500	1	04/02/2020 21:50	WG1454874
Styrene	U		0.117	0.500	1	04/02/2020 21:50	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/02/2020 21:50	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/02/2020 21:50	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/02/2020 21:50	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/02/2020 21:50	WG1454874
Toluene	U		0.412	0.500	1	04/02/2020 21:50	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 21:10	WG1455961
1,2,4-Trichlorobenzene	U	JO J4	0.355	0.500	1	04/02/2020 21:50	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/02/2020 21:50	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/02/2020 21:50	WG1454874
Trichloroethene	U		0.153	0.500	1	04/02/2020 21:50	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/02/2020 21:50	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/02/2020 21:50	WG1454874
1,2,4-Trimethylbenzene	4.40		0.123	0.500	1	04/02/2020 21:50	WG1454874
1,2,3-Trimethylbenzene	0.921		0.0739	0.500	1	04/02/2020 21:50	WG1454874
1,3,5-Trimethylbenzene	0.285	J	0.124	0.500	1	04/02/2020 21:50	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/02/2020 21:50	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/02/2020 21:50	WG1454874
Xylenes, Total	1.06	J	0.316	1.50	1	04/02/2020 21:50	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/02/2020 21:50	WG1454874
Ethanol	U	JO	42.0	100	1	04/02/2020 21:50	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/02/2020 21:50	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/02/2020 21:50	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/02/2020 21:50	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/02/2020 21:50	WG1454874
(S) Toluene-d8	102			80.0-120		04/02/2020 21:50	WG1454874
(S) Toluene-d8	117			80.0-120		04/05/2020 21:10	WG1455961
(S) 4-Bromofluorobenzene	112			77.0-126		04/02/2020 21:50	WG1454874
(S) 4-Bromofluorobenzene	118			77.0-126		04/05/2020 21:10	WG1455961
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/02/2020 21:50	WG1454874
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/05/2020 21:10	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 11:06	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	409		66.7	200	1	04/01/2020 23:52	WG1453018
Residual Range Organics (RRO)	U		83.3	250	1	04/01/2020 23:52	WG1453018
(S) o-Terphenyl	86.8			52.0-156		04/01/2020 23:52	WG1453018



Collected date/time: 03/25/20 14:10

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 09:02	WG1452823
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 09:02	WG1452823
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 09:02	WG1452823
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 09:02	WG1452823
Chrysene	U		0.0108	0.0500	1	03/31/2020 09:02	WG1452823
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 09:02	WG1452823
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 09:02	WG1452823
Naphthalene	0.200	<u>B</u> <u>J</u>	0.0198	0.250	1	03/31/2020 09:02	WG1452823
1-Methylnaphthalene	0.0274	<u>J</u>	0.00821	0.250	1	03/31/2020 09:02	WG1452823
2-Methylnaphthalene	0.0130	<u>J</u>	0.00902	0.250	1	03/31/2020 09:02	WG1452823
(S) Nitrobenzene-d5	80.0			31.0-160		03/31/2020 09:02	WG1452823
(S) 2-Fluorobiphenyl	90.0			48.0-148		03/31/2020 09:02	WG1452823
(S) p-Terphenyl-d14	87.4			37.0-146		03/31/2020 09:02	WG1452823

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		1.90	5.00	1	03/30/2020 16:53	WG1452321

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	104	<u>B</u>	31.6	100	1	03/29/2020 06:33	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		03/29/2020 06:33	WG1452195

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/02/2020 22:10	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/02/2020 22:10	WG1454874
Benzene	U		0.0896	0.500	1	04/02/2020 22:10	WG1454874
Bromobenzene	U		0.133	0.500	1	04/02/2020 22:10	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/02/2020 22:10	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/02/2020 22:10	WG1454874
Bromoform	U	<u>JO</u>	0.186	0.500	1	04/02/2020 22:10	WG1454874
Bromomethane	U		0.157	2.50	1	04/02/2020 22:10	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/02/2020 22:10	WG1454874
sec-Butylbenzene	0.575		0.134	0.500	1	04/02/2020 22:10	WG1454874
tert-Butylbenzene	0.271	<u>J</u>	0.183	0.500	1	04/02/2020 22:10	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/02/2020 22:10	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/02/2020 22:10	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/02/2020 22:10	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/02/2020 22:10	WG1454874
Chloroethane	U		0.141	2.50	1	04/02/2020 22:10	WG1454874
Chloroform	U		0.0860	0.500	1	04/02/2020 22:10	WG1454874
Chloromethane	U		0.153	1.25	1	04/02/2020 22:10	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/02/2020 22:10	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/02/2020 22:10	WG1454874
1,2-Dibromo-3-Chloropropane	U	<u>JO</u>	0.325	2.50	1	04/02/2020 22:10	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/02/2020 22:10	WG1454874
Dibromomethane	U		0.117	0.500	1	04/02/2020 22:10	WG1454874
1,2-Dichlorobenzene	0.366	<u>J</u>	0.101	0.500	1	04/02/2020 22:10	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/02/2020 22:10	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/02/2020 22:10	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/02/2020 22:10	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/02/2020 22:10	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/02/2020 22:10	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/02/2020 22:10	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/02/2020 22:10	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/02/2020 22:10	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/02/2020 22:10	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/02/2020 22:10	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/02/2020 22:10	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/02/2020 22:10	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/02/2020 22:10	WG1454874
trans-1,4-Dichloro-2-butene	U	<u>JO</u>	0.257	5.00	1	04/02/2020 22:10	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/02/2020 22:10	WG1454874
Ethylbenzene	U		0.158	0.500	1	04/02/2020 22:10	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 21:32	WG1455961
2-Hexanone	U		0.757	5.00	1	04/02/2020 22:10	WG1454874
n-Hexane	U		0.305	5.00	1	04/02/2020 22:10	WG1454874



Collected date/time: 03/26/20 14:25

L1203719

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/02/2020 22:10	WG1454874
Isopropylbenzene	U		0.126	0.500	1	04/02/2020 22:10	WG1454874
p-Isopropyltoluene	U		0.138	0.500	1	04/02/2020 22:10	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/02/2020 22:10	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/02/2020 22:10	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/02/2020 22:10	WG1454874
Naphthalene	U	JO	0.174	2.50	1	04/05/2020 21:32	WG1455961
n-Propylbenzene	U		0.162	0.500	1	04/02/2020 22:10	WG1454874
Styrene	U		0.117	0.500	1	04/02/2020 22:10	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/02/2020 22:10	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/02/2020 22:10	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/02/2020 22:10	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/02/2020 22:10	WG1454874
Toluene	U		0.412	0.500	1	04/02/2020 22:10	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 21:32	WG1455961
1,2,4-Trichlorobenzene	U	JO J4	0.355	0.500	1	04/02/2020 22:10	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/02/2020 22:10	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/02/2020 22:10	WG1454874
Trichloroethene	U		0.153	0.500	1	04/02/2020 22:10	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/02/2020 22:10	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/02/2020 22:10	WG1454874
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/02/2020 22:10	WG1454874
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/02/2020 22:10	WG1454874
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/02/2020 22:10	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/02/2020 22:10	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/02/2020 22:10	WG1454874
Xylenes, Total	U		0.316	1.50	1	04/02/2020 22:10	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/02/2020 22:10	WG1454874
Ethanol	U	JO	42.0	100	1	04/02/2020 22:10	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/02/2020 22:10	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/02/2020 22:10	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/02/2020 22:10	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/02/2020 22:10	WG1454874
(S) Toluene-d8	96.3			80.0-120		04/02/2020 22:10	WG1454874
(S) Toluene-d8	119			80.0-120		04/05/2020 21:32	WG1455961
(S) 4-Bromofluorobenzene	99.2			77.0-126		04/02/2020 22:10	WG1454874
(S) 4-Bromofluorobenzene	95.0			77.0-126		04/05/2020 21:32	WG1455961
(S) 1,2-Dichloroethane-d4	114			70.0-130		04/02/2020 22:10	WG1454874
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/05/2020 21:32	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 11:18	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	339		66.7	200	1	04/02/2020 08:38	WG1452760
Residual Range Organics (RRO)	131	J	83.3	250	1	04/02/2020 08:38	WG1452760
(S) o-Terphenyl	99.5			52.0-156		04/02/2020 08:38	WG1452760



Collected date/time: 03/26/20 14:25

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Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 16:50	WG1453002
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 16:50	WG1453002
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 16:50	WG1453002
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 16:50	WG1453002
Chrysene	U		0.0108	0.0500	1	03/31/2020 16:50	WG1453002
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 16:50	WG1453002
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 16:50	WG1453002
Naphthalene	0.0777	B J	0.0198	0.250	1	03/31/2020 16:50	WG1453002
1-Methylnaphthalene	U		0.00821	0.250	1	03/31/2020 16:50	WG1453002
2-Methylnaphthalene	U		0.00902	0.250	1	03/31/2020 16:50	WG1453002
(S) Nitrobenzene-d5	94.5			31.0-160		03/31/2020 16:50	WG1453002
(S) 2-Fluorobiphenyl	94.5			48.0-148		03/31/2020 16:50	WG1453002
(S) p-Terphenyl-d14	91.5			37.0-146		03/31/2020 16:50	WG1453002

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	8.84		1.90	5.00	1	03/30/2020 16:55	WG1452321

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	134	<u>B</u>	31.6	100	1	03/29/2020 06:55	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		03/29/2020 06:55	WG1452195

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/02/2020 22:29	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/02/2020 22:29	WG1454874
Benzene	1.39		0.0896	0.500	1	04/02/2020 22:29	WG1454874
Bromobenzene	U		0.133	0.500	1	04/02/2020 22:29	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/02/2020 22:29	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/02/2020 22:29	WG1454874
Bromoform	U	<u>JO</u>	0.186	0.500	1	04/02/2020 22:29	WG1454874
Bromomethane	U		0.157	2.50	1	04/02/2020 22:29	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/02/2020 22:29	WG1454874
sec-Butylbenzene	U		0.134	0.500	1	04/02/2020 22:29	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/02/2020 22:29	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/02/2020 22:29	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/02/2020 22:29	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/02/2020 22:29	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/02/2020 22:29	WG1454874
Chloroethane	U		0.141	2.50	1	04/02/2020 22:29	WG1454874
Chloroform	U		0.0860	0.500	1	04/02/2020 22:29	WG1454874
Chloromethane	U		0.153	1.25	1	04/02/2020 22:29	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/02/2020 22:29	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/02/2020 22:29	WG1454874
1,2-Dibromo-3-Chloropropane	U	<u>JO</u>	0.325	2.50	1	04/02/2020 22:29	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/02/2020 22:29	WG1454874
Dibromomethane	U		0.117	0.500	1	04/02/2020 22:29	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/02/2020 22:29	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/02/2020 22:29	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/02/2020 22:29	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/02/2020 22:29	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/02/2020 22:29	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/02/2020 22:29	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/02/2020 22:29	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/02/2020 22:29	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/02/2020 22:29	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/02/2020 22:29	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/02/2020 22:29	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/02/2020 22:29	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/02/2020 22:29	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/02/2020 22:29	WG1454874
trans-1,4-Dichloro-2-butene	U	<u>JO</u>	0.257	5.00	1	04/02/2020 22:29	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/02/2020 22:29	WG1454874
Ethylbenzene	U		0.158	0.500	1	04/02/2020 22:29	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 21:55	WG1455961
2-Hexanone	U		0.757	5.00	1	04/02/2020 22:29	WG1454874
n-Hexane	U		0.305	5.00	1	04/02/2020 22:29	WG1454874



Collected date/time: 03/26/20 11:05

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/02/2020 22:29	WG1454874
Isopropylbenzene	0.155	J	0.126	0.500	1	04/02/2020 22:29	WG1454874
p-Isopropyltoluene	U		0.138	0.500	1	04/02/2020 22:29	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/02/2020 22:29	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/02/2020 22:29	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/02/2020 22:29	WG1454874
Naphthalene	U	JO	0.174	2.50	1	04/05/2020 21:55	WG1455961
n-Propylbenzene	U		0.162	0.500	1	04/02/2020 22:29	WG1454874
Styrene	U		0.117	0.500	1	04/02/2020 22:29	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/02/2020 22:29	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/02/2020 22:29	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/02/2020 22:29	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/02/2020 22:29	WG1454874
Toluene	U		0.412	0.500	1	04/02/2020 22:29	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 21:55	WG1455961
1,2,4-Trichlorobenzene	U	JO J4	0.355	0.500	1	04/02/2020 22:29	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/02/2020 22:29	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/02/2020 22:29	WG1454874
Trichloroethene	U		0.153	0.500	1	04/02/2020 22:29	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/02/2020 22:29	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/02/2020 22:29	WG1454874
1,2,4-Trimethylbenzene	0.575	B	0.123	0.500	1	04/02/2020 22:29	WG1454874
1,2,3-Trimethylbenzene	0.494	J	0.0739	0.500	1	04/02/2020 22:29	WG1454874
1,3,5-Trimethylbenzene	0.161	J	0.124	0.500	1	04/02/2020 22:29	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/02/2020 22:29	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/02/2020 22:29	WG1454874
Xylenes, Total	U		0.316	1.50	1	04/02/2020 22:29	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/02/2020 22:29	WG1454874
Ethanol	U	JO	42.0	100	1	04/02/2020 22:29	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/02/2020 22:29	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/02/2020 22:29	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/02/2020 22:29	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/02/2020 22:29	WG1454874
(S) Toluene-d8	99.1			80.0-120		04/02/2020 22:29	WG1454874
(S) Toluene-d8	106			80.0-120		04/05/2020 21:55	WG1455961
(S) 4-Bromofluorobenzene	100			77.0-126		04/02/2020 22:29	WG1454874
(S) 4-Bromofluorobenzene	88.5			77.0-126		04/05/2020 21:55	WG1455961
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/02/2020 22:29	WG1454874
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/05/2020 21:55	WG1455961

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 11:30	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2400		66.7	200	1	04/02/2020 09:04	WG1452760
Residual Range Organics (RRO)	456		83.3	250	1	04/02/2020 09:04	WG1452760
(S) o-Terphenyl	107			52.0-156		04/02/2020 09:04	WG1452760



Collected date/time: 03/26/20 11:05

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 17:10	WG1453002
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 17:10	WG1453002
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 17:10	WG1453002
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 17:10	WG1453002
Chrysene	U		0.0108	0.0500	1	03/31/2020 17:10	WG1453002
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 17:10	WG1453002
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 17:10	WG1453002
Naphthalene	0.0939	B J	0.0198	0.250	1	03/31/2020 17:10	WG1453002
1-Methylnaphthalene	U		0.00821	0.250	1	03/31/2020 17:10	WG1453002
2-Methylnaphthalene	U		0.00902	0.250	1	03/31/2020 17:10	WG1453002
(S) Nitrobenzene-d5	99.0			31.0-160		03/31/2020 17:10	WG1453002
(S) 2-Fluorobiphenyl	92.5			48.0-148		03/31/2020 17:10	WG1453002
(S) p-Terphenyl-d14	90.5			37.0-146		03/31/2020 17:10	WG1453002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		1.90	5.00	1	03/30/2020 16:58	WG1452321

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/29/2020 07:16	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	96.3			78.0-120		03/29/2020 07:16	WG1452195

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/02/2020 22:49	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/02/2020 22:49	WG1454874
Benzene	U		0.0896	0.500	1	04/02/2020 22:49	WG1454874
Bromobenzene	U		0.133	0.500	1	04/02/2020 22:49	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/02/2020 22:49	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/02/2020 22:49	WG1454874
Bromoform	U	JO	0.186	0.500	1	04/02/2020 22:49	WG1454874
Bromomethane	U		0.157	2.50	1	04/02/2020 22:49	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/02/2020 22:49	WG1454874
sec-Butylbenzene	U		0.134	0.500	1	04/02/2020 22:49	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/02/2020 22:49	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/02/2020 22:49	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/02/2020 22:49	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/02/2020 22:49	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/02/2020 22:49	WG1454874
Chloroethane	U		0.141	2.50	1	04/02/2020 22:49	WG1454874
Chloroform	U		0.0860	0.500	1	04/02/2020 22:49	WG1454874
Chloromethane	U		0.153	1.25	1	04/02/2020 22:49	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/02/2020 22:49	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/02/2020 22:49	WG1454874
1,2-Dibromo-3-Chloropropane	U	JO	0.325	2.50	1	04/02/2020 22:49	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/02/2020 22:49	WG1454874
Dibromomethane	U		0.117	0.500	1	04/02/2020 22:49	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/02/2020 22:49	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/02/2020 22:49	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/02/2020 22:49	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/02/2020 22:49	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/02/2020 22:49	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/02/2020 22:49	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/02/2020 22:49	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/02/2020 22:49	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/02/2020 22:49	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/02/2020 22:49	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/02/2020 22:49	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/02/2020 22:49	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/02/2020 22:49	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/02/2020 22:49	WG1454874
trans-1,4-Dichloro-2-butene	U	JO	0.257	5.00	1	04/02/2020 22:49	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/02/2020 22:49	WG1454874
Ethylbenzene	U		0.158	0.500	1	04/02/2020 22:49	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 22:18	WG1455961
2-Hexanone	U		0.757	5.00	1	04/02/2020 22:49	WG1454874
n-Hexane	U		0.305	5.00	1	04/02/2020 22:49	WG1454874



Collected date/time: 03/26/20 13:45

L1203719

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/02/2020 22:49	WG1454874
Isopropylbenzene	U		0.126	0.500	1	04/02/2020 22:49	WG1454874
p-Isopropyltoluene	U		0.138	0.500	1	04/02/2020 22:49	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/02/2020 22:49	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/02/2020 22:49	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/02/2020 22:49	WG1454874
Naphthalene	U	<u>JO</u>	0.174	2.50	1	04/05/2020 22:18	WG1455961
n-Propylbenzene	U		0.162	0.500	1	04/02/2020 22:49	WG1454874
Styrene	U		0.117	0.500	1	04/02/2020 22:49	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/02/2020 22:49	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/02/2020 22:49	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/02/2020 22:49	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/02/2020 22:49	WG1454874
Toluene	U		0.412	0.500	1	04/02/2020 22:49	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 22:18	WG1455961
1,2,4-Trichlorobenzene	U	<u>JO J4</u>	0.355	0.500	1	04/02/2020 22:49	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/02/2020 22:49	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/02/2020 22:49	WG1454874
Trichloroethene	U		0.153	0.500	1	04/02/2020 22:49	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/02/2020 22:49	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/02/2020 22:49	WG1454874
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/02/2020 22:49	WG1454874
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/02/2020 22:49	WG1454874
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/02/2020 22:49	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/02/2020 22:49	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/02/2020 22:49	WG1454874
Xylenes, Total	U		0.316	1.50	1	04/02/2020 22:49	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/02/2020 22:49	WG1454874
Ethanol	U	<u>JO</u>	42.0	100	1	04/02/2020 22:49	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/02/2020 22:49	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/02/2020 22:49	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/02/2020 22:49	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/02/2020 22:49	WG1454874
(S) Toluene-d8	97.4			80.0-120		04/02/2020 22:49	WG1454874
(S) Toluene-d8	116			80.0-120		04/05/2020 22:18	WG1455961
(S) 4-Bromofluorobenzene	100			77.0-126		04/02/2020 22:49	WG1454874
(S) 4-Bromofluorobenzene	83.6			77.0-126		04/05/2020 22:18	WG1455961
(S) 1,2-Dichloroethane-d4	111			70.0-130		04/02/2020 22:49	WG1454874
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/05/2020 22:18	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 11:42	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	101	<u>J</u>	66.7	200	1	04/02/2020 09:30	WG1452760
Residual Range Organics (RRO)	94.3	<u>J</u>	83.3	250	1	04/02/2020 09:30	WG1452760
(S) o-Terphenyl	94.7			52.0-156		04/02/2020 09:30	WG1452760



Collected date/time: 03/26/20 13:45

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 17:31	WG1453002
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 17:31	WG1453002
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 17:31	WG1453002
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 17:31	WG1453002
Chrysene	U		0.0108	0.0500	1	03/31/2020 17:31	WG1453002
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 17:31	WG1453002
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 17:31	WG1453002
Naphthalene	0.0293	B J	0.0198	0.250	1	03/31/2020 17:31	WG1453002
1-Methylnaphthalene	U		0.00821	0.250	1	03/31/2020 17:31	WG1453002
2-Methylnaphthalene	U		0.00902	0.250	1	03/31/2020 17:31	WG1453002
(S) Nitrobenzene-d5	105			31.0-160		03/31/2020 17:31	WG1453002
(S) 2-Fluorobiphenyl	95.0			48.0-148		03/31/2020 17:31	WG1453002
(S) p-Terphenyl-d14	91.0			37.0-146		03/31/2020 17:31	WG1453002

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	204		1.90	5.00	1	03/30/2020 17:01	WG1452321
Lead,Dissolved	53.5		2.95	6.00	1	04/09/2020 13:42	WG1458062

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	17400		790	2500	25	03/29/2020 12:16	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	95.4			78.0-120		03/29/2020 12:16	WG1452195

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		52.5	1250	50	04/02/2020 23:09	WG1454874
Acrylonitrile	U		43.7	250	50	04/02/2020 23:09	WG1454874
Benzene	162		4.48	25.0	50	04/02/2020 23:09	WG1454874
Bromobenzene	U		6.65	25.0	50	04/02/2020 23:09	WG1454874
Bromodichloromethane	U		4.00	25.0	50	04/02/2020 23:09	WG1454874
Bromochloromethane	U		7.25	25.0	50	04/02/2020 23:09	WG1454874
Bromoform	U	JO	9.30	25.0	50	04/02/2020 23:09	WG1454874
Bromomethane	U		7.85	125	50	04/02/2020 23:09	WG1454874
n-Butylbenzene	U		7.15	25.0	50	04/02/2020 23:09	WG1454874
sec-Butylbenzene	10.3	J	6.70	25.0	50	04/02/2020 23:09	WG1454874
tert-Butylbenzene	U		9.15	25.0	50	04/02/2020 23:09	WG1454874
Carbon disulfide	U		5.05	25.0	50	04/02/2020 23:09	WG1454874
Carbon tetrachloride	U		7.95	25.0	50	04/02/2020 23:09	WG1454874
Chlorobenzene	U		7.00	25.0	50	04/02/2020 23:09	WG1454874
Chlorodibromomethane	U		6.40	25.0	50	04/02/2020 23:09	WG1454874
Chloroethane	U		7.05	125	50	04/02/2020 23:09	WG1454874
Chloroform	U		4.30	25.0	50	04/02/2020 23:09	WG1454874
Chloromethane	U		7.65	62.5	50	04/02/2020 23:09	WG1454874
2-Chlorotoluene	U		5.55	25.0	50	04/02/2020 23:09	WG1454874
4-Chlorotoluene	U		4.86	25.0	50	04/02/2020 23:09	WG1454874
1,2-Dibromo-3-Chloropropane	U	JO	16.3	125	50	04/02/2020 23:09	WG1454874
1,2-Dibromoethane	U		9.65	25.0	50	04/02/2020 23:09	WG1454874
Dibromomethane	U		5.85	25.0	50	04/02/2020 23:09	WG1454874
1,2-Dichlorobenzene	U		5.05	25.0	50	04/02/2020 23:09	WG1454874
1,3-Dichlorobenzene	U		6.50	25.0	50	04/02/2020 23:09	WG1454874
1,4-Dichlorobenzene	U		6.05	25.0	50	04/02/2020 23:09	WG1454874
Dichlorodifluoromethane	U		6.35	125	50	04/02/2020 23:09	WG1454874
1,1-Dichloroethane	U		5.70	25.0	50	04/02/2020 23:09	WG1454874
1,2-Dichloroethane	U		5.40	25.0	50	04/02/2020 23:09	WG1454874
1,1-Dichloroethene	U		9.40	25.0	50	04/02/2020 23:09	WG1454874
cis-1,2-Dichloroethene	U		4.67	25.0	50	04/02/2020 23:09	WG1454874
trans-1,2-Dichloroethene	U		7.60	25.0	50	04/02/2020 23:09	WG1454874
1,2-Dichloropropane	U		9.50	25.0	50	04/02/2020 23:09	WG1454874
1,1-Dichloropropene	U		6.40	25.0	50	04/02/2020 23:09	WG1454874
1,3-Dichloropropane	U		7.35	50.0	50	04/02/2020 23:09	WG1454874
cis-1,3-Dichloropropene	U		4.88	25.0	50	04/02/2020 23:09	WG1454874
trans-1,3-Dichloropropene	U		11.1	25.0	50	04/02/2020 23:09	WG1454874
trans-1,4-Dichloro-2-butene	U	JO	12.9	250	50	04/02/2020 23:09	WG1454874
2,2-Dichloropropane	U		4.65	25.0	50	04/02/2020 23:09	WG1454874
Ethylbenzene	130		7.90	25.0	50	04/02/2020 23:09	WG1454874
Hexachloro-1,3-butadiene	U		7.85	50.0	50	04/06/2020 03:14	WG1455961
2-Hexanone	U		37.9	250	50	04/02/2020 23:09	WG1454874





Collected date/time: 03/26/20 16:15

L1203719

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
n-Hexane	109	U	15.3	250	50	04/02/2020 23:09	WG1454874
Iodomethane	U		18.9	500	50	04/02/2020 23:09	WG1454874
Isopropylbenzene	17.4	U	6.30	25.0	50	04/02/2020 23:09	WG1454874
p-Isopropyltoluene	16.6	U	6.90	25.0	50	04/02/2020 23:09	WG1454874
2-Butanone (MEK)	U		64.0	250	50	04/02/2020 23:09	WG1454874
Methylene Chloride	U		53.5	125	50	04/02/2020 23:09	WG1454874
4-Methyl-2-pentanone (MIBK)	U		41.2	250	50	04/02/2020 23:09	WG1454874
Naphthalene	131	JO	8.70	125	50	04/06/2020 03:14	WG1455961
n-Propylbenzene	28.2		8.10	25.0	50	04/02/2020 23:09	WG1454874
Styrene	U		5.85	25.0	50	04/02/2020 23:09	WG1454874
1,1,1,2-Tetrachloroethane	U		6.00	25.0	50	04/02/2020 23:09	WG1454874
1,1,2,2-Tetrachloroethane	U		6.50	25.0	50	04/02/2020 23:09	WG1454874
1,1,2-Trichlorotrifluoroethane	U		8.20	25.0	50	04/02/2020 23:09	WG1454874
Tetrachloroethene	U		9.95	25.0	50	04/02/2020 23:09	WG1454874
Toluene	209		20.6	25.0	50	04/02/2020 23:09	WG1454874
1,2,3-Trichlorobenzene	U		8.20	25.0	50	04/06/2020 03:14	WG1455961
1,2,4-Trichlorobenzene	U	JO J4	17.8	25.0	50	04/02/2020 23:09	WG1454874
1,1,1-Trichloroethane	U		4.70	25.0	50	04/02/2020 23:09	WG1454874
1,1,2-Trichloroethane	U		9.30	25.0	50	04/02/2020 23:09	WG1454874
Trichloroethene	U		7.65	25.0	50	04/02/2020 23:09	WG1454874
Trichlorofluoromethane	U		6.50	125	50	04/02/2020 23:09	WG1454874
1,2,3-Trichloropropane	U		12.3	125	50	04/02/2020 23:09	WG1454874
1,2,4-Trimethylbenzene	729		6.15	25.0	50	04/02/2020 23:09	WG1454874
1,2,3-Trimethylbenzene	536		3.69	25.0	50	04/02/2020 23:09	WG1454874
1,3,5-Trimethylbenzene	252		6.20	25.0	50	04/02/2020 23:09	WG1454874
Vinyl acetate	U		32.3	250	50	04/02/2020 23:09	WG1454874
Vinyl chloride	U		5.90	25.0	50	04/02/2020 23:09	WG1454874
Xylenes, Total	1670		0.316	1.50	50	04/02/2020 23:09	WG1454874
Di-isopropyl ether	U		4.62	25.0	50	04/02/2020 23:09	WG1454874
Ethanol	U	JO	2100	5000	50	04/02/2020 23:09	WG1454874
Ethyl tert-butyl ether	U		13.5	50.0	50	04/02/2020 23:09	WG1454874
Methyl tert-butyl ether	U		5.10	25.0	50	04/02/2020 23:09	WG1454874
tert-Butyl alcohol	U		120	250	50	04/02/2020 23:09	WG1454874
tert-Amyl Methyl Ether	U		13.0	50.0	50	04/02/2020 23:09	WG1454874
(S) Toluene-d8	98.3			80.0-120		04/02/2020 23:09	WG1454874
(S) Toluene-d8	104			80.0-120		04/06/2020 03:14	WG1455961
(S) 4-Bromofluorobenzene	98.9			77.0-126		04/02/2020 23:09	WG1454874
(S) 4-Bromofluorobenzene	91.3			77.0-126		04/06/2020 03:14	WG1455961
(S) 1,2-Dichloroethane-d4	111			70.0-130		04/02/2020 23:09	WG1454874
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/06/2020 03:14	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 11:54	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	11200		333	1000	5	04/02/2020 15:32	WG1452760
Residual Range Organics (RRO)	439		83.3	250	1	04/02/2020 09:56	WG1452760
(S) o-Terphenyl	92.1			52.0-156		04/02/2020 09:56	WG1452760
(S) o-Terphenyl	99.5			52.0-156		04/02/2020 15:32	WG1452760

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	0.0381	J	0.00820	0.100	2	03/31/2020 17:52	WG1453002
Benzo(a)pyrene	0.0250	J	0.0232	0.100	2	03/31/2020 17:52	WG1453002
Benzo(b)fluoranthene	0.0344	J	0.00424	0.100	2	03/31/2020 17:52	WG1453002
Benzo(k)fluoranthene	U		0.0272	0.100	2	03/31/2020 17:52	WG1453002
Chrysene	U		0.0216	0.100	2	03/31/2020 17:52	WG1453002
Dibenz(a,h)anthracene	U		0.00792	0.100	2	03/31/2020 17:52	WG1453002
Indeno(1,2,3-cd)pyrene	U		0.0296	0.100	2	03/31/2020 17:52	WG1453002
Naphthalene	113		0.0396	0.500	2	03/31/2020 17:52	WG1453002
1-Methylnaphthalene	21.7		0.0164	0.500	2	03/31/2020 17:52	WG1453002
2-Methylnaphthalene	35.5		0.0180	0.500	2	03/31/2020 17:52	WG1453002
(S) Nitrobenzene-d5	369	J1		31.0-160		03/31/2020 17:52	WG1453002
(S) 2-Fluorobiphenyl	71.5			48.0-148		03/31/2020 17:52	WG1453002
(S) p-Terphenyl-d14	73.5			37.0-146		03/31/2020 17:52	WG1453002

Sample Narrative:
L1203719-05 WG1453002: Dilution due to matrix impact during extraction procedure

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	21.2		1.90	5.00	1	03/30/2020 17:04	WG1452321
Lead,Dissolved	3.84	<u>J</u>	2.95	6.00	1	04/09/2020 13:31	WG1458062

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/29/2020 07:38	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	96.2			78.0-120		03/29/2020 07:38	WG1452195

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	4.28	<u>J</u>	1.05	25.0	1	04/02/2020 23:29	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/02/2020 23:29	WG1454874
Benzene	U		0.0896	0.500	1	04/02/2020 23:29	WG1454874
Bromobenzene	U		0.133	0.500	1	04/02/2020 23:29	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/02/2020 23:29	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/02/2020 23:29	WG1454874
Bromoform	U	<u>JO</u>	0.186	0.500	1	04/02/2020 23:29	WG1454874
Bromomethane	U		0.157	2.50	1	04/02/2020 23:29	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/02/2020 23:29	WG1454874
sec-Butylbenzene	U		0.134	0.500	1	04/02/2020 23:29	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/02/2020 23:29	WG1454874
Carbon disulfide	1.23		0.101	0.500	1	04/02/2020 23:29	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/02/2020 23:29	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/02/2020 23:29	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/02/2020 23:29	WG1454874
Chloroethane	U		0.141	2.50	1	04/02/2020 23:29	WG1454874
Chloroform	U		0.0860	0.500	1	04/02/2020 23:29	WG1454874
Chloromethane	U		0.153	1.25	1	04/02/2020 23:29	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/02/2020 23:29	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/02/2020 23:29	WG1454874
1,2-Dibromo-3-Chloropropane	U	<u>JO</u>	0.325	2.50	1	04/02/2020 23:29	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/02/2020 23:29	WG1454874
Dibromomethane	U		0.117	0.500	1	04/02/2020 23:29	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/02/2020 23:29	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/02/2020 23:29	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/02/2020 23:29	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/02/2020 23:29	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/02/2020 23:29	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/02/2020 23:29	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/02/2020 23:29	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/02/2020 23:29	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/02/2020 23:29	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/02/2020 23:29	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/02/2020 23:29	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/02/2020 23:29	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/02/2020 23:29	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/02/2020 23:29	WG1454874
trans-1,4-Dichloro-2-butene	U	<u>JO</u>	0.257	5.00	1	04/02/2020 23:29	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/02/2020 23:29	WG1454874
Ethylbenzene	U		0.158	0.500	1	04/02/2020 23:29	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 22:40	WG1455961
2-Hexanone	U		0.757	5.00	1	04/02/2020 23:29	WG1454874





Collected date/time: 03/25/20 15:20

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
n-Hexane	U		0.305	5.00	1	04/02/2020 23:29	WG1454874
Iodomethane	U		0.377	10.0	1	04/02/2020 23:29	WG1454874
Isopropylbenzene	U		0.126	0.500	1	04/02/2020 23:29	WG1454874
p-Isopropyltoluene	U		0.138	0.500	1	04/02/2020 23:29	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/02/2020 23:29	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/02/2020 23:29	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/02/2020 23:29	WG1454874
Naphthalene	U	<u>JO</u>	0.174	2.50	1	04/05/2020 22:40	WG1455961
n-Propylbenzene	U		0.162	0.500	1	04/02/2020 23:29	WG1454874
Styrene	U		0.117	0.500	1	04/02/2020 23:29	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/02/2020 23:29	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/02/2020 23:29	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/02/2020 23:29	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/02/2020 23:29	WG1454874
Toluene	U		0.412	0.500	1	04/02/2020 23:29	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 22:40	WG1455961
1,2,4-Trichlorobenzene	U	<u>JO J4</u>	0.355	0.500	1	04/02/2020 23:29	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/02/2020 23:29	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/02/2020 23:29	WG1454874
Trichloroethene	U		0.153	0.500	1	04/02/2020 23:29	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/02/2020 23:29	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/02/2020 23:29	WG1454874
1,2,4-Trimethylbenzene	0.209	<u>BJ</u>	0.123	0.500	1	04/02/2020 23:29	WG1454874
1,2,3-Trimethylbenzene	0.193	<u>J</u>	0.0739	0.500	1	04/02/2020 23:29	WG1454874
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/02/2020 23:29	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/02/2020 23:29	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/02/2020 23:29	WG1454874
Xylenes, Total	U		0.316	1.50	1	04/02/2020 23:29	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/02/2020 23:29	WG1454874
Ethanol	U	<u>JO</u>	42.0	100	1	04/02/2020 23:29	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/02/2020 23:29	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/02/2020 23:29	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/02/2020 23:29	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/02/2020 23:29	WG1454874
(S) Toluene-d8	97.5			80.0-120		04/02/2020 23:29	WG1454874
(S) Toluene-d8	111			80.0-120		04/05/2020 22:40	WG1455961
(S) 4-Bromofluorobenzene	97.9			77.0-126		04/02/2020 23:29	WG1454874
(S) 4-Bromofluorobenzene	83.3			77.0-126		04/05/2020 22:40	WG1455961
(S) 1,2-Dichloroethane-d4	111			70.0-130		04/02/2020 23:29	WG1454874
(S) 1,2-Dichloroethane-d4	112			70.0-130		04/05/2020 22:40	WG1455961

¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 12:06	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	300		66.7	200	1	04/02/2020 00:12	WG1453018
Residual Range Organics (RRO)	108	<u>J</u>	83.3	250	1	04/02/2020 00:12	WG1453018
(S) o-Terphenyl	78.9			52.0-156		04/02/2020 00:12	WG1453018



Collected date/time: 03/25/20 15:20

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 09:22	WG1452823
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 09:22	WG1452823
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 09:22	WG1452823
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 09:22	WG1452823
Chrysene	U		0.0108	0.0500	1	03/31/2020 09:22	WG1452823
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 09:22	WG1452823
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 09:22	WG1452823
Naphthalene	0.0349	<u>B J</u>	0.0198	0.250	1	03/31/2020 09:22	WG1452823
1-Methylnaphthalene	U		0.00821	0.250	1	03/31/2020 09:22	WG1452823
2-Methylnaphthalene	U		0.00902	0.250	1	03/31/2020 09:22	WG1452823
(S) Nitrobenzene-d5	84.2			31.0-160		03/31/2020 09:22	WG1452823
(S) 2-Fluorobiphenyl	90.5			48.0-148		03/31/2020 09:22	WG1452823
(S) p-Terphenyl-d14	88.4			37.0-146		03/31/2020 09:22	WG1452823

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		1.90	5.00	1	03/30/2020 17:07	WG1452321

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/29/2020 07:59	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	96.3			78.0-120		03/29/2020 07:59	WG1452195

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	1.20	J	1.05	25.0	1	04/02/2020 23:49	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/02/2020 23:49	WG1454874
Benzene	U		0.0896	0.500	1	04/02/2020 23:49	WG1454874
Bromobenzene	U		0.133	0.500	1	04/02/2020 23:49	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/02/2020 23:49	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/02/2020 23:49	WG1454874
Bromoform	U	JO	0.186	0.500	1	04/02/2020 23:49	WG1454874
Bromomethane	U		0.157	2.50	1	04/02/2020 23:49	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/02/2020 23:49	WG1454874
sec-Butylbenzene	U		0.134	0.500	1	04/02/2020 23:49	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/02/2020 23:49	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/02/2020 23:49	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/02/2020 23:49	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/02/2020 23:49	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/02/2020 23:49	WG1454874
Chloroethane	U		0.141	2.50	1	04/02/2020 23:49	WG1454874
Chloroform	U		0.0860	0.500	1	04/02/2020 23:49	WG1454874
Chloromethane	U		0.153	1.25	1	04/02/2020 23:49	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/02/2020 23:49	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/02/2020 23:49	WG1454874
1,2-Dibromo-3-Chloropropane	U	JO	0.325	2.50	1	04/02/2020 23:49	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/02/2020 23:49	WG1454874
Dibromomethane	U		0.117	0.500	1	04/02/2020 23:49	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/02/2020 23:49	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/02/2020 23:49	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/02/2020 23:49	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/02/2020 23:49	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/02/2020 23:49	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/02/2020 23:49	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/02/2020 23:49	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/02/2020 23:49	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/02/2020 23:49	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/02/2020 23:49	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/02/2020 23:49	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/02/2020 23:49	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/02/2020 23:49	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/02/2020 23:49	WG1454874
trans-1,4-Dichloro-2-butene	U	JO	0.257	5.00	1	04/02/2020 23:49	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/02/2020 23:49	WG1454874
Ethylbenzene	U		0.158	0.500	1	04/02/2020 23:49	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 23:03	WG1455961
2-Hexanone	U		0.757	5.00	1	04/02/2020 23:49	WG1454874
n-Hexane	U		0.305	5.00	1	04/02/2020 23:49	WG1454874



Collected date/time: 03/26/20 13:04

L1203719

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/02/2020 23:49	WG1454874
Isopropylbenzene	U		0.126	0.500	1	04/02/2020 23:49	WG1454874
p-Isopropyltoluene	U		0.138	0.500	1	04/02/2020 23:49	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/02/2020 23:49	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/02/2020 23:49	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/02/2020 23:49	WG1454874
Naphthalene	U		0.174	2.50	1	04/05/2020 23:03	WG1455961
n-Propylbenzene	U		0.162	0.500	1	04/02/2020 23:49	WG1454874
Styrene	U		0.117	0.500	1	04/02/2020 23:49	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/02/2020 23:49	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/02/2020 23:49	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/02/2020 23:49	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/02/2020 23:49	WG1454874
Toluene	U		0.412	0.500	1	04/02/2020 23:49	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 23:03	WG1455961
1,2,4-Trichlorobenzene	U	JO J4	0.355	0.500	1	04/02/2020 23:49	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/02/2020 23:49	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/02/2020 23:49	WG1454874
Trichloroethene	U		0.153	0.500	1	04/02/2020 23:49	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/02/2020 23:49	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/02/2020 23:49	WG1454874
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/02/2020 23:49	WG1454874
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/02/2020 23:49	WG1454874
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/02/2020 23:49	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/02/2020 23:49	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/02/2020 23:49	WG1454874
Xylenes, Total	U		0.316	1.50	1	04/02/2020 23:49	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/02/2020 23:49	WG1454874
Ethanol	U	JO	42.0	100	1	04/02/2020 23:49	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/02/2020 23:49	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/02/2020 23:49	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/02/2020 23:49	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/02/2020 23:49	WG1454874
(S) Toluene-d8	96.4			80.0-120		04/02/2020 23:49	WG1454874
(S) Toluene-d8	110			80.0-120		04/05/2020 23:03	WG1455961
(S) 4-Bromofluorobenzene	98.4			77.0-126		04/02/2020 23:49	WG1454874
(S) 4-Bromofluorobenzene	77.4			77.0-126		04/05/2020 23:03	WG1455961
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/02/2020 23:49	WG1454874
(S) 1,2-Dichloroethane-d4	114			70.0-130		04/05/2020 23:03	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 12:19	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	73.9	J	66.7	200	1	04/02/2020 10:48	WG1452760
Residual Range Organics (RRO)	152	J	83.3	250	1	04/02/2020 10:48	WG1452760
(S) o-Terphenyl	102			52.0-156		04/02/2020 10:48	WG1452760



Collected date/time: 03/26/20 13:04

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 18:12	WG1453002
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 18:12	WG1453002
Benzo(b)fluoranthene	0.00655	U	0.00212	0.0500	1	03/31/2020 18:12	WG1453002
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 18:12	WG1453002
Chrysene	0.0112	U	0.0108	0.0500	1	03/31/2020 18:12	WG1453002
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 18:12	WG1453002
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 18:12	WG1453002
Naphthalene	0.0625	B, U	0.0198	0.250	1	03/31/2020 18:12	WG1453002
1-Methylnaphthalene	0.0164	U	0.00821	0.250	1	03/31/2020 18:12	WG1453002
2-Methylnaphthalene	0.0200	U	0.00902	0.250	1	03/31/2020 18:12	WG1453002
(S) Nitrobenzene-d5	110			31.0-160		03/31/2020 18:12	WG1453002
(S) 2-Fluorobiphenyl	98.5			48.0-148		03/31/2020 18:12	WG1453002
(S) p-Terphenyl-d14	95.0			37.0-146		03/31/2020 18:12	WG1453002

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		1.90	5.00	1	03/30/2020 17:10	WG1452321

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	03/29/2020 08:21	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	96.4			78.0-120		03/29/2020 08:21	WG1452195

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/03/2020 00:09	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/03/2020 00:09	WG1454874
Benzene	U		0.0896	0.500	1	04/03/2020 00:09	WG1454874
Bromobenzene	U		0.133	0.500	1	04/03/2020 00:09	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/03/2020 00:09	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/03/2020 00:09	WG1454874
Bromoform	U	JO	0.186	0.500	1	04/03/2020 00:09	WG1454874
Bromomethane	U		0.157	2.50	1	04/03/2020 00:09	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/03/2020 00:09	WG1454874
sec-Butylbenzene	U		0.134	0.500	1	04/03/2020 00:09	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/03/2020 00:09	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/03/2020 00:09	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/03/2020 00:09	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/03/2020 00:09	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/03/2020 00:09	WG1454874
Chloroethane	U		0.141	2.50	1	04/03/2020 00:09	WG1454874
Chloroform	U		0.0860	0.500	1	04/03/2020 00:09	WG1454874
Chloromethane	U		0.153	1.25	1	04/03/2020 00:09	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/03/2020 00:09	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/03/2020 00:09	WG1454874
1,2-Dibromo-3-Chloropropane	U	JO	0.325	2.50	1	04/03/2020 00:09	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/03/2020 00:09	WG1454874
Dibromomethane	U		0.117	0.500	1	04/03/2020 00:09	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/03/2020 00:09	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/03/2020 00:09	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/03/2020 00:09	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/03/2020 00:09	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/03/2020 00:09	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/03/2020 00:09	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/03/2020 00:09	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/03/2020 00:09	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/03/2020 00:09	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/03/2020 00:09	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/03/2020 00:09	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/03/2020 00:09	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/03/2020 00:09	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/03/2020 00:09	WG1454874
trans-1,4-Dichloro-2-butene	U	JO	0.257	5.00	1	04/03/2020 00:09	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/03/2020 00:09	WG1454874
Ethylbenzene	U		0.158	0.500	1	04/03/2020 00:09	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 23:26	WG1455961
2-Hexanone	U		0.757	5.00	1	04/03/2020 00:09	WG1454874
n-Hexane	U		0.305	5.00	1	04/03/2020 00:09	WG1454874



Collected date/time: 03/26/20 15:50

L1203719

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/03/2020 00:09	WG1454874
Isopropylbenzene	U		0.126	0.500	1	04/03/2020 00:09	WG1454874
p-Isopropyltoluene	U		0.138	0.500	1	04/03/2020 00:09	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/03/2020 00:09	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/03/2020 00:09	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/03/2020 00:09	WG1454874
Naphthalene	U	<u>JO</u>	0.174	2.50	1	04/05/2020 23:26	WG1455961
n-Propylbenzene	U		0.162	0.500	1	04/03/2020 00:09	WG1454874
Styrene	U		0.117	0.500	1	04/03/2020 00:09	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/03/2020 00:09	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/03/2020 00:09	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/03/2020 00:09	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/03/2020 00:09	WG1454874
Toluene	U		0.412	0.500	1	04/03/2020 00:09	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 23:26	WG1455961
1,2,4-Trichlorobenzene	U	<u>JO J4</u>	0.355	0.500	1	04/03/2020 00:09	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/03/2020 00:09	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/03/2020 00:09	WG1454874
Trichloroethene	U		0.153	0.500	1	04/03/2020 00:09	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/03/2020 00:09	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/03/2020 00:09	WG1454874
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/03/2020 00:09	WG1454874
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/03/2020 00:09	WG1454874
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/03/2020 00:09	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/03/2020 00:09	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/03/2020 00:09	WG1454874
Xylenes, Total	U		0.316	1.50	1	04/03/2020 00:09	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/03/2020 00:09	WG1454874
Ethanol	U	<u>JO</u>	42.0	100	1	04/03/2020 00:09	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/03/2020 00:09	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/03/2020 00:09	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/03/2020 00:09	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/03/2020 00:09	WG1454874
(S) Toluene-d8	100			80.0-120		04/03/2020 00:09	WG1454874
(S) Toluene-d8	112			80.0-120		04/05/2020 23:26	WG1455961
(S) 4-Bromofluorobenzene	99.4			77.0-126		04/03/2020 00:09	WG1454874
(S) 4-Bromofluorobenzene	77.4			77.0-126		04/05/2020 23:26	WG1455961
(S) 1,2-Dichloroethane-d4	112			70.0-130		04/03/2020 00:09	WG1454874
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/05/2020 23:26	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 12:31	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	190	<u>J</u>	66.7	200	1	04/02/2020 11:14	WG1452760
Residual Range Organics (RRO)	199	<u>J</u>	83.3	250	1	04/02/2020 11:14	WG1452760
(S) o-Terphenyl	99.5			52.0-156		04/02/2020 11:14	WG1452760



Collected date/time: 03/26/20 15:50

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 18:33	WG1453002
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 18:33	WG1453002
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 18:33	WG1453002
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 18:33	WG1453002
Chrysene	U		0.0108	0.0500	1	03/31/2020 18:33	WG1453002
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 18:33	WG1453002
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 18:33	WG1453002
Naphthalene	0.0244	B J	0.0198	0.250	1	03/31/2020 18:33	WG1453002
1-Methylnaphthalene	U		0.00821	0.250	1	03/31/2020 18:33	WG1453002
2-Methylnaphthalene	U		0.00902	0.250	1	03/31/2020 18:33	WG1453002
(S) Nitrobenzene-d5	110			31.0-160		03/31/2020 18:33	WG1453002
(S) 2-Fluorobiphenyl	99.5			48.0-148		03/31/2020 18:33	WG1453002
(S) p-Terphenyl-d14	95.5			37.0-146		03/31/2020 18:33	WG1453002

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		1.90	5.00	1	03/30/2020 17:13	WG1452321

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	75.1	B J	31.6	100	1	03/29/2020 08:42	WG1452195
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120		03/29/2020 08:42	WG1452195

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/03/2020 00:29	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/03/2020 00:29	WG1454874
Benzene	U		0.0896	0.500	1	04/03/2020 00:29	WG1454874
Bromobenzene	U		0.133	0.500	1	04/03/2020 00:29	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/03/2020 00:29	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/03/2020 00:29	WG1454874
Bromoform	U	JO	0.186	0.500	1	04/03/2020 00:29	WG1454874
Bromomethane	U		0.157	2.50	1	04/03/2020 00:29	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/03/2020 00:29	WG1454874
sec-Butylbenzene	U		0.134	0.500	1	04/03/2020 00:29	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/03/2020 00:29	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/03/2020 00:29	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/03/2020 00:29	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/03/2020 00:29	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/03/2020 00:29	WG1454874
Chloroethane	U		0.141	2.50	1	04/03/2020 00:29	WG1454874
Chloroform	U		0.0860	0.500	1	04/03/2020 00:29	WG1454874
Chloromethane	U		0.153	1.25	1	04/03/2020 00:29	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/03/2020 00:29	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/03/2020 00:29	WG1454874
1,2-Dibromo-3-Chloropropane	U	JO	0.325	2.50	1	04/03/2020 00:29	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/03/2020 00:29	WG1454874
Dibromomethane	U		0.117	0.500	1	04/03/2020 00:29	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/03/2020 00:29	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/03/2020 00:29	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/03/2020 00:29	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/03/2020 00:29	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/03/2020 00:29	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/03/2020 00:29	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/03/2020 00:29	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/03/2020 00:29	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/03/2020 00:29	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/03/2020 00:29	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/03/2020 00:29	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/03/2020 00:29	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/03/2020 00:29	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/03/2020 00:29	WG1454874
trans-1,4-Dichloro-2-butene	U	JO	0.257	5.00	1	04/03/2020 00:29	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/03/2020 00:29	WG1454874
Ethylbenzene	U		0.158	0.500	1	04/03/2020 00:29	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/05/2020 23:49	WG1455961
2-Hexanone	U		0.757	5.00	1	04/03/2020 00:29	WG1454874
n-Hexane	U		0.305	5.00	1	04/03/2020 00:29	WG1454874



Collected date/time: 03/25/20 13:15

L1203719

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/03/2020 00:29	WG1454874
Isopropylbenzene	U		0.126	0.500	1	04/03/2020 00:29	WG1454874
p-Isopropyltoluene	U		0.138	0.500	1	04/03/2020 00:29	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/03/2020 00:29	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/03/2020 00:29	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/03/2020 00:29	WG1454874
Naphthalene	U	<u>JO</u>	0.174	2.50	1	04/05/2020 23:49	WG1455961
n-Propylbenzene	U		0.162	0.500	1	04/03/2020 00:29	WG1454874
Styrene	U		0.117	0.500	1	04/03/2020 00:29	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/03/2020 00:29	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/03/2020 00:29	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/03/2020 00:29	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/03/2020 00:29	WG1454874
Toluene	U		0.412	0.500	1	04/03/2020 00:29	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/05/2020 23:49	WG1455961
1,2,4-Trichlorobenzene	U	<u>JO J4</u>	0.355	0.500	1	04/03/2020 00:29	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/03/2020 00:29	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/03/2020 00:29	WG1454874
Trichloroethene	U		0.153	0.500	1	04/03/2020 00:29	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/03/2020 00:29	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/03/2020 00:29	WG1454874
1,2,4-Trimethylbenzene	U		0.123	0.500	1	04/03/2020 00:29	WG1454874
1,2,3-Trimethylbenzene	U		0.0739	0.500	1	04/03/2020 00:29	WG1454874
1,3,5-Trimethylbenzene	U		0.124	0.500	1	04/03/2020 00:29	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/03/2020 00:29	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/03/2020 00:29	WG1454874
Xylenes, Total	U		0.316	1.50	1	04/03/2020 00:29	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/03/2020 00:29	WG1454874
Ethanol	U	<u>JO</u>	42.0	100	1	04/03/2020 00:29	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/03/2020 00:29	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/03/2020 00:29	WG1454874
tert-Butyl alcohol	20.4		2.40	5.00	1	04/03/2020 00:29	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/03/2020 00:29	WG1454874
(S) Toluene-d8	98.7			80.0-120		04/03/2020 00:29	WG1454874
(S) Toluene-d8	109			80.0-120		04/05/2020 23:49	WG1455961
(S) 4-Bromofluorobenzene	104			77.0-126		04/03/2020 00:29	WG1454874
(S) 4-Bromofluorobenzene	84.3			77.0-126		04/05/2020 23:49	WG1455961
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/03/2020 00:29	WG1454874
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/05/2020 23:49	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 12:43	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	747		66.7	200	1	04/02/2020 00:33	WG1453018
Residual Range Organics (RRO)	131	<u>J</u>	83.3	250	1	04/02/2020 00:33	WG1453018
(S) o-Terphenyl	88.9			52.0-156		04/02/2020 00:33	WG1453018



Collected date/time: 03/25/20 13:15

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 09:42	WG1452823
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 09:42	WG1452823
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 09:42	WG1452823
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 09:42	WG1452823
Chrysene	U		0.0108	0.0500	1	03/31/2020 09:42	WG1452823
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 09:42	WG1452823
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 09:42	WG1452823
Naphthalene	0.0887	<u>B</u> <u>J</u>	0.0198	0.250	1	03/31/2020 09:42	WG1452823
1-Methylnaphthalene	0.0194	<u>J</u>	0.00821	0.250	1	03/31/2020 09:42	WG1452823
2-Methylnaphthalene	0.0106	<u>J</u>	0.00902	0.250	1	03/31/2020 09:42	WG1452823
(S) Nitrobenzene-d5	90.0			31.0-160		03/31/2020 09:42	WG1452823
(S) 2-Fluorobiphenyl	89.5			48.0-148		03/31/2020 09:42	WG1452823
(S) p-Terphenyl-d14	91.6			37.0-146		03/31/2020 09:42	WG1452823

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		1.90	5.00	1	03/30/2020 17:21	WG1452321

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	300	<u>B</u>	31.6	100	1	03/30/2020 13:56	WG1452724
(S) a,a,a-Trifluorotoluene(FID)	97.3			78.0-120		03/30/2020 13:56	WG1452724

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/03/2020 00:49	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/03/2020 00:49	WG1454874
Benzene	1.18		0.0896	0.500	1	04/03/2020 00:49	WG1454874
Bromobenzene	U		0.133	0.500	1	04/03/2020 00:49	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/03/2020 00:49	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/03/2020 00:49	WG1454874
Bromoform	U	<u>JO</u>	0.186	0.500	1	04/03/2020 00:49	WG1454874
Bromomethane	U		0.157	2.50	1	04/03/2020 00:49	WG1454874
n-Butylbenzene	0.171	<u>J</u>	0.143	0.500	1	04/03/2020 00:49	WG1454874
sec-Butylbenzene	0.622		0.134	0.500	1	04/03/2020 00:49	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/03/2020 00:49	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/03/2020 00:49	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/03/2020 00:49	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/03/2020 00:49	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/03/2020 00:49	WG1454874
Chloroethane	U		0.141	2.50	1	04/03/2020 00:49	WG1454874
Chloroform	U		0.0860	0.500	1	04/03/2020 00:49	WG1454874
Chloromethane	U		0.153	1.25	1	04/03/2020 00:49	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/03/2020 00:49	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/03/2020 00:49	WG1454874
1,2-Dibromo-3-Chloropropane	U	<u>JO</u>	0.325	2.50	1	04/03/2020 00:49	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/03/2020 00:49	WG1454874
Dibromomethane	U		0.117	0.500	1	04/03/2020 00:49	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/03/2020 00:49	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/03/2020 00:49	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/03/2020 00:49	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/03/2020 00:49	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/03/2020 00:49	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/03/2020 00:49	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/03/2020 00:49	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/03/2020 00:49	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/03/2020 00:49	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/03/2020 00:49	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/03/2020 00:49	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/03/2020 00:49	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/03/2020 00:49	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/03/2020 00:49	WG1454874
trans-1,4-Dichloro-2-butene	U	<u>JO</u>	0.257	5.00	1	04/03/2020 00:49	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/03/2020 00:49	WG1454874
Ethylbenzene	0.844		0.158	0.500	1	04/03/2020 00:49	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 00:12	WG1455961
2-Hexanone	U		0.757	5.00	1	04/03/2020 00:49	WG1454874
n-Hexane	U		0.305	5.00	1	04/03/2020 00:49	WG1454874



Collected date/time: 03/26/20 15:10

L1203719

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/03/2020 00:49	WG1454874
Isopropylbenzene	2.02		0.126	0.500	1	04/03/2020 00:49	WG1454874
p-Isopropyltoluene	0.614		0.138	0.500	1	04/03/2020 00:49	WG1454874
2-Butanone (MEK)	6.33		1.28	5.00	1	04/03/2020 00:49	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/03/2020 00:49	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/03/2020 00:49	WG1454874
Naphthalene	0.505	J JO	0.174	2.50	1	04/06/2020 00:12	WG1455961
n-Propylbenzene	1.26		0.162	0.500	1	04/03/2020 00:49	WG1454874
Styrene	U		0.117	0.500	1	04/03/2020 00:49	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/03/2020 00:49	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/03/2020 00:49	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/03/2020 00:49	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/03/2020 00:49	WG1454874
Toluene	U		0.412	0.500	1	04/03/2020 00:49	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 00:12	WG1455961
1,2,4-Trichlorobenzene	U	JO J4	0.355	0.500	1	04/03/2020 00:49	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/03/2020 00:49	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/03/2020 00:49	WG1454874
Trichloroethene	U		0.153	0.500	1	04/03/2020 00:49	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/03/2020 00:49	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/03/2020 00:49	WG1454874
1,2,4-Trimethylbenzene	0.564	B	0.123	0.500	1	04/03/2020 00:49	WG1454874
1,2,3-Trimethylbenzene	0.176	J	0.0739	0.500	1	04/03/2020 00:49	WG1454874
1,3,5-Trimethylbenzene	0.173	J	0.124	0.500	1	04/03/2020 00:49	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/03/2020 00:49	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/03/2020 00:49	WG1454874
Xylenes, Total	0.318	J	0.316	1.50	1	04/03/2020 00:49	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/03/2020 00:49	WG1454874
Ethanol	U	JO	42.0	100	1	04/03/2020 00:49	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/03/2020 00:49	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/03/2020 00:49	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/03/2020 00:49	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/03/2020 00:49	WG1454874
(S) Toluene-d8	96.4			80.0-120		04/03/2020 00:49	WG1454874
(S) Toluene-d8	117			80.0-120		04/06/2020 00:12	WG1455961
(S) 4-Bromofluorobenzene	103			77.0-126		04/03/2020 00:49	WG1454874
(S) 4-Bromofluorobenzene	95.3			77.0-126		04/06/2020 00:12	WG1455961
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/03/2020 00:49	WG1454874
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/06/2020 00:12	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 12:55	WG1453098

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1710		66.7	200	1	04/02/2020 11:40	WG1452760
Residual Range Organics (RRO)	281		83.3	250	1	04/02/2020 11:40	WG1452760
(S) o-Terphenyl	108			52.0-156		04/02/2020 11:40	WG1452760



Collected date/time: 03/26/20 15:10

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 18:54	WG1453002
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 18:54	WG1453002
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 18:54	WG1453002
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 18:54	WG1453002
Chrysene	U		0.0108	0.0500	1	03/31/2020 18:54	WG1453002
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 18:54	WG1453002
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 18:54	WG1453002
Naphthalene	0.523		0.0198	0.250	1	03/31/2020 18:54	WG1453002
1-Methylnaphthalene	0.190	U	0.00821	0.250	1	03/31/2020 18:54	WG1453002
2-Methylnaphthalene	0.0407	U	0.00902	0.250	1	03/31/2020 18:54	WG1453002
(S) Nitrobenzene-d5	124			31.0-160		03/31/2020 18:54	WG1453002
(S) 2-Fluorobiphenyl	94.5			48.0-148		03/31/2020 18:54	WG1453002
(S) p-Terphenyl-d14	95.5			37.0-146		03/31/2020 18:54	WG1453002

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 03/25/20 00:00

L1203719

Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	2.87	J	1.90	5.00	1	03/30/2020 17:24	WG1452321

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	769		31.6	100	1	03/30/2020 14:17	WG1452724
(S) a,a,a-Trifluorotoluene(FID)	96.7			78.0-120		03/30/2020 14:17	WG1452724

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		1.05	25.0	1	04/03/2020 01:09	WG1454874
Acrylonitrile	U		0.873	5.00	1	04/03/2020 01:09	WG1454874
Benzene	U		0.0896	0.500	1	04/03/2020 01:09	WG1454874
Bromobenzene	U		0.133	0.500	1	04/03/2020 01:09	WG1454874
Bromodichloromethane	U		0.0800	0.500	1	04/03/2020 01:09	WG1454874
Bromochloromethane	U		0.145	0.500	1	04/03/2020 01:09	WG1454874
Bromoform	U	JO	0.186	0.500	1	04/03/2020 01:09	WG1454874
Bromomethane	U		0.157	2.50	1	04/03/2020 01:09	WG1454874
n-Butylbenzene	U		0.143	0.500	1	04/03/2020 01:09	WG1454874
sec-Butylbenzene	1.12		0.134	0.500	1	04/03/2020 01:09	WG1454874
tert-Butylbenzene	U		0.183	0.500	1	04/03/2020 01:09	WG1454874
Carbon disulfide	U		0.101	0.500	1	04/03/2020 01:09	WG1454874
Carbon tetrachloride	U		0.159	0.500	1	04/03/2020 01:09	WG1454874
Chlorobenzene	U		0.140	0.500	1	04/03/2020 01:09	WG1454874
Chlorodibromomethane	U		0.128	0.500	1	04/03/2020 01:09	WG1454874
Chloroethane	U		0.141	2.50	1	04/03/2020 01:09	WG1454874
Chloroform	U		0.0860	0.500	1	04/03/2020 01:09	WG1454874
Chloromethane	U		0.153	1.25	1	04/03/2020 01:09	WG1454874
2-Chlorotoluene	U		0.111	0.500	1	04/03/2020 01:09	WG1454874
4-Chlorotoluene	U		0.0972	0.500	1	04/03/2020 01:09	WG1454874
1,2-Dibromo-3-Chloropropane	U	JO	0.325	2.50	1	04/03/2020 01:09	WG1454874
1,2-Dibromoethane	U		0.193	0.500	1	04/03/2020 01:09	WG1454874
Dibromomethane	U		0.117	0.500	1	04/03/2020 01:09	WG1454874
1,2-Dichlorobenzene	U		0.101	0.500	1	04/03/2020 01:09	WG1454874
1,3-Dichlorobenzene	U		0.130	0.500	1	04/03/2020 01:09	WG1454874
1,4-Dichlorobenzene	U		0.121	0.500	1	04/03/2020 01:09	WG1454874
Dichlorodifluoromethane	U		0.127	2.50	1	04/03/2020 01:09	WG1454874
1,1-Dichloroethane	U		0.114	0.500	1	04/03/2020 01:09	WG1454874
1,2-Dichloroethane	U		0.108	0.500	1	04/03/2020 01:09	WG1454874
1,1-Dichloroethene	U		0.188	0.500	1	04/03/2020 01:09	WG1454874
cis-1,2-Dichloroethene	U		0.0933	0.500	1	04/03/2020 01:09	WG1454874
trans-1,2-Dichloroethene	U		0.152	0.500	1	04/03/2020 01:09	WG1454874
1,2-Dichloropropane	U		0.190	0.500	1	04/03/2020 01:09	WG1454874
1,1-Dichloropropene	U		0.128	0.500	1	04/03/2020 01:09	WG1454874
1,3-Dichloropropane	U		0.147	1.00	1	04/03/2020 01:09	WG1454874
cis-1,3-Dichloropropene	U		0.0976	0.500	1	04/03/2020 01:09	WG1454874
trans-1,3-Dichloropropene	U		0.222	0.500	1	04/03/2020 01:09	WG1454874
trans-1,4-Dichloro-2-butene	U	JO	0.257	5.00	1	04/03/2020 01:09	WG1454874
2,2-Dichloropropane	U		0.0929	0.500	1	04/03/2020 01:09	WG1454874
Ethylbenzene	1.22		0.158	0.500	1	04/03/2020 01:09	WG1454874
Hexachloro-1,3-butadiene	U		0.157	1.00	1	04/06/2020 00:35	WG1455961
2-Hexanone	U		0.757	5.00	1	04/03/2020 01:09	WG1454874
n-Hexane	U		0.305	5.00	1	04/03/2020 01:09	WG1454874

ACCOUNT:

ARCADIS US - Seattle, WA

PROJECT:

30014464

SDG:

L1203719

DATE/TIME:

04/09/20 18:57

PAGE:

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Collected date/time: 03/25/20 00:00

L1203719

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.377	10.0	1	04/03/2020 01:09	WG1454874
Isopropylbenzene	1.20		0.126	0.500	1	04/03/2020 01:09	WG1454874
p-Isopropyltoluene	2.01		0.138	0.500	1	04/03/2020 01:09	WG1454874
2-Butanone (MEK)	U		1.28	5.00	1	04/03/2020 01:09	WG1454874
Methylene Chloride	U		1.07	2.50	1	04/03/2020 01:09	WG1454874
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00	1	04/03/2020 01:09	WG1454874
Naphthalene	U	JO	0.174	2.50	1	04/06/2020 00:35	WG1455961
n-Propylbenzene	1.21		0.162	0.500	1	04/03/2020 01:09	WG1454874
Styrene	U		0.117	0.500	1	04/03/2020 01:09	WG1454874
1,1,1,2-Tetrachloroethane	U		0.120	0.500	1	04/03/2020 01:09	WG1454874
1,1,2,2-Tetrachloroethane	U		0.130	0.500	1	04/03/2020 01:09	WG1454874
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500	1	04/03/2020 01:09	WG1454874
Tetrachloroethene	U		0.199	0.500	1	04/03/2020 01:09	WG1454874
Toluene	U		0.412	0.500	1	04/03/2020 01:09	WG1454874
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/06/2020 00:35	WG1455961
1,2,4-Trichlorobenzene	U	JO J4	0.355	0.500	1	04/03/2020 01:09	WG1454874
1,1,1-Trichloroethane	U		0.0940	0.500	1	04/03/2020 01:09	WG1454874
1,1,2-Trichloroethane	U		0.186	0.500	1	04/03/2020 01:09	WG1454874
Trichloroethene	U		0.153	0.500	1	04/03/2020 01:09	WG1454874
Trichlorofluoromethane	U		0.130	2.50	1	04/03/2020 01:09	WG1454874
1,2,3-Trichloropropane	U		0.247	2.50	1	04/03/2020 01:09	WG1454874
1,2,4-Trimethylbenzene	4.49		0.123	0.500	1	04/03/2020 01:09	WG1454874
1,2,3-Trimethylbenzene	0.999		0.0739	0.500	1	04/03/2020 01:09	WG1454874
1,3,5-Trimethylbenzene	0.310	J	0.124	0.500	1	04/03/2020 01:09	WG1454874
Vinyl acetate	U		0.645	5.00	1	04/03/2020 01:09	WG1454874
Vinyl chloride	U		0.118	0.500	1	04/03/2020 01:09	WG1454874
Xylenes, Total	1.12	J	0.316	1.50	1	04/03/2020 01:09	WG1454874
Di-isopropyl ether	U		0.0924	0.500	1	04/03/2020 01:09	WG1454874
Ethanol	U	JO	42.0	100	1	04/03/2020 01:09	WG1454874
Ethyl tert-butyl ether	U		0.270	1.00	1	04/03/2020 01:09	WG1454874
Methyl tert-butyl ether	U		0.102	0.500	1	04/03/2020 01:09	WG1454874
tert-Butyl alcohol	U		2.40	5.00	1	04/03/2020 01:09	WG1454874
tert-Amyl Methyl Ether	U		0.260	1.00	1	04/03/2020 01:09	WG1454874
(S) Toluene-d8	101			80.0-120		04/03/2020 01:09	WG1454874
(S) Toluene-d8	110			80.0-120		04/06/2020 00:35	WG1455961
(S) 4-Bromofluorobenzene	115			77.0-126		04/03/2020 01:09	WG1454874
(S) 4-Bromofluorobenzene	102			77.0-126		04/06/2020 00:35	WG1455961
(S) 1,2-Dichloroethane-d4	112			70.0-130		04/03/2020 01:09	WG1454874
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/06/2020 00:35	WG1455961

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00240	0.0100	1	04/01/2020 03:04	WG1453099

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	374		66.7	200	1	04/02/2020 00:53	WG1453018
Residual Range Organics (RRO)	U		83.3	250	1	04/02/2020 00:53	WG1453018
(S) o-Terphenyl	83.7			52.0-156		04/02/2020 00:53	WG1453018



Collected date/time: 03/25/20 00:00

L1203719

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00410	0.0500	1	03/31/2020 10:02	WG1452823
Benzo(a)pyrene	U		0.0116	0.0500	1	03/31/2020 10:02	WG1452823
Benzo(b)fluoranthene	U		0.00212	0.0500	1	03/31/2020 10:02	WG1452823
Benzo(k)fluoranthene	U		0.0136	0.0500	1	03/31/2020 10:02	WG1452823
Chrysene	U		0.0108	0.0500	1	03/31/2020 10:02	WG1452823
Dibenz(a,h)anthracene	U		0.00396	0.0500	1	03/31/2020 10:02	WG1452823
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500	1	03/31/2020 10:02	WG1452823
Naphthalene	0.186	<u>B</u> <u>J</u>	0.0198	0.250	1	03/31/2020 10:02	WG1452823
1-Methylnaphthalene	0.0258	<u>J</u>	0.00821	0.250	1	03/31/2020 10:02	WG1452823
2-Methylnaphthalene	0.0178	<u>J</u>	0.00902	0.250	1	03/31/2020 10:02	WG1452823
(S) Nitrobenzene-d5	79.5			31.0-160		03/31/2020 10:02	WG1452823
(S) 2-Fluorobiphenyl	89.5			48.0-148		03/31/2020 10:02	WG1452823
(S) p-Terphenyl-d14	86.3			37.0-146		03/31/2020 10:02	WG1452823

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Method Blank (MB)

(MB) R3514101-5 03/30/20 16:44

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Lead	U		1.90	5.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

Laboratory Control Sample (LCS)

(LCS) R3514101-1 03/30/20 16:05

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Lead	1000	985	98.5	80.0-120	

L1203578-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1203578-01 03/30/20 16:07 • (MS) R3514101-3 03/30/20 16:13 • (MSD) R3514101-4 03/30/20 16:15

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead	1000	ND	995	987	99.5	98.7	1	75.0-125			0.794	20

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3517168-1 04/09/20 13:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead,Dissolved	U		2.95	6.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

Laboratory Control Sample (LCS)

(LCS) R3517168-2 04/09/20 13:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	1000	1010	101	80.0-120	

⁷ Gl

⁸ Al

L1203719-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1203719-06 04/09/20 13:31 • (MS) R3517168-4 04/09/20 13:36 • (MSD) R3517168-5 04/09/20 13:39

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	1000	3.84	964	957	96.0	95.3	1	75.0-125			0.685	20

⁹ Sc



Method Blank (MB)

(MB) R3515198-3 03/29/20 05:08

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	43.0	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	96.1			78.0-120

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3515198-1 03/29/20 04:03 • (LCSD) R3515198-2 03/29/20 04:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4930	4850	89.6	88.2	70.0-124			1.64	20
(S) a,a,a-Trifluorotoluene(FID)				102	102	78.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3513996-3 03/30/20 10:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	33.6	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	96.5			78.0-120

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3513996-2 03/30/20 09:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5400	98.2	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			103	78.0-120	



Method Blank (MB)

(MB) R3515425-3 04/02/20 20:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		1.05	25.0
Acrylonitrile	U		0.873	5.00
Benzene	U		0.0896	0.500
Bromobenzene	U		0.133	0.500
Bromodichloromethane	U		0.0800	0.500
Bromochloromethane	U		0.145	0.500
Bromoform	U		0.186	0.500
Bromomethane	U		0.157	2.50
n-Butylbenzene	U		0.143	0.500
sec-Butylbenzene	U		0.134	0.500
tert-Butylbenzene	U		0.183	0.500
Carbon disulfide	U		0.101	0.500
Carbon tetrachloride	U		0.159	0.500
Chlorobenzene	U		0.140	0.500
Chlorodibromomethane	U		0.128	0.500
Chloroethane	U		0.141	2.50
Chloroform	U		0.0860	0.500
Chloromethane	U		0.153	1.25
2-Chlorotoluene	U		0.111	0.500
4-Chlorotoluene	U		0.0972	0.500
1,2-Dibromo-3-Chloropropane	U		0.325	2.50
1,2-Dibromoethane	U		0.193	0.500
Dibromomethane	U		0.117	0.500
1,2-Dichlorobenzene	U		0.101	0.500
1,3-Dichlorobenzene	U		0.130	0.500
1,4-Dichlorobenzene	U		0.121	0.500
Dichlorodifluoromethane	U		0.127	2.50
1,1-Dichloroethane	U		0.114	0.500
1,2-Dichloroethane	U		0.108	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.0933	0.500
trans-1,2-Dichloroethene	U		0.152	0.500
1,2-Dichloropropane	U		0.190	0.500
1,1-Dichloropropene	U		0.128	0.500
1,3-Dichloropropane	U		0.147	1.00
cis-1,3-Dichloropropene	U		0.0976	0.500
trans-1,3-Dichloropropene	U		0.222	0.500
trans-1,4-Dichloro-2-butene	U		0.257	5.00
2,2-Dichloropropane	U		0.0929	0.500
Di-isopropyl ether	U		0.0924	0.500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3515425-3 04/02/20 20:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.158	0.500
Ethanol	U		42.0	100
2-Hexanone	U		0.757	5.00
n-Hexane	U		0.305	5.00
Iodomethane	U		0.377	10.0
Isopropylbenzene	U		0.126	0.500
p-Isopropyltoluene	U		0.138	0.500
2-Butanone (MEK)	U		1.28	5.00
Methylene Chloride	U		1.07	2.50
4-Methyl-2-pentanone (MIBK)	U		0.823	5.00
Methyl tert-butyl ether	U		0.102	0.500
n-Propylbenzene	U		0.162	0.500
Styrene	U		0.117	0.500
1,1,1,2-Tetrachloroethane	U		0.120	0.500
1,1,2,2-Tetrachloroethane	U		0.130	0.500
1,1,2-Trichlorotrifluoroethane	U		0.164	0.500
Tetrachloroethene	U		0.199	0.500
Toluene	U		0.412	0.500
1,2,4-Trichlorobenzene	U		0.355	0.500
1,1,1-Trichloroethane	U		0.0940	0.500
1,1,2-Trichloroethane	U		0.186	0.500
Trichloroethene	U		0.153	0.500
Trichlorofluoromethane	U		0.130	2.50
1,2,3-Trichloropropane	U		0.247	2.50
1,2,4-Trimethylbenzene	0.310	U	0.123	0.500
1,2,3-Trimethylbenzene	U		0.0739	0.500
1,3,5-Trimethylbenzene	U		0.124	0.500
Vinyl acetate	U		0.645	5.00
Vinyl chloride	U		0.118	0.500
Xylenes, Total	U		0.316	1.50
tert-Amyl Methyl Ether	U		0.260	1.00
Ethyl tert-butyl ether	U		0.270	1.00
tert-Butyl alcohol	U		2.40	5.00
(S) Toluene-d8	98.4			80.0-120
(S) 4-Bromofluorobenzene	97.9			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Laboratory Control Sample (LCS)

(LCS) R3515425-1 04/02/20 19:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	26.3	105	19.0-160	
Acrylonitrile	25.0	26.3	105	55.0-149	
Benzene	5.00	5.11	102	70.0-123	
Bromobenzene	5.00	5.09	102	73.0-121	
Bromodichloromethane	5.00	5.14	103	75.0-120	
Bromochloromethane	5.00	5.68	114	76.0-122	
Bromoform	5.00	4.03	80.6	68.0-132	
Bromomethane	5.00	4.84	96.8	10.0-160	
n-Butylbenzene	5.00	4.70	94.0	73.0-125	
sec-Butylbenzene	5.00	5.10	102	75.0-125	
tert-Butylbenzene	5.00	5.30	106	76.0-124	
Carbon disulfide	5.00	4.88	97.6	61.0-128	
Carbon tetrachloride	5.00	6.24	125	68.0-126	
Chlorobenzene	5.00	4.74	94.8	80.0-121	
Chlorodibromomethane	5.00	4.26	85.2	77.0-125	
Chloroethane	5.00	5.32	106	47.0-150	
Chloroform	5.00	5.54	111	73.0-120	
Chloromethane	5.00	4.82	96.4	41.0-142	
2-Chlorotoluene	5.00	5.18	104	76.0-123	
4-Chlorotoluene	5.00	4.88	97.6	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	3.34	66.8	58.0-134	
1,2-Dibromoethane	5.00	4.94	98.8	80.0-122	
Dibromomethane	5.00	5.46	109	80.0-120	
1,2-Dichlorobenzene	5.00	4.65	93.0	79.0-121	
1,3-Dichlorobenzene	5.00	5.05	101	79.0-120	
1,4-Dichlorobenzene	5.00	4.75	95.0	79.0-120	
Dichlorodifluoromethane	5.00	6.00	120	51.0-149	
1,1-Dichloroethane	5.00	5.84	117	70.0-126	
1,2-Dichloroethane	5.00	5.70	114	70.0-128	
1,1-Dichloroethene	5.00	5.12	102	71.0-124	
cis-1,2-Dichloroethene	5.00	5.22	104	73.0-120	
trans-1,2-Dichloroethene	5.00	5.13	103	73.0-120	
1,2-Dichloropropane	5.00	5.27	105	77.0-125	
1,1-Dichloropropene	5.00	5.32	106	74.0-126	
1,3-Dichloropropane	5.00	4.72	94.4	80.0-120	
cis-1,3-Dichloropropene	5.00	5.27	105	80.0-123	
trans-1,3-Dichloropropene	5.00	4.92	98.4	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	3.98	79.6	33.0-144	
2,2-Dichloropropane	5.00	5.50	110	58.0-130	
Di-isopropyl ether	5.00	5.40	108	58.0-138	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3515425-1 04/02/20 19:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Ethylbenzene	5.00	4.94	98.8	79.0-123	
2-Hexanone	25.0	23.1	92.4	67.0-149	
n-Hexane	5.00	4.96	99.2	57.0-133	
Iodomethane	25.0	18.2	72.8	33.0-147	
Isopropylbenzene	5.00	4.66	93.2	76.0-127	
p-Isopropyltoluene	5.00	5.23	105	76.0-125	
2-Butanone (MEK)	25.0	26.5	106	44.0-160	
Methylene Chloride	5.00	5.12	102	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	24.5	98.0	68.0-142	
Methyl tert-butyl ether	5.00	5.28	106	68.0-125	
n-Propylbenzene	5.00	4.93	98.6	77.0-124	
Styrene	5.00	4.47	89.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.12	102	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.20	104	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.59	112	69.0-132	
Tetrachloroethene	5.00	5.03	101	72.0-132	
Toluene	5.00	4.41	88.2	79.0-120	
1,2,4-Trichlorobenzene	5.00	2.80	56.0	57.0-137	J4
1,1,1-Trichloroethane	5.00	6.07	121	73.0-124	
1,1,2-Trichloroethane	5.00	4.65	93.0	80.0-120	
Trichloroethene	5.00	5.45	109	78.0-124	
Trichlorofluoromethane	5.00	5.39	108	59.0-147	
1,2,3-Trichloropropane	5.00	5.08	102	73.0-130	
1,2,4-Trimethylbenzene	5.00	5.04	101	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.77	95.4	77.0-120	
1,3,5-Trimethylbenzene	5.00	5.05	101	76.0-122	
Vinyl acetate	25.0	28.6	114	11.0-160	
Vinyl chloride	5.00	5.42	108	67.0-131	
Xylenes, Total	15.0	13.6	90.7	79.0-123	
tert-Butyl alcohol	25.0	23.4	93.6	27.0-160	
Ethanol	250	187	74.8	10.0-160	
tert-Amyl Methyl Ether	5.00	5.29	106	66.0-125	
Ethyl tert-butyl ether	5.00	5.55	111	63.0-138	
(S) Toluene-d8			96.1	80.0-120	
(S) 4-Bromofluorobenzene			101	77.0-126	
(S) 1,2-Dichloroethane-d4			110	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3515825-2 04/05/20 19:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.157	1.00
Naphthalene	U		0.174	2.50
1,2,3-Trichlorobenzene	U		0.164	0.500
(S) Toluene-d8	111			80.0-120
(S) 4-Bromofluorobenzene	78.1			77.0-126
(S) 1,2-Dichloroethane-d4	109			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

Laboratory Control Sample (LCS)

(LCS) R3515825-1 04/05/20 18:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	5.00	5.48	110	54.0-138	
Naphthalene	5.00	3.60	72.0	54.0-135	
1,2,3-Trichlorobenzene	5.00	4.95	99.0	50.0-138	
(S) Toluene-d8			104	80.0-120	
(S) 4-Bromofluorobenzene			78.9	77.0-126	
(S) 1,2-Dichloroethane-d4			105	70.0-130	

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3514657-1 04/01/20 07:53

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Ethylene Dibromide	U		0.00240	0.0100

L1203514-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1203514-01 04/01/20 08:41 • (DUP) R3514657-3 04/01/20 08:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ethylene Dibromide	ND	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3514657-4 04/01/20 10:42 • (LCSD) R3514657-5 04/01/20 13:20

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Ethylene Dibromide	0.250	0.234	0.244	93.6	97.6	60.0-140			4.18	20

L1203514-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1203514-03 04/01/20 08:17 • (MS) R3514657-2 04/01/20 08:05

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Ethylene Dibromide	0.100	ND	0.0972	97.2	1	64.0-159	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3514658-1 04/01/20 02:15

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Ethylene Dibromide	U		0.00240	0.0100

L1203719-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1203719-11 04/01/20 03:04 • (DUP) R3514658-3 04/01/20 02:52

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l	ug/l		%		%
Ethylene Dibromide	U	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3514658-4 04/01/20 05:04 • (LCSD) R3514658-5 04/01/20 07:29

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Ethylene Dibromide	0.250	0.227	0.226	90.8	90.4	60.0-140			0.441	20

L1203757-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1203757-02 04/01/20 02:40 • (MS) R3514658-2 04/01/20 02:27

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Ethylene Dibromide	0.100	U	0.106	106	1	64.0-159	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3514358-1 03/31/20 11:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	90.5			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3514358-2 03/31/20 11:30 • (LCSD) R3514358-3 03/31/20 11:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1710	1690	114	113	50.0-150			1.18	20
(S) o-Terphenyl				99.5	97.0	52.0-156				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

[L1203719-01,06,09,11](#)

Method Blank (MB)

(MB) R3514785-1 04/01/20 18:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	86.0			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3514785-2 04/01/20 19:09 • (LCSD) R3514785-3 04/01/20 19:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1670	1650	111	110	50.0-150			1.20	20
(S) o-Terphenyl				106	106	52.0-156				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3514283-3 03/31/20 06:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.00410	0.0500
Benzo(a)pyrene	U		0.0116	0.0500
Benzo(b)fluoranthene	U		0.00212	0.0500
Benzo(k)fluoranthene	U		0.0136	0.0500
Chrysene	U		0.0108	0.0500
Dibenz(a,h)anthracene	U		0.00396	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500
Naphthalene	0.0319	U	0.0198	0.250
1-Methylnaphthalene	U		0.00821	0.250
2-Methylnaphthalene	U		0.00902	0.250
(S) Nitrobenzene-d5	84.0			31.0-160
(S) 2-Fluorobiphenyl	93.0			48.0-148
(S) p-Terphenyl-d14	90.0			37.0-146

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3514283-1 03/31/20 05:31 • (LCSD) R3514283-2 03/31/20 05:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	1.47	1.47	73.5	73.5	61.0-140			0.000	20
Benzo(a)pyrene	2.00	1.51	1.52	75.5	76.0	60.0-143			0.660	20
Benzo(b)fluoranthene	2.00	1.67	1.68	83.5	84.0	58.0-141			0.597	20
Benzo(k)fluoranthene	2.00	1.69	1.70	84.5	85.0	58.0-148			0.590	20
Chrysene	2.00	1.70	1.70	85.0	85.0	64.0-144			0.000	20
Dibenz(a,h)anthracene	2.00	1.44	1.49	72.0	74.5	52.0-155			3.41	20
Indeno(1,2,3-cd)pyrene	2.00	1.41	1.41	70.5	70.5	54.0-153			0.000	20
Naphthalene	2.00	1.73	1.72	86.5	86.0	61.0-137			0.580	20
1-Methylnaphthalene	2.00	1.69	1.68	84.5	84.0	66.0-142			0.593	20
2-Methylnaphthalene	2.00	1.60	1.59	80.0	79.5	62.0-136			0.627	20
(S) Nitrobenzene-d5				86.5	83.0	31.0-160				
(S) 2-Fluorobiphenyl				92.0	93.0	48.0-148				
(S) p-Terphenyl-d14				87.0	86.5	37.0-146				



Method Blank (MB)

(MB) R3514386-3 03/31/20 12:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.00410	0.0500
Benzo(a)pyrene	U		0.0116	0.0500
Benzo(b)fluoranthene	U		0.00212	0.0500
Benzo(k)fluoranthene	U		0.0136	0.0500
Chrysene	U		0.0108	0.0500
Dibenz(a,h)anthracene	U		0.00396	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500
Naphthalene	0.0214	J	0.0198	0.250
1-Methylnaphthalene	U		0.00821	0.250
2-Methylnaphthalene	U		0.00902	0.250
(S) Nitrobenzene-d5	107			31.0-160
(S) 2-Fluorobiphenyl	97.0			48.0-148
(S) p-Terphenyl-d14	96.5			37.0-146

Method Blank (MB)

(MB) R3514386-4 03/31/20 22:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.00410	0.0500
Benzo(a)pyrene	U		0.0116	0.0500
Benzo(b)fluoranthene	U		0.00212	0.0500
Benzo(k)fluoranthene	U		0.0136	0.0500
Chrysene	U		0.0108	0.0500
Dibenz(a,h)anthracene	U		0.00396	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500
Naphthalene	0.0444	J	0.0198	0.250
1-Methylnaphthalene	U		0.00821	0.250
2-Methylnaphthalene	U		0.00902	0.250
(S) Nitrobenzene-d5	112			31.0-160
(S) 2-Fluorobiphenyl	97.0			48.0-148
(S) p-Terphenyl-d14	97.5			37.0-146

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3514386-1 03/31/20 12:00 • (LCSD) R3514386-2 03/31/20 12:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	2.05	2.08	102	104	61.0-140			1.45	20
Benzo(a)pyrene	2.00	1.80	1.87	90.0	93.5	60.0-143			3.81	20
Benzo(b)fluoranthene	2.00	1.73	1.80	86.5	90.0	58.0-141			3.97	20
Benzo(k)fluoranthene	2.00	2.02	2.09	101	105	58.0-148			3.41	20
Chrysene	2.00	2.04	2.09	102	105	64.0-144			2.42	20
Dibenz(a,h)anthracene	2.00	1.71	1.84	85.5	92.0	52.0-155			7.32	20
Indeno(1,2,3-cd)pyrene	2.00	1.75	1.86	87.5	93.0	54.0-153			6.09	20
Naphthalene	2.00	1.94	2.02	97.0	101	61.0-137			4.04	20
1-Methylnaphthalene	2.00	1.82	1.90	91.0	95.0	66.0-142			4.30	20
2-Methylnaphthalene	2.00	1.77	1.83	88.5	91.5	62.0-136			3.33	20
(S) Nitrobenzene-d5				106	108	31.0-160				
(S) 2-Fluorobiphenyl				96.0	98.0	48.0-148				
(S) p-Terphenyl-d14				94.5	95.0	37.0-146				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration method criteria.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J4	The associated batch QC was outside the established quality control range for accuracy.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

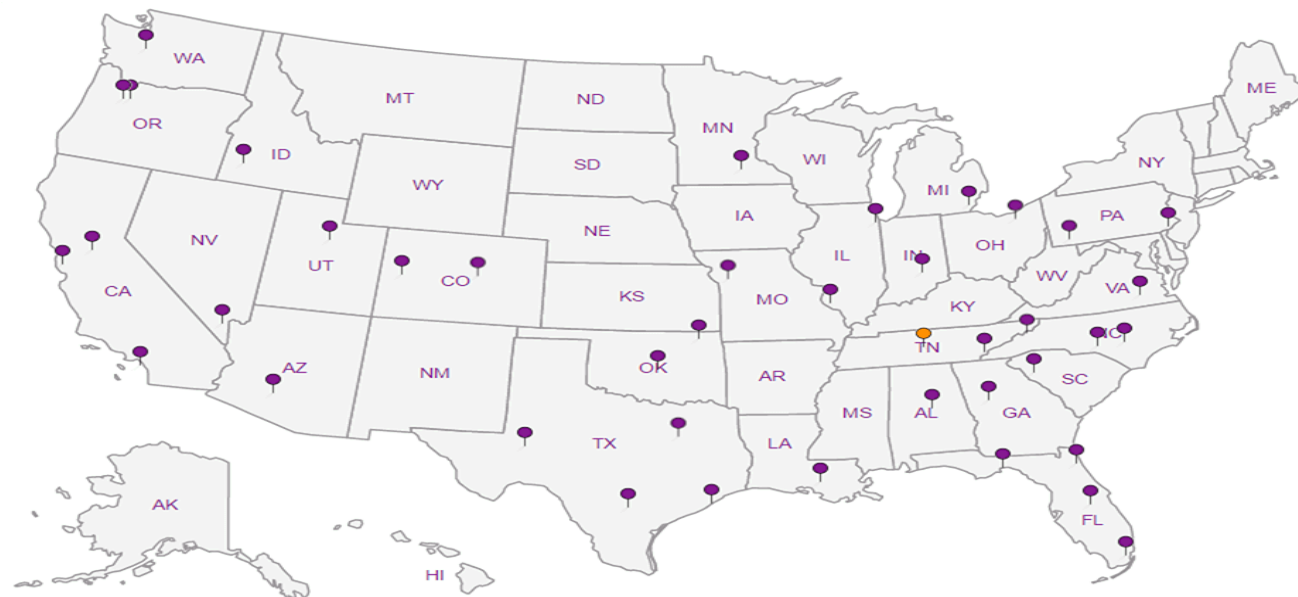
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ARCADIS US - Seattle, WA

1100 Olive Way
Suite 800
Seattle WA 98101

Report to:
Ross LaGrandeur

Billing Information:

Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres
Chk

Email To:

Ross.LaGrandeur@arcadis.com; Ryan.Brauchla@arc

Project
Description: WA-11060

City/State
Collected: Seattle, WA

Please Circle:
PT MT CT ET

Phone: 509-438-9828
Fax:

Client Project #
30014464

Lab Project #
ARCABPWA-WA11060

Collected by (print):
Trevor Bryant

Site/Facility ID #
4580 FAUNTLEROY WAY SW,

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N Y

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

Standard TAT

No.
of

Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	BTXEM/EDC 8260D 40mlAmb-HCl	EDB 8011 40mlClr-NaThio	HOLD - Diss Pb 6010 250mlHDPE-NoPres	NWTPHDX LVINOSGT 40mlAmb-HCl-BT	NWTPHGX 40mlAmb HCl	PAHs 8270E-SIM 40mlAmb-NoPres-WT	Total Pb 6010 250mlHDPE-HNO3	VOCs+OXYS 8260D 40mlAmb-HCl
GW-M-1	G	GW	-	3/25/20	1410	X	X	H	X	X	X	X	X
MW-1		GW	-	3/26/20	1425								
MW-2		GW	-	5/24/20	1105								
MW-3		GW	-	3/26/20	1345								
MW-4		GW	-	3/26/20	1615								
MW-5		GW	-	3/25/20	1520								
MW-6		GW	-	3/26/20	1304								
MW-9		GW	-	3/26/20	1550								
MW-11		GW	-	3/25/20	1315								
MW-12		GW	-	3/26/20	1510								

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:
UPS FedEx Courier

Tracking #

167627 539205

pH Temp

Flow Other

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N
COC Signed/Accurate: ☒ Y ☐ N
Bottles arrive intact: ☒ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N
If Applicable
VOA Zero Headspace: ☒ Y ☐ N
Preservation Correct/Checked: ☒ Y ☐ N
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes/No

HCl/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

15+0.1=1.64 165

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

Hold:

Condition:

NCF / OK

Sandy yosoff 3/28/20 8:30

Analysis / Container / Preservative

Chain of Custody Page ___ of ___



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # L1203719

A045

Tab

Acctnum: ARCABPWA

Template: T165022

Prelogin: P763014

PM: 110 - Brian Ford

PB:

Shipped Via:

Remarks Sample # (lab only)

Miss
Lean -01
an -02
Hold -03
-04
-05
-06
-07
-08
-09
-10

Brian Ford

From: LaGrandeur, Ross <Ross.LaGrandeur@arcadis.com>
Sent: Tuesday, April 7, 2020 10:21 AM
To: Brian Ford; Brauchla, Ryan; Donovan, Carl; Fish, Grayson
Subject: RE: L1203719 WA11060 Prelim Report

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Please run dissolved lead for MW-4 and MW-5

Ross LaGrandeur | AFS Consulting West Service Leader – Great Northwest |
T. +1 206 726 4754 | M. + 1 831 229 4548

From: Brian Ford <BFord@pacenational.com>
Sent: Tuesday, April 7, 2020 7:39 AM
To: LaGrandeur, Ross <Ross.LaGrandeur@arcadis.com>; Brauchla, Ryan <Ryan.Brauchla@arcadis.com>; Donovan, Carl <Carl.Donovan@arcadis.com>; Fish, Grayson <Grayson.Fish@arcadis.com>
Subject: L1203719 WA11060 Prelim Report

See attached prelim report. Let me know if any follow ups are needed, or if the report can be finalized.

Thanks,

Brian Ford

Project Manager

Pace Analytical National Center for Testing & Innovation

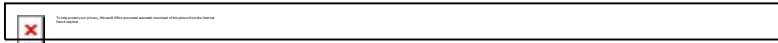
12065 Lebanon Road | Mt. Juliet, TN 37122

direct 615.773.9772 | cell 615.881.4570

bford@pacenational.com | pacenational.com

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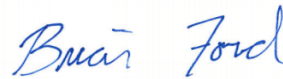


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ARCADIS US - Seattle, WA

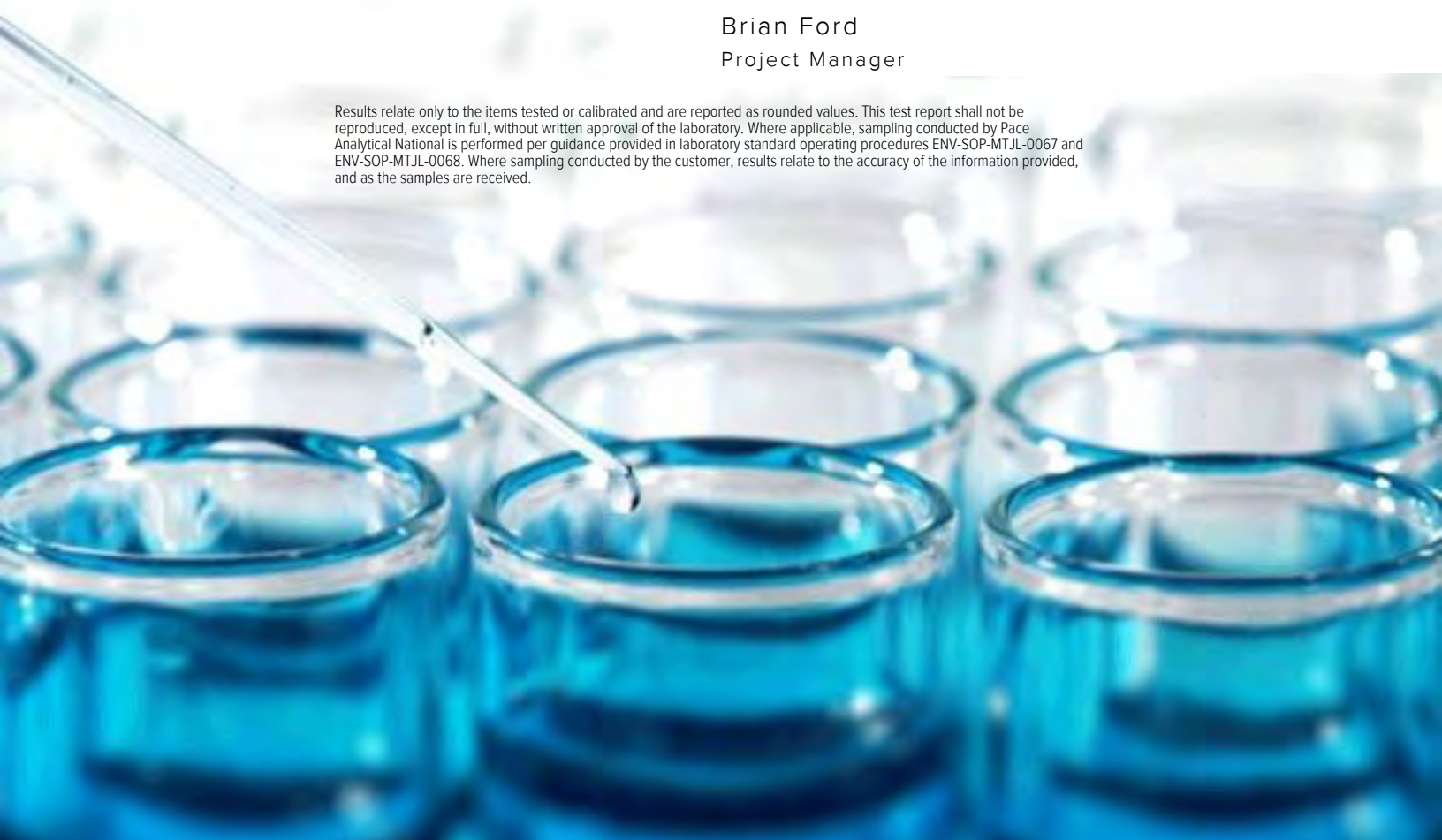
Sample Delivery Group: L1225536
Samples Received: 06/04/2020
Project Number: 30014464
Description: WA-11060
Site: 4580 FAUNTLEROY WAY SW, SEATTL
Report To: Ross LaGrandeur
1100 Olive Way
Suite 800
Seattle, WA 98101

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-1 L1225536-01 GW

				Collected by Trevor Bryant	Collected date/time 06/03/20 08:45	Received date/time 06/04/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1487366	1	06/10/20 17:00	06/11/20 13:09	TRB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1488437	1	06/07/20 18:01	06/07/20 18:01	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488648	1	06/08/20 03:48	06/08/20 03:48	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1490434	1	06/11/20 05:15	06/11/20 05:15	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1488707	1	06/08/20 09:26	06/09/20 01:02	LEL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1488934	1	06/09/20 00:35	06/09/20 04:19	DMG	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-2 L1225536-02 GW

				Collected by Trevor Bryant	Collected date/time 06/03/20 09:15	Received date/time 06/04/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1488764	1	06/09/20 23:06	06/10/20 13:38	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1488437	1	06/07/20 20:22	06/07/20 20:22	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488648	1	06/08/20 04:07	06/08/20 04:07	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1490434	1	06/11/20 05:36	06/11/20 05:36	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1488707	1	06/08/20 09:26	06/09/20 01:13	LEL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1488934	1	06/09/20 00:35	06/09/20 04:36	DMG	Mt. Juliet, TN

MW-6 L1225536-03 GW

				Collected by Trevor Bryant	Collected date/time 06/02/20 13:55	Received date/time 06/04/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1488764	1	06/09/20 23:06	06/10/20 13:41	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1488437	1	06/07/20 20:46	06/07/20 20:46	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488648	1	06/08/20 04:26	06/08/20 04:26	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1490434	1	06/11/20 05:56	06/11/20 05:56	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1488707	1	06/08/20 09:26	06/09/20 01:25	LEL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1488878	1	06/08/20 17:06	06/08/20 23:25	LEA	Mt. Juliet, TN

MW-9 L1225536-04 GW

				Collected by Trevor Bryant	Collected date/time 06/02/20 13:15	Received date/time 06/04/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1488764	1	06/09/20 23:06	06/10/20 13:43	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1488437	1	06/07/20 21:10	06/07/20 21:10	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488648	1	06/08/20 04:45	06/08/20 04:45	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1490434	1	06/11/20 06:16	06/11/20 06:16	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1488707	1	06/08/20 09:26	06/09/20 01:37	LEL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1488878	1	06/08/20 17:06	06/08/20 23:45	DMG	Mt. Juliet, TN

MW-11 L1225536-05 GW

				Collected by Trevor Bryant	Collected date/time 06/02/20 11:05	Received date/time 06/04/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1488764	1	06/09/20 23:06	06/10/20 13:46	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1488437	1	06/07/20 21:34	06/07/20 21:34	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488648	1	06/08/20 05:05	06/08/20 05:05	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1490434	1	06/11/20 06:36	06/11/20 06:36	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1488707	1	06/08/20 09:26	06/09/20 02:11	LEL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1488878	1	06/08/20 17:06	06/09/20 00:05	DMG	Mt. Juliet, TN

ACCOUNT:

ARCADIS US - Seattle, WA

PROJECT:

30014464

SDG:

L1225536

DATE/TIME:

06/11/20 21:21

PAGE:

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-12 L1225536-06 GW

Collected by
Trevor Bryant

Collected date/time
06/02/20 11:45

Received date/time
06/04/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1488764	1	06/09/20 23:06	06/10/20 13:54	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1488437	1	06/07/20 21:58	06/07/20 21:58	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488648	1	06/08/20 05:24	06/08/20 05:24	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1490434	1	06/11/20 06:57	06/11/20 06:57	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1488707	1	06/08/20 09:26	06/09/20 02:23	LEL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1488878	1	06/08/20 17:06	06/09/20 00:25	DMG	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GWM-1 L1225536-07 GW

Collected by
Trevor Bryant

Collected date/time
06/02/20 12:30

Received date/time
06/04/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1488764	1	06/09/20 23:06	06/10/20 13:57	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1488437	1	06/07/20 22:22	06/07/20 22:22	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488648	1	06/08/20 05:43	06/08/20 05:43	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1490434	1	06/11/20 07:17	06/11/20 07:17	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1488707	1	06/08/20 09:26	06/09/20 02:34	LEL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1488878	1	06/08/20 17:06	06/09/20 00:45	DMG	Mt. Juliet, TN

DUP-1 L1225536-08 GW

Collected by
Trevor Bryant

Collected date/time
06/02/20 00:00

Received date/time
06/04/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1488764	1	06/09/20 23:06	06/10/20 13:59	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1488437	1	06/07/20 22:46	06/07/20 22:46	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1488648	1	06/08/20 06:02	06/08/20 06:02	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1490434	1	06/11/20 07:37	06/11/20 07:37	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1488707	1	06/08/20 09:26	06/09/20 02:46	LEL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1488878	1	06/08/20 17:06	06/09/20 01:05	DMG	Mt. Juliet, TN



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	06/11/2020 13:09	WG1487366

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	160		31.6	100	1	06/07/2020 18:01	WG1488437
(S) a,a,a-Trifluorotoluene(FID)	98.2			78.0-120		06/07/2020 18:01	WG1488437

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	<u>JO</u>	11.3	25.0	1	06/08/2020 03:48	WG1488648
Acrylonitrile	U		0.671	5.00	1	06/08/2020 03:48	WG1488648
Benzene	U		0.0941	0.500	1	06/08/2020 03:48	WG1488648
Bromobenzene	U		0.118	0.500	1	06/08/2020 03:48	WG1488648
Bromodichloromethane	U		0.136	0.500	1	06/08/2020 03:48	WG1488648
Bromochloromethane	U		0.128	0.500	1	06/08/2020 03:48	WG1488648
Bromoform	0.558		0.129	0.500	1	06/08/2020 03:48	WG1488648
Bromomethane	U		0.605	2.50	1	06/08/2020 03:48	WG1488648
n-Butylbenzene	U		0.157	0.500	1	06/08/2020 03:48	WG1488648
sec-Butylbenzene	0.721		0.125	0.500	1	06/08/2020 03:48	WG1488648
tert-Butylbenzene	0.277	<u>J</u>	0.127	0.500	1	06/08/2020 03:48	WG1488648
Carbon disulfide	6.64		0.0962	0.500	1	06/08/2020 03:48	WG1488648
Carbon tetrachloride	U		0.128	0.500	1	06/08/2020 03:48	WG1488648
Chlorobenzene	U		0.117	0.500	1	06/08/2020 03:48	WG1488648
Chlorodibromomethane	0.428	<u>J</u>	0.140	0.500	1	06/08/2020 03:48	WG1488648
Chloroethane	U		0.192	2.50	1	06/08/2020 03:48	WG1488648
Chloroform	U		0.111	0.500	1	06/08/2020 03:48	WG1488648
Chloromethane	U		0.960	1.25	1	06/08/2020 03:48	WG1488648
2-Chlorotoluene	U		0.106	0.500	1	06/08/2020 03:48	WG1488648
4-Chlorotoluene	U		0.114	0.500	1	06/08/2020 03:48	WG1488648
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	06/08/2020 03:48	WG1488648
1,2-Dibromoethane	U		0.126	0.500	1	06/08/2020 03:48	WG1488648
Dibromomethane	U		0.122	0.500	1	06/08/2020 03:48	WG1488648
1,2-Dichlorobenzene	0.724		0.107	0.500	1	06/08/2020 03:48	WG1488648
1,3-Dichlorobenzene	U		0.299	0.500	1	06/08/2020 03:48	WG1488648
1,4-Dichlorobenzene	U		0.120	0.500	1	06/08/2020 03:48	WG1488648
Dichlorodifluoromethane	U		0.374	2.50	1	06/08/2020 03:48	WG1488648
1,1-Dichloroethane	U		0.100	0.500	1	06/08/2020 03:48	WG1488648
1,2-Dichloroethane	U		0.0819	0.500	1	06/08/2020 03:48	WG1488648
1,1-Dichloroethene	U		0.188	0.500	1	06/08/2020 03:48	WG1488648
cis-1,2-Dichloroethene	U		0.126	0.500	1	06/08/2020 03:48	WG1488648
trans-1,2-Dichloroethene	U		0.149	0.500	1	06/08/2020 03:48	WG1488648
1,2-Dichloropropane	U		0.149	0.500	1	06/08/2020 03:48	WG1488648
1,1-Dichloropropene	U		0.142	0.500	1	06/08/2020 03:48	WG1488648
1,3-Dichloropropane	U		0.109	1.00	1	06/08/2020 03:48	WG1488648
cis-1,3-Dichloropropene	U		0.111	0.500	1	06/08/2020 03:48	WG1488648
trans-1,3-Dichloropropene	U		0.118	0.500	1	06/08/2020 03:48	WG1488648
trans-1,4-Dichloro-2-butene	U	<u>JO</u>	0.467	5.00	1	06/08/2020 03:48	WG1488648
2,2-Dichloropropane	U		0.161	0.500	1	06/08/2020 03:48	WG1488648
Ethylbenzene	U		0.137	0.500	1	06/08/2020 03:48	WG1488648
Hexachloro-1,3-butadiene	U	<u>JO</u>	0.337	1.00	1	06/08/2020 03:48	WG1488648
2-Hexanone	U		0.787	5.00	1	06/08/2020 03:48	WG1488648
n-Hexane	U		0.749	5.00	1	06/08/2020 03:48	WG1488648



Collected date/time: 06/03/20 08:45

L1225536

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.554	5.00	1	06/08/2020 03:48	WG1488648
Isopropylbenzene	U		0.105	0.500	1	06/08/2020 03:48	WG1488648
p-Isopropyltoluene	U		0.120	0.500	1	06/08/2020 03:48	WG1488648
2-Butanone (MEK)	U	<u>JO</u>	1.19	5.00	1	06/08/2020 03:48	WG1488648
Methylene Chloride	U		0.430	2.50	1	06/08/2020 03:48	WG1488648
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	06/08/2020 03:48	WG1488648
Naphthalene	U		0.174	2.50	1	06/08/2020 03:48	WG1488648
n-Propylbenzene	U		0.0993	0.500	1	06/08/2020 03:48	WG1488648
Styrene	U		0.118	0.500	1	06/08/2020 03:48	WG1488648
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	06/08/2020 03:48	WG1488648
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	06/08/2020 03:48	WG1488648
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	06/08/2020 03:48	WG1488648
Tetrachloroethene	U		0.300	0.500	1	06/08/2020 03:48	WG1488648
Toluene	U		0.278	0.500	1	06/08/2020 03:48	WG1488648
1,2,3-Trichlorobenzene	U		0.164	0.500	1	06/08/2020 03:48	WG1488648
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2020 03:48	WG1488648
1,1,1-Trichloroethane	U		0.149	0.500	1	06/08/2020 03:48	WG1488648
1,1,2-Trichloroethane	U		0.158	0.500	1	06/08/2020 03:48	WG1488648
Trichloroethene	U		0.190	0.500	1	06/08/2020 03:48	WG1488648
Trichlorofluoromethane	U		0.160	2.50	1	06/08/2020 03:48	WG1488648
1,2,3-Trichloropropane	U		0.237	2.50	1	06/08/2020 03:48	WG1488648
1,2,4-Trimethylbenzene	U		0.322	0.500	1	06/08/2020 03:48	WG1488648
1,2,3-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 03:48	WG1488648
1,3,5-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 03:48	WG1488648
Vinyl acetate	U		0.692	5.00	1	06/08/2020 03:48	WG1488648
Vinyl chloride	U		0.234	0.500	1	06/08/2020 03:48	WG1488648
Xylenes, Total	U		0.174	1.50	1	06/08/2020 03:48	WG1488648
Di-isopropyl ether	U		0.105	0.500	1	06/08/2020 03:48	WG1488648
Ethanol	U		42.0	100	1	06/11/2020 05:15	WG1490434
Ethyl tert-butyl ether	U		0.102	1.00	1	06/08/2020 03:48	WG1488648
Methyl tert-butyl ether	U		0.101	0.500	1	06/08/2020 03:48	WG1488648
tert-Butyl alcohol	U	<u>JO</u>	2.40	5.00	1	06/08/2020 03:48	WG1488648
tert-Amyl Methyl Ether	U		0.195	1.00	1	06/08/2020 03:48	WG1488648
(S) Toluene-d8	102			80.0-120		06/08/2020 03:48	WG1488648
(S) Toluene-d8	112			80.0-120		06/11/2020 05:15	WG1490434
(S) 4-Bromofluorobenzene	97.0			77.0-126		06/08/2020 03:48	WG1488648
(S) 4-Bromofluorobenzene	118			77.0-126		06/11/2020 05:15	WG1490434
(S) 1,2-Dichloroethane-d4	97.5			70.0-130		06/08/2020 03:48	WG1488648
(S) 1,2-Dichloroethane-d4	88.2			70.0-130		06/11/2020 05:15	WG1490434

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	06/09/2020 01:02	WG1488707

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/09/2020 04:19	WG1488934
Benzo(a)pyrene	U		0.0184	0.0500	1	06/09/2020 04:19	WG1488934
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/09/2020 04:19	WG1488934
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/09/2020 04:19	WG1488934
Chrysene	U		0.0179	0.0500	1	06/09/2020 04:19	WG1488934
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/09/2020 04:19	WG1488934
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/09/2020 04:19	WG1488934



Collected date/time: 06/03/20 08:45

L1225536

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.0917	0.250	1	06/09/2020 04:19	WG1488934
1-Methylnaphthalene	U		0.0687	0.250	1	06/09/2020 04:19	WG1488934
2-Methylnaphthalene	U		0.0674	0.250	1	06/09/2020 04:19	WG1488934
(S) Nitrobenzene-d5	95.8			31.0-160		06/09/2020 04:19	WG1488934
(S) 2-Fluorobiphenyl	83.2			48.0-148		06/09/2020 04:19	WG1488934
(S) p-Terphenyl-d14	83.2			37.0-146		06/09/2020 04:19	WG1488934

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	8.70		2.95	6.00	1	06/10/2020 13:38	WG1488764

1
Cp2
Tc3
Ss4
Cn5
Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	3320		31.6	100	1	06/07/2020 20:22	WG1488437
(S) a,a,a-Trifluorotoluene(FID)	94.8			78.0-120		06/07/2020 20:22	WG1488437

6
Qc7
Gl8
Al9
Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	JO	11.3	25.0	1	06/08/2020 04:07	WG1488648
Acrylonitrile	U		0.671	5.00	1	06/08/2020 04:07	WG1488648
Benzene	0.307	J	0.0941	0.500	1	06/08/2020 04:07	WG1488648
Bromobenzene	U		0.118	0.500	1	06/08/2020 04:07	WG1488648
Bromodichloromethane	U		0.136	0.500	1	06/08/2020 04:07	WG1488648
Bromochloromethane	U		0.128	0.500	1	06/08/2020 04:07	WG1488648
Bromoform	U		0.129	0.500	1	06/08/2020 04:07	WG1488648
Bromomethane	U		0.605	2.50	1	06/08/2020 04:07	WG1488648
n-Butylbenzene	U		0.157	0.500	1	06/08/2020 04:07	WG1488648
sec-Butylbenzene	U		0.125	0.500	1	06/08/2020 04:07	WG1488648
tert-Butylbenzene	U		0.127	0.500	1	06/08/2020 04:07	WG1488648
Carbon disulfide	1.76		0.0962	0.500	1	06/08/2020 04:07	WG1488648
Carbon tetrachloride	U		0.128	0.500	1	06/08/2020 04:07	WG1488648
Chlorobenzene	U		0.117	0.500	1	06/08/2020 04:07	WG1488648
Chlorodibromomethane	U		0.140	0.500	1	06/08/2020 04:07	WG1488648
Chloroethane	U		0.192	2.50	1	06/08/2020 04:07	WG1488648
Chloroform	U		0.111	0.500	1	06/08/2020 04:07	WG1488648
Chloromethane	U		0.960	1.25	1	06/08/2020 04:07	WG1488648
2-Chlorotoluene	U		0.106	0.500	1	06/08/2020 04:07	WG1488648
4-Chlorotoluene	U		0.114	0.500	1	06/08/2020 04:07	WG1488648
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	06/08/2020 04:07	WG1488648
1,2-Dibromoethane	U		0.126	0.500	1	06/08/2020 04:07	WG1488648
Dibromomethane	U		0.122	0.500	1	06/08/2020 04:07	WG1488648
1,2-Dichlorobenzene	U		0.107	0.500	1	06/08/2020 04:07	WG1488648
1,3-Dichlorobenzene	U		0.299	0.500	1	06/08/2020 04:07	WG1488648
1,4-Dichlorobenzene	U		0.120	0.500	1	06/08/2020 04:07	WG1488648
Dichlorodifluoromethane	U		0.374	2.50	1	06/08/2020 04:07	WG1488648
1,1-Dichloroethane	U		0.100	0.500	1	06/08/2020 04:07	WG1488648
1,2-Dichloroethane	U		0.0819	0.500	1	06/08/2020 04:07	WG1488648
1,1-Dichloroethene	U		0.188	0.500	1	06/08/2020 04:07	WG1488648
cis-1,2-Dichloroethene	U		0.126	0.500	1	06/08/2020 04:07	WG1488648
trans-1,2-Dichloroethene	U		0.149	0.500	1	06/08/2020 04:07	WG1488648
1,2-Dichloropropane	U		0.149	0.500	1	06/08/2020 04:07	WG1488648
1,1-Dichloropropene	U		0.142	0.500	1	06/08/2020 04:07	WG1488648
1,3-Dichloropropane	U		0.109	1.00	1	06/08/2020 04:07	WG1488648
cis-1,3-Dichloropropene	U		0.111	0.500	1	06/08/2020 04:07	WG1488648
trans-1,3-Dichloropropene	U		0.118	0.500	1	06/08/2020 04:07	WG1488648
trans-1,4-Dichloro-2-butene	U	JO	0.467	5.00	1	06/08/2020 04:07	WG1488648
2,2-Dichloropropane	U		0.161	0.500	1	06/08/2020 04:07	WG1488648
Ethylbenzene	0.337	J	0.137	0.500	1	06/08/2020 04:07	WG1488648
Hexachloro-1,3-butadiene	U	JO	0.337	1.00	1	06/08/2020 04:07	WG1488648
2-Hexanone	U		0.787	5.00	1	06/08/2020 04:07	WG1488648
n-Hexane	U		0.749	5.00	1	06/08/2020 04:07	WG1488648



Collected date/time: 06/03/20 09:15

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.554	5.00	1	06/08/2020 04:07	WG1488648
Isopropylbenzene	0.399	U	0.105	0.500	1	06/08/2020 04:07	WG1488648
p-Isopropyltoluene	0.125	U	0.120	0.500	1	06/08/2020 04:07	WG1488648
2-Butanone (MEK)	U	UO	1.19	5.00	1	06/08/2020 04:07	WG1488648
Methylene Chloride	U		0.430	2.50	1	06/08/2020 04:07	WG1488648
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	06/08/2020 04:07	WG1488648
Naphthalene	U		0.174	2.50	1	06/08/2020 04:07	WG1488648
n-Propylbenzene	0.113	U	0.0993	0.500	1	06/08/2020 04:07	WG1488648
Styrene	U		0.118	0.500	1	06/08/2020 04:07	WG1488648
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	06/08/2020 04:07	WG1488648
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	06/08/2020 04:07	WG1488648
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	06/08/2020 04:07	WG1488648
Tetrachloroethene	U		0.300	0.500	1	06/08/2020 04:07	WG1488648
Toluene	U		0.278	0.500	1	06/08/2020 04:07	WG1488648
1,2,3-Trichlorobenzene	U		0.164	0.500	1	06/08/2020 04:07	WG1488648
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2020 04:07	WG1488648
1,1,1-Trichloroethane	U		0.149	0.500	1	06/08/2020 04:07	WG1488648
1,1,2-Trichloroethane	U		0.158	0.500	1	06/08/2020 04:07	WG1488648
Trichloroethene	U		0.190	0.500	1	06/08/2020 04:07	WG1488648
Trichlorofluoromethane	U		0.160	2.50	1	06/08/2020 04:07	WG1488648
1,2,3-Trichloropropane	U		0.237	2.50	1	06/08/2020 04:07	WG1488648
1,2,4-Trimethylbenzene	1.14		0.322	0.500	1	06/08/2020 04:07	WG1488648
1,2,3-Trimethylbenzene	2.05		0.104	0.500	1	06/08/2020 04:07	WG1488648
1,3,5-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 04:07	WG1488648
Vinyl acetate	U		0.692	5.00	1	06/08/2020 04:07	WG1488648
Vinyl chloride	U		0.234	0.500	1	06/08/2020 04:07	WG1488648
Xylenes, Total	1.52		0.174	1.50	1	06/08/2020 04:07	WG1488648
Di-isopropyl ether	U		0.105	0.500	1	06/08/2020 04:07	WG1488648
Ethanol	46.6	U	42.0	100	1	06/11/2020 05:36	WG1490434
Ethyl tert-butyl ether	U		0.102	1.00	1	06/08/2020 04:07	WG1488648
Methyl tert-butyl ether	U		0.101	0.500	1	06/08/2020 04:07	WG1488648
tert-Butyl alcohol	U	UO	2.40	5.00	1	06/08/2020 04:07	WG1488648
tert-Amyl Methyl Ether	U		0.195	1.00	1	06/08/2020 04:07	WG1488648
(S) Toluene-d8	105			80.0-120		06/08/2020 04:07	WG1488648
(S) Toluene-d8	113			80.0-120		06/11/2020 05:36	WG1490434
(S) 4-Bromofluorobenzene	99.9			77.0-126		06/08/2020 04:07	WG1488648
(S) 4-Bromofluorobenzene	123			77.0-126		06/11/2020 05:36	WG1490434
(S) 1,2-Dichloroethane-d4	96.8			70.0-130		06/08/2020 04:07	WG1488648
(S) 1,2-Dichloroethane-d4	90.8			70.0-130		06/11/2020 05:36	WG1490434

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	06/09/2020 01:13	WG1488707

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/09/2020 04:36	WG1488934
Benzo(a)pyrene	U		0.0184	0.0500	1	06/09/2020 04:36	WG1488934
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/09/2020 04:36	WG1488934
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/09/2020 04:36	WG1488934
Chrysene	U		0.0179	0.0500	1	06/09/2020 04:36	WG1488934
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/09/2020 04:36	WG1488934
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/09/2020 04:36	WG1488934



Collected date/time: 06/03/20 09:15

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Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	0.188	U	0.0917	0.250	1	06/09/2020 04:36	WG1488934
1-Methylnaphthalene	U		0.0687	0.250	1	06/09/2020 04:36	WG1488934
2-Methylnaphthalene	0.150	U	0.0674	0.250	1	06/09/2020 04:36	WG1488934
(S) Nitrobenzene-d5	43.3			31.0-160		06/09/2020 04:36	WG1488934
(S) 2-Fluorobiphenyl	77.4			48.0-148		06/09/2020 04:36	WG1488934
(S) p-Terphenyl-d14	77.4			37.0-146		06/09/2020 04:36	WG1488934

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	06/10/2020 13:41	WG1488764

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/07/2020 20:46	WG1488437
(S) a,a,a-Trifluorotoluene(FID)	94.5			78.0-120		06/07/2020 20:46	WG1488437

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	JO	11.3	25.0	1	06/08/2020 04:26	WG1488648
Acrylonitrile	U		0.671	5.00	1	06/08/2020 04:26	WG1488648
Benzene	U		0.0941	0.500	1	06/08/2020 04:26	WG1488648
Bromobenzene	U		0.118	0.500	1	06/08/2020 04:26	WG1488648
Bromodichloromethane	U		0.136	0.500	1	06/08/2020 04:26	WG1488648
Bromochloromethane	U		0.128	0.500	1	06/08/2020 04:26	WG1488648
Bromoform	U		0.129	0.500	1	06/08/2020 04:26	WG1488648
Bromomethane	U		0.605	2.50	1	06/08/2020 04:26	WG1488648
n-Butylbenzene	U		0.157	0.500	1	06/08/2020 04:26	WG1488648
sec-Butylbenzene	U		0.125	0.500	1	06/08/2020 04:26	WG1488648
tert-Butylbenzene	U		0.127	0.500	1	06/08/2020 04:26	WG1488648
Carbon disulfide	0.940		0.0962	0.500	1	06/08/2020 04:26	WG1488648
Carbon tetrachloride	U		0.128	0.500	1	06/08/2020 04:26	WG1488648
Chlorobenzene	U		0.117	0.500	1	06/08/2020 04:26	WG1488648
Chlorodibromomethane	U		0.140	0.500	1	06/08/2020 04:26	WG1488648
Chloroethane	U		0.192	2.50	1	06/08/2020 04:26	WG1488648
Chloroform	U		0.111	0.500	1	06/08/2020 04:26	WG1488648
Chloromethane	U		0.960	1.25	1	06/08/2020 04:26	WG1488648
2-Chlorotoluene	U		0.106	0.500	1	06/08/2020 04:26	WG1488648
4-Chlorotoluene	U		0.114	0.500	1	06/08/2020 04:26	WG1488648
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	06/08/2020 04:26	WG1488648
1,2-Dibromoethane	U		0.126	0.500	1	06/08/2020 04:26	WG1488648
Dibromomethane	U		0.122	0.500	1	06/08/2020 04:26	WG1488648
1,2-Dichlorobenzene	U		0.107	0.500	1	06/08/2020 04:26	WG1488648
1,3-Dichlorobenzene	U		0.299	0.500	1	06/08/2020 04:26	WG1488648
1,4-Dichlorobenzene	U		0.120	0.500	1	06/08/2020 04:26	WG1488648
Dichlorodifluoromethane	U		0.374	2.50	1	06/08/2020 04:26	WG1488648
1,1-Dichloroethane	U		0.100	0.500	1	06/08/2020 04:26	WG1488648
1,2-Dichloroethane	U		0.0819	0.500	1	06/08/2020 04:26	WG1488648
1,1-Dichloroethene	U		0.188	0.500	1	06/08/2020 04:26	WG1488648
cis-1,2-Dichloroethene	U		0.126	0.500	1	06/08/2020 04:26	WG1488648
trans-1,2-Dichloroethene	U		0.149	0.500	1	06/08/2020 04:26	WG1488648
1,2-Dichloropropane	U		0.149	0.500	1	06/08/2020 04:26	WG1488648
1,1-Dichloropropene	U		0.142	0.500	1	06/08/2020 04:26	WG1488648
1,3-Dichloropropane	U		0.109	1.00	1	06/08/2020 04:26	WG1488648
cis-1,3-Dichloropropene	U		0.111	0.500	1	06/08/2020 04:26	WG1488648
trans-1,3-Dichloropropene	U		0.118	0.500	1	06/08/2020 04:26	WG1488648
trans-1,4-Dichloro-2-butene	U	JO	0.467	5.00	1	06/08/2020 04:26	WG1488648
2,2-Dichloropropane	U		0.161	0.500	1	06/08/2020 04:26	WG1488648
Ethylbenzene	U		0.137	0.500	1	06/08/2020 04:26	WG1488648
Hexachloro-1,3-butadiene	U	JO	0.337	1.00	1	06/08/2020 04:26	WG1488648
2-Hexanone	U		0.787	5.00	1	06/08/2020 04:26	WG1488648
n-Hexane	U		0.749	5.00	1	06/08/2020 04:26	WG1488648



Collected date/time: 06/02/20 13:55

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.554	5.00	1	06/08/2020 04:26	WG1488648
Isopropylbenzene	U		0.105	0.500	1	06/08/2020 04:26	WG1488648
p-Isopropyltoluene	U		0.120	0.500	1	06/08/2020 04:26	WG1488648
2-Butanone (MEK)	U	<u>JO</u>	1.19	5.00	1	06/08/2020 04:26	WG1488648
Methylene Chloride	U		0.430	2.50	1	06/08/2020 04:26	WG1488648
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	06/08/2020 04:26	WG1488648
Naphthalene	U		0.174	2.50	1	06/08/2020 04:26	WG1488648
n-Propylbenzene	U		0.0993	0.500	1	06/08/2020 04:26	WG1488648
Styrene	U		0.118	0.500	1	06/08/2020 04:26	WG1488648
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	06/08/2020 04:26	WG1488648
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	06/08/2020 04:26	WG1488648
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	06/08/2020 04:26	WG1488648
Tetrachloroethene	U		0.300	0.500	1	06/08/2020 04:26	WG1488648
Toluene	U		0.278	0.500	1	06/08/2020 04:26	WG1488648
1,2,3-Trichlorobenzene	U		0.164	0.500	1	06/08/2020 04:26	WG1488648
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2020 04:26	WG1488648
1,1,1-Trichloroethane	U		0.149	0.500	1	06/08/2020 04:26	WG1488648
1,1,2-Trichloroethane	U		0.158	0.500	1	06/08/2020 04:26	WG1488648
Trichloroethene	U		0.190	0.500	1	06/08/2020 04:26	WG1488648
Trichlorofluoromethane	U		0.160	2.50	1	06/08/2020 04:26	WG1488648
1,2,3-Trichloropropane	U		0.237	2.50	1	06/08/2020 04:26	WG1488648
1,2,4-Trimethylbenzene	U		0.322	0.500	1	06/08/2020 04:26	WG1488648
1,2,3-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 04:26	WG1488648
1,3,5-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 04:26	WG1488648
Vinyl acetate	U		0.692	5.00	1	06/08/2020 04:26	WG1488648
Vinyl chloride	U		0.234	0.500	1	06/08/2020 04:26	WG1488648
Xylenes, Total	U		0.174	1.50	1	06/08/2020 04:26	WG1488648
Di-isopropyl ether	U		0.105	0.500	1	06/08/2020 04:26	WG1488648
Ethanol	U		42.0	100	1	06/11/2020 05:56	WG1490434
Ethyl tert-butyl ether	U		0.102	1.00	1	06/08/2020 04:26	WG1488648
Methyl tert-butyl ether	U		0.101	0.500	1	06/08/2020 04:26	WG1488648
tert-Butyl alcohol	U	<u>JO</u>	2.40	5.00	1	06/08/2020 04:26	WG1488648
tert-Amyl Methyl Ether	U		0.195	1.00	1	06/08/2020 04:26	WG1488648
(S) Toluene-d8	105			80.0-120		06/08/2020 04:26	WG1488648
(S) Toluene-d8	111			80.0-120		06/11/2020 05:56	WG1490434
(S) 4-Bromofluorobenzene	96.2			77.0-126		06/08/2020 04:26	WG1488648
(S) 4-Bromofluorobenzene	116			77.0-126		06/11/2020 05:56	WG1490434
(S) 1,2-Dichloroethane-d4	95.7			70.0-130		06/08/2020 04:26	WG1488648
(S) 1,2-Dichloroethane-d4	92.2			70.0-130		06/11/2020 05:56	WG1490434

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	06/09/2020 01:25	WG1488707

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/08/2020 23:25	WG1488878
Benzo(a)pyrene	U		0.0184	0.0500	1	06/08/2020 23:25	WG1488878
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/08/2020 23:25	WG1488878
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/08/2020 23:25	WG1488878
Chrysene	U		0.0179	0.0500	1	06/08/2020 23:25	WG1488878
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/08/2020 23:25	WG1488878
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/08/2020 23:25	WG1488878



Collected date/time: 06/02/20 13:55

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Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.0917	0.250	1	06/08/2020 23:25	WG1488878
1-Methylnaphthalene	U		0.0687	0.250	1	06/08/2020 23:25	WG1488878
2-Methylnaphthalene	U		0.0674	0.250	1	06/08/2020 23:25	WG1488878
(S) Nitrobenzene-d5	71.6			31.0-160		06/08/2020 23:25	WG1488878
(S) 2-Fluorobiphenyl	82.6			48.0-148		06/08/2020 23:25	WG1488878
(S) p-Terphenyl-d14	87.9			37.0-146		06/08/2020 23:25	WG1488878

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	06/10/2020 13:43	WG1488764

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	06/07/2020 21:10	WG1488437
(S) a,a,a-Trifluorotoluene(FID)	98.3			78.0-120		06/07/2020 21:10	WG1488437

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	JO	11.3	25.0	1	06/08/2020 04:45	WG1488648
Acrylonitrile	U		0.671	5.00	1	06/08/2020 04:45	WG1488648
Benzene	U		0.0941	0.500	1	06/08/2020 04:45	WG1488648
Bromobenzene	U		0.118	0.500	1	06/08/2020 04:45	WG1488648
Bromodichloromethane	U		0.136	0.500	1	06/08/2020 04:45	WG1488648
Bromochloromethane	U		0.128	0.500	1	06/08/2020 04:45	WG1488648
Bromoform	U		0.129	0.500	1	06/08/2020 04:45	WG1488648
Bromomethane	U		0.605	2.50	1	06/08/2020 04:45	WG1488648
n-Butylbenzene	U		0.157	0.500	1	06/08/2020 04:45	WG1488648
sec-Butylbenzene	U		0.125	0.500	1	06/08/2020 04:45	WG1488648
tert-Butylbenzene	U		0.127	0.500	1	06/08/2020 04:45	WG1488648
Carbon disulfide	0.740		0.0962	0.500	1	06/08/2020 04:45	WG1488648
Carbon tetrachloride	U		0.128	0.500	1	06/08/2020 04:45	WG1488648
Chlorobenzene	U		0.117	0.500	1	06/08/2020 04:45	WG1488648
Chlorodibromomethane	U		0.140	0.500	1	06/08/2020 04:45	WG1488648
Chloroethane	U		0.192	2.50	1	06/08/2020 04:45	WG1488648
Chloroform	U		0.111	0.500	1	06/08/2020 04:45	WG1488648
Chloromethane	U		0.960	1.25	1	06/08/2020 04:45	WG1488648
2-Chlorotoluene	U		0.106	0.500	1	06/08/2020 04:45	WG1488648
4-Chlorotoluene	U		0.114	0.500	1	06/08/2020 04:45	WG1488648
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	06/08/2020 04:45	WG1488648
1,2-Dibromoethane	U		0.126	0.500	1	06/08/2020 04:45	WG1488648
Dibromomethane	U		0.122	0.500	1	06/08/2020 04:45	WG1488648
1,2-Dichlorobenzene	U		0.107	0.500	1	06/08/2020 04:45	WG1488648
1,3-Dichlorobenzene	U		0.299	0.500	1	06/08/2020 04:45	WG1488648
1,4-Dichlorobenzene	U		0.120	0.500	1	06/08/2020 04:45	WG1488648
Dichlorodifluoromethane	U		0.374	2.50	1	06/08/2020 04:45	WG1488648
1,1-Dichloroethane	U		0.100	0.500	1	06/08/2020 04:45	WG1488648
1,2-Dichloroethane	U		0.0819	0.500	1	06/08/2020 04:45	WG1488648
1,1-Dichloroethene	U		0.188	0.500	1	06/08/2020 04:45	WG1488648
cis-1,2-Dichloroethene	U		0.126	0.500	1	06/08/2020 04:45	WG1488648
trans-1,2-Dichloroethene	U		0.149	0.500	1	06/08/2020 04:45	WG1488648
1,2-Dichloropropane	U		0.149	0.500	1	06/08/2020 04:45	WG1488648
1,1-Dichloropropene	U		0.142	0.500	1	06/08/2020 04:45	WG1488648
1,3-Dichloropropane	U		0.109	1.00	1	06/08/2020 04:45	WG1488648
cis-1,3-Dichloropropene	U		0.111	0.500	1	06/08/2020 04:45	WG1488648
trans-1,3-Dichloropropene	U		0.118	0.500	1	06/08/2020 04:45	WG1488648
trans-1,4-Dichloro-2-butene	U	JO	0.467	5.00	1	06/08/2020 04:45	WG1488648
2,2-Dichloropropane	U		0.161	0.500	1	06/08/2020 04:45	WG1488648
Ethylbenzene	U		0.137	0.500	1	06/08/2020 04:45	WG1488648
Hexachloro-1,3-butadiene	U	JO	0.337	1.00	1	06/08/2020 04:45	WG1488648
2-Hexanone	U		0.787	5.00	1	06/08/2020 04:45	WG1488648
n-Hexane	U		0.749	5.00	1	06/08/2020 04:45	WG1488648



Collected date/time: 06/02/20 13:15

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.554	5.00	1	06/08/2020 04:45	WG1488648
Isopropylbenzene	U		0.105	0.500	1	06/08/2020 04:45	WG1488648
p-Isopropyltoluene	U		0.120	0.500	1	06/08/2020 04:45	WG1488648
2-Butanone (MEK)	U	<u>JO</u>	1.19	5.00	1	06/08/2020 04:45	WG1488648
Methylene Chloride	U		0.430	2.50	1	06/08/2020 04:45	WG1488648
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	06/08/2020 04:45	WG1488648
Naphthalene	U		0.174	2.50	1	06/08/2020 04:45	WG1488648
n-Propylbenzene	U		0.0993	0.500	1	06/08/2020 04:45	WG1488648
Styrene	U		0.118	0.500	1	06/08/2020 04:45	WG1488648
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	06/08/2020 04:45	WG1488648
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	06/08/2020 04:45	WG1488648
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	06/08/2020 04:45	WG1488648
Tetrachloroethene	U		0.300	0.500	1	06/08/2020 04:45	WG1488648
Toluene	U		0.278	0.500	1	06/08/2020 04:45	WG1488648
1,2,3-Trichlorobenzene	U		0.164	0.500	1	06/08/2020 04:45	WG1488648
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2020 04:45	WG1488648
1,1,1-Trichloroethane	U		0.149	0.500	1	06/08/2020 04:45	WG1488648
1,1,2-Trichloroethane	U		0.158	0.500	1	06/08/2020 04:45	WG1488648
Trichloroethene	U		0.190	0.500	1	06/08/2020 04:45	WG1488648
Trichlorofluoromethane	U		0.160	2.50	1	06/08/2020 04:45	WG1488648
1,2,3-Trichloropropane	U		0.237	2.50	1	06/08/2020 04:45	WG1488648
1,2,4-Trimethylbenzene	U		0.322	0.500	1	06/08/2020 04:45	WG1488648
1,2,3-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 04:45	WG1488648
1,3,5-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 04:45	WG1488648
Vinyl acetate	U		0.692	5.00	1	06/08/2020 04:45	WG1488648
Vinyl chloride	U		0.234	0.500	1	06/08/2020 04:45	WG1488648
Xylenes, Total	U		0.174	1.50	1	06/08/2020 04:45	WG1488648
Di-isopropyl ether	U		0.105	0.500	1	06/08/2020 04:45	WG1488648
Ethanol	U		42.0	100	1	06/11/2020 06:16	WG1490434
Ethyl tert-butyl ether	U		0.102	1.00	1	06/08/2020 04:45	WG1488648
Methyl tert-butyl ether	U		0.101	0.500	1	06/08/2020 04:45	WG1488648
tert-Butyl alcohol	U	<u>JO</u>	2.40	5.00	1	06/08/2020 04:45	WG1488648
tert-Amyl Methyl Ether	U		0.195	1.00	1	06/08/2020 04:45	WG1488648
(S) Toluene-d8	106			80.0-120		06/08/2020 04:45	WG1488648
(S) Toluene-d8	112			80.0-120		06/11/2020 06:16	WG1490434
(S) 4-Bromofluorobenzene	95.4			77.0-126		06/08/2020 04:45	WG1488648
(S) 4-Bromofluorobenzene	117			77.0-126		06/11/2020 06:16	WG1490434
(S) 1,2-Dichloroethane-d4	90.4			70.0-130		06/08/2020 04:45	WG1488648
(S) 1,2-Dichloroethane-d4	91.2			70.0-130		06/11/2020 06:16	WG1490434

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	06/09/2020 01:37	WG1488707

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/08/2020 23:45	WG1488878
Benzo(a)pyrene	U		0.0184	0.0500	1	06/08/2020 23:45	WG1488878
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/08/2020 23:45	WG1488878
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/08/2020 23:45	WG1488878
Chrysene	U		0.0179	0.0500	1	06/08/2020 23:45	WG1488878
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/08/2020 23:45	WG1488878
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/08/2020 23:45	WG1488878



Collected date/time: 06/02/20 13:15

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Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.0917	0.250	1	06/08/2020 23:45	WG1488878
1-Methylnaphthalene	U		0.0687	0.250	1	06/08/2020 23:45	WG1488878
2-Methylnaphthalene	U		0.0674	0.250	1	06/08/2020 23:45	WG1488878
(S) Nitrobenzene-d5	73.7			31.0-160		06/08/2020 23:45	WG1488878
(S) 2-Fluorobiphenyl	82.6			48.0-148		06/08/2020 23:45	WG1488878
(S) p-Terphenyl-d14	90.0			37.0-146		06/08/2020 23:45	WG1488878

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	3.23	J	2.95	6.00	1	06/10/2020 13:46	WG1488764

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	91.5	J	31.6	100	1	06/07/2020 21:34	WG1488437
(S) a,a,a-Trifluorotoluene(FID)	96.6			78.0-120		06/07/2020 21:34	WG1488437

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	JO	11.3	25.0	1	06/08/2020 05:05	WG1488648
Acrylonitrile	U		0.671	5.00	1	06/08/2020 05:05	WG1488648
Benzene	U		0.0941	0.500	1	06/08/2020 05:05	WG1488648
Bromobenzene	U		0.118	0.500	1	06/08/2020 05:05	WG1488648
Bromodichloromethane	U		0.136	0.500	1	06/08/2020 05:05	WG1488648
Bromochloromethane	U		0.128	0.500	1	06/08/2020 05:05	WG1488648
Bromoform	U		0.129	0.500	1	06/08/2020 05:05	WG1488648
Bromomethane	U		0.605	2.50	1	06/08/2020 05:05	WG1488648
n-Butylbenzene	U		0.157	0.500	1	06/08/2020 05:05	WG1488648
sec-Butylbenzene	0.286	J	0.125	0.500	1	06/08/2020 05:05	WG1488648
tert-Butylbenzene	U		0.127	0.500	1	06/08/2020 05:05	WG1488648
Carbon disulfide	0.432	J	0.0962	0.500	1	06/08/2020 05:05	WG1488648
Carbon tetrachloride	U		0.128	0.500	1	06/08/2020 05:05	WG1488648
Chlorobenzene	U		0.117	0.500	1	06/08/2020 05:05	WG1488648
Chlorodibromomethane	U		0.140	0.500	1	06/08/2020 05:05	WG1488648
Chloroethane	U		0.192	2.50	1	06/08/2020 05:05	WG1488648
Chloroform	U		0.111	0.500	1	06/08/2020 05:05	WG1488648
Chloromethane	U		0.960	1.25	1	06/08/2020 05:05	WG1488648
2-Chlorotoluene	U		0.106	0.500	1	06/08/2020 05:05	WG1488648
4-Chlorotoluene	U		0.114	0.500	1	06/08/2020 05:05	WG1488648
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	06/08/2020 05:05	WG1488648
1,2-Dibromoethane	U		0.126	0.500	1	06/08/2020 05:05	WG1488648
Dibromomethane	U		0.122	0.500	1	06/08/2020 05:05	WG1488648
1,2-Dichlorobenzene	U		0.107	0.500	1	06/08/2020 05:05	WG1488648
1,3-Dichlorobenzene	U		0.299	0.500	1	06/08/2020 05:05	WG1488648
1,4-Dichlorobenzene	U		0.120	0.500	1	06/08/2020 05:05	WG1488648
Dichlorodifluoromethane	U		0.374	2.50	1	06/08/2020 05:05	WG1488648
1,1-Dichloroethane	U		0.100	0.500	1	06/08/2020 05:05	WG1488648
1,2-Dichloroethane	U		0.0819	0.500	1	06/08/2020 05:05	WG1488648
1,1-Dichloroethene	U		0.188	0.500	1	06/08/2020 05:05	WG1488648
cis-1,2-Dichloroethene	U		0.126	0.500	1	06/08/2020 05:05	WG1488648
trans-1,2-Dichloroethene	U		0.149	0.500	1	06/08/2020 05:05	WG1488648
1,2-Dichloropropane	U		0.149	0.500	1	06/08/2020 05:05	WG1488648
1,1-Dichloropropene	U		0.142	0.500	1	06/08/2020 05:05	WG1488648
1,3-Dichloropropane	U		0.109	1.00	1	06/08/2020 05:05	WG1488648
cis-1,3-Dichloropropene	U		0.111	0.500	1	06/08/2020 05:05	WG1488648
trans-1,3-Dichloropropene	U		0.118	0.500	1	06/08/2020 05:05	WG1488648
trans-1,4-Dichloro-2-butene	U	JO	0.467	5.00	1	06/08/2020 05:05	WG1488648
2,2-Dichloropropane	U		0.161	0.500	1	06/08/2020 05:05	WG1488648
Ethylbenzene	U		0.137	0.500	1	06/08/2020 05:05	WG1488648
Hexachloro-1,3-butadiene	U	JO	0.337	1.00	1	06/08/2020 05:05	WG1488648
2-Hexanone	U		0.787	5.00	1	06/08/2020 05:05	WG1488648
n-Hexane	U		0.749	5.00	1	06/08/2020 05:05	WG1488648



Collected date/time: 06/02/20 11:05

L1225536

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.554	5.00	1	06/08/2020 05:05	WG1488648
Isopropylbenzene	U		0.105	0.500	1	06/08/2020 05:05	WG1488648
p-Isopropyltoluene	U		0.120	0.500	1	06/08/2020 05:05	WG1488648
2-Butanone (MEK)	U	<u>JO</u>	1.19	5.00	1	06/08/2020 05:05	WG1488648
Methylene Chloride	U		0.430	2.50	1	06/08/2020 05:05	WG1488648
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	06/08/2020 05:05	WG1488648
Naphthalene	U		0.174	2.50	1	06/08/2020 05:05	WG1488648
n-Propylbenzene	U		0.0993	0.500	1	06/08/2020 05:05	WG1488648
Styrene	U		0.118	0.500	1	06/08/2020 05:05	WG1488648
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	06/08/2020 05:05	WG1488648
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	06/08/2020 05:05	WG1488648
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	06/08/2020 05:05	WG1488648
Tetrachloroethene	U		0.300	0.500	1	06/08/2020 05:05	WG1488648
Toluene	U		0.278	0.500	1	06/08/2020 05:05	WG1488648
1,2,3-Trichlorobenzene	U		0.164	0.500	1	06/08/2020 05:05	WG1488648
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2020 05:05	WG1488648
1,1,1-Trichloroethane	U		0.149	0.500	1	06/08/2020 05:05	WG1488648
1,1,2-Trichloroethane	U		0.158	0.500	1	06/08/2020 05:05	WG1488648
Trichloroethene	U		0.190	0.500	1	06/08/2020 05:05	WG1488648
Trichlorofluoromethane	U		0.160	2.50	1	06/08/2020 05:05	WG1488648
1,2,3-Trichloropropane	U		0.237	2.50	1	06/08/2020 05:05	WG1488648
1,2,4-Trimethylbenzene	U		0.322	0.500	1	06/08/2020 05:05	WG1488648
1,2,3-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 05:05	WG1488648
1,3,5-Trimethylbenzene	U		0.104	0.500	1	06/08/2020 05:05	WG1488648
Vinyl acetate	U		0.692	5.00	1	06/08/2020 05:05	WG1488648
Vinyl chloride	U		0.234	0.500	1	06/08/2020 05:05	WG1488648
Xylenes, Total	U		0.174	1.50	1	06/08/2020 05:05	WG1488648
Di-isopropyl ether	U		0.105	0.500	1	06/08/2020 05:05	WG1488648
Ethanol	U		42.0	100	1	06/11/2020 06:36	WG1490434
Ethyl tert-butyl ether	U		0.102	1.00	1	06/08/2020 05:05	WG1488648
Methyl tert-butyl ether	0.229	<u>J</u>	0.101	0.500	1	06/08/2020 05:05	WG1488648
tert-Butyl alcohol	5.44	<u>JO</u>	2.40	5.00	1	06/08/2020 05:05	WG1488648
tert-Amyl Methyl Ether	U		0.195	1.00	1	06/08/2020 05:05	WG1488648
(S) Toluene-d8	103			80.0-120		06/08/2020 05:05	WG1488648
(S) Toluene-d8	111			80.0-120		06/11/2020 06:36	WG1490434
(S) 4-Bromofluorobenzene	96.8			77.0-126		06/08/2020 05:05	WG1488648
(S) 4-Bromofluorobenzene	117			77.0-126		06/11/2020 06:36	WG1490434
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		06/08/2020 05:05	WG1488648
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		06/11/2020 06:36	WG1490434

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	06/09/2020 02:11	WG1488707

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/09/2020 00:05	WG1488878
Benzo(a)pyrene	U		0.0184	0.0500	1	06/09/2020 00:05	WG1488878
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/09/2020 00:05	WG1488878
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/09/2020 00:05	WG1488878
Chrysene	U		0.0179	0.0500	1	06/09/2020 00:05	WG1488878
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/09/2020 00:05	WG1488878
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/09/2020 00:05	WG1488878

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.0917	0.250	1	06/09/2020 00:05	WG1488878
1-Methylnaphthalene	U		0.0687	0.250	1	06/09/2020 00:05	WG1488878
2-Methylnaphthalene	U		0.0674	0.250	1	06/09/2020 00:05	WG1488878
(S) Nitrobenzene-d5	77.4			31.0-160		06/09/2020 00:05	WG1488878
(S) 2-Fluorobiphenyl	84.7			48.0-148		06/09/2020 00:05	WG1488878
(S) p-Terphenyl-d14	83.7			37.0-146		06/09/2020 00:05	WG1488878

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	06/10/2020 13:54	WG1488764

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	917		31.6	100	1	06/07/2020 21:58	WG1488437
(S) a,a,a-Trifluorotoluene(FID)	98.8			78.0-120		06/07/2020 21:58	WG1488437

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	17.7	J JO	11.3	25.0	1	06/08/2020 05:24	WG1488648
Acrylonitrile	U		0.671	5.00	1	06/08/2020 05:24	WG1488648
Benzene	0.872		0.0941	0.500	1	06/08/2020 05:24	WG1488648
Bromobenzene	U		0.118	0.500	1	06/08/2020 05:24	WG1488648
Bromodichloromethane	U		0.136	0.500	1	06/08/2020 05:24	WG1488648
Bromochloromethane	U		0.128	0.500	1	06/08/2020 05:24	WG1488648
Bromoform	U		0.129	0.500	1	06/08/2020 05:24	WG1488648
Bromomethane	U		0.605	2.50	1	06/08/2020 05:24	WG1488648
n-Butylbenzene	0.207	J	0.157	0.500	1	06/08/2020 05:24	WG1488648
sec-Butylbenzene	0.841		0.125	0.500	1	06/08/2020 05:24	WG1488648
tert-Butylbenzene	U		0.127	0.500	1	06/08/2020 05:24	WG1488648
Carbon disulfide	0.543		0.0962	0.500	1	06/08/2020 05:24	WG1488648
Carbon tetrachloride	U		0.128	0.500	1	06/08/2020 05:24	WG1488648
Chlorobenzene	U		0.117	0.500	1	06/08/2020 05:24	WG1488648
Chlorodibromomethane	U		0.140	0.500	1	06/08/2020 05:24	WG1488648
Chloroethane	U		0.192	2.50	1	06/08/2020 05:24	WG1488648
Chloroform	U		0.111	0.500	1	06/08/2020 05:24	WG1488648
Chloromethane	U		0.960	1.25	1	06/08/2020 05:24	WG1488648
2-Chlorotoluene	U		0.106	0.500	1	06/08/2020 05:24	WG1488648
4-Chlorotoluene	U		0.114	0.500	1	06/08/2020 05:24	WG1488648
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	06/08/2020 05:24	WG1488648
1,2-Dibromoethane	U		0.126	0.500	1	06/08/2020 05:24	WG1488648
Dibromomethane	U		0.122	0.500	1	06/08/2020 05:24	WG1488648
1,2-Dichlorobenzene	U		0.107	0.500	1	06/08/2020 05:24	WG1488648
1,3-Dichlorobenzene	U		0.299	0.500	1	06/08/2020 05:24	WG1488648
1,4-Dichlorobenzene	U		0.120	0.500	1	06/08/2020 05:24	WG1488648
Dichlorodifluoromethane	U		0.374	2.50	1	06/08/2020 05:24	WG1488648
1,1-Dichloroethane	U		0.100	0.500	1	06/08/2020 05:24	WG1488648
1,2-Dichloroethane	U		0.0819	0.500	1	06/08/2020 05:24	WG1488648
1,1-Dichloroethene	U		0.188	0.500	1	06/08/2020 05:24	WG1488648
cis-1,2-Dichloroethene	U		0.126	0.500	1	06/08/2020 05:24	WG1488648
trans-1,2-Dichloroethene	U		0.149	0.500	1	06/08/2020 05:24	WG1488648
1,2-Dichloropropane	U		0.149	0.500	1	06/08/2020 05:24	WG1488648
1,1-Dichloropropene	U		0.142	0.500	1	06/08/2020 05:24	WG1488648
1,3-Dichloropropane	U		0.109	1.00	1	06/08/2020 05:24	WG1488648
cis-1,3-Dichloropropene	U		0.111	0.500	1	06/08/2020 05:24	WG1488648
trans-1,3-Dichloropropene	U		0.118	0.500	1	06/08/2020 05:24	WG1488648
trans-1,4-Dichloro-2-butene	U	JO	0.467	5.00	1	06/08/2020 05:24	WG1488648
2,2-Dichloropropane	U		0.161	0.500	1	06/08/2020 05:24	WG1488648
Ethylbenzene	2.35		0.137	0.500	1	06/08/2020 05:24	WG1488648
Hexachloro-1,3-butadiene	U	JO	0.337	1.00	1	06/08/2020 05:24	WG1488648
2-Hexanone	U		0.787	5.00	1	06/08/2020 05:24	WG1488648
n-Hexane	1.54	J	0.749	5.00	1	06/08/2020 05:24	WG1488648



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.554	5.00	1	06/08/2020 05:24	WG1488648
Isopropylbenzene	3.53		0.105	0.500	1	06/08/2020 05:24	WG1488648
p-Isopropyltoluene	1.41		0.120	0.500	1	06/08/2020 05:24	WG1488648
2-Butanone (MEK)	U	<u>JO</u>	1.19	5.00	1	06/08/2020 05:24	WG1488648
Methylene Chloride	U		0.430	2.50	1	06/08/2020 05:24	WG1488648
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	06/08/2020 05:24	WG1488648
Naphthalene	1.03	<u>J</u>	0.174	2.50	1	06/08/2020 05:24	WG1488648
n-Propylbenzene	2.99		0.0993	0.500	1	06/08/2020 05:24	WG1488648
Styrene	U		0.118	0.500	1	06/08/2020 05:24	WG1488648
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	06/08/2020 05:24	WG1488648
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	06/08/2020 05:24	WG1488648
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	06/08/2020 05:24	WG1488648
Tetrachloroethene	U		0.300	0.500	1	06/08/2020 05:24	WG1488648
Toluene	U		0.278	0.500	1	06/08/2020 05:24	WG1488648
1,2,3-Trichlorobenzene	U		0.164	0.500	1	06/08/2020 05:24	WG1488648
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2020 05:24	WG1488648
1,1,1-Trichloroethane	U		0.149	0.500	1	06/08/2020 05:24	WG1488648
1,1,2-Trichloroethane	U		0.158	0.500	1	06/08/2020 05:24	WG1488648
Trichloroethene	U		0.190	0.500	1	06/08/2020 05:24	WG1488648
Trichlorofluoromethane	U		0.160	2.50	1	06/08/2020 05:24	WG1488648
1,2,3-Trichloropropane	U		0.237	2.50	1	06/08/2020 05:24	WG1488648
1,2,4-Trimethylbenzene	1.38		0.322	0.500	1	06/08/2020 05:24	WG1488648
1,2,3-Trimethylbenzene	0.587		0.104	0.500	1	06/08/2020 05:24	WG1488648
1,3,5-Trimethylbenzene	1.03		0.104	0.500	1	06/08/2020 05:24	WG1488648
Vinyl acetate	U		0.692	5.00	1	06/08/2020 05:24	WG1488648
Vinyl chloride	U		0.234	0.500	1	06/08/2020 05:24	WG1488648
Xylenes, Total	0.526	<u>J</u>	0.174	1.50	1	06/08/2020 05:24	WG1488648
Di-isopropyl ether	U		0.105	0.500	1	06/08/2020 05:24	WG1488648
Ethanol	U		42.0	100	1	06/11/2020 06:57	WG1490434
Ethyl tert-butyl ether	U		0.102	1.00	1	06/08/2020 05:24	WG1488648
Methyl tert-butyl ether	U		0.101	0.500	1	06/08/2020 05:24	WG1488648
tert-Butyl alcohol	4.81	<u>J JO</u>	2.40	5.00	1	06/08/2020 05:24	WG1488648
tert-Amyl Methyl Ether	U		0.195	1.00	1	06/08/2020 05:24	WG1488648
(S) Toluene-d8	102			80.0-120		06/08/2020 05:24	WG1488648
(S) Toluene-d8	109			80.0-120		06/11/2020 06:57	WG1490434
(S) 4-Bromofluorobenzene	94.8			77.0-126		06/08/2020 05:24	WG1488648
(S) 4-Bromofluorobenzene	118			77.0-126		06/11/2020 06:57	WG1490434
(S) 1,2-Dichloroethane-d4	94.3			70.0-130		06/08/2020 05:24	WG1488648
(S) 1,2-Dichloroethane-d4	89.7			70.0-130		06/11/2020 06:57	WG1490434

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	06/09/2020 02:23	WG1488707

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/09/2020 00:25	WG1488878
Benzo(a)pyrene	U		0.0184	0.0500	1	06/09/2020 00:25	WG1488878
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/09/2020 00:25	WG1488878
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/09/2020 00:25	WG1488878
Chrysene	U		0.0179	0.0500	1	06/09/2020 00:25	WG1488878
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/09/2020 00:25	WG1488878
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/09/2020 00:25	WG1488878



Collected date/time: 06/02/20 11:45

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Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	0.519		0.0917	0.250	1	06/09/2020 00:25	WG1488878
1-Methylnaphthalene	0.138	U	0.0687	0.250	1	06/09/2020 00:25	WG1488878
2-Methylnaphthalene	0.0727	U	0.0674	0.250	1	06/09/2020 00:25	WG1488878
(S) Nitrobenzene-d5	73.7			31.0-160		06/09/2020 00:25	WG1488878
(S) 2-Fluorobiphenyl	84.2			48.0-148		06/09/2020 00:25	WG1488878
(S) p-Terphenyl-d14	90.0			37.0-146		06/09/2020 00:25	WG1488878

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	06/10/2020 13:57	WG1488764

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1840		31.6	100	1	06/07/2020 22:22	WG1488437
(S) a,a,a-Trifluorotoluene(FID)	95.9			78.0-120		06/07/2020 22:22	WG1488437

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	JO	11.3	25.0	1	06/08/2020 05:43	WG1488648
Acrylonitrile	U		0.671	5.00	1	06/08/2020 05:43	WG1488648
Benzene	U		0.0941	0.500	1	06/08/2020 05:43	WG1488648
Bromobenzene	U		0.118	0.500	1	06/08/2020 05:43	WG1488648
Bromodichloromethane	U		0.136	0.500	1	06/08/2020 05:43	WG1488648
Bromochloromethane	U		0.128	0.500	1	06/08/2020 05:43	WG1488648
Bromoform	U		0.129	0.500	1	06/08/2020 05:43	WG1488648
Bromomethane	U		0.605	2.50	1	06/08/2020 05:43	WG1488648
n-Butylbenzene	0.177	J	0.157	0.500	1	06/08/2020 05:43	WG1488648
sec-Butylbenzene	1.42		0.125	0.500	1	06/08/2020 05:43	WG1488648
tert-Butylbenzene	0.147	J	0.127	0.500	1	06/08/2020 05:43	WG1488648
Carbon disulfide	0.448	J	0.0962	0.500	1	06/08/2020 05:43	WG1488648
Carbon tetrachloride	U		0.128	0.500	1	06/08/2020 05:43	WG1488648
Chlorobenzene	U		0.117	0.500	1	06/08/2020 05:43	WG1488648
Chlorodibromomethane	U		0.140	0.500	1	06/08/2020 05:43	WG1488648
Chloroethane	U		0.192	2.50	1	06/08/2020 05:43	WG1488648
Chloroform	U		0.111	0.500	1	06/08/2020 05:43	WG1488648
Chloromethane	U		0.960	1.25	1	06/08/2020 05:43	WG1488648
2-Chlorotoluene	U		0.106	0.500	1	06/08/2020 05:43	WG1488648
4-Chlorotoluene	U		0.114	0.500	1	06/08/2020 05:43	WG1488648
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	06/08/2020 05:43	WG1488648
1,2-Dibromoethane	U		0.126	0.500	1	06/08/2020 05:43	WG1488648
Dibromomethane	U		0.122	0.500	1	06/08/2020 05:43	WG1488648
1,2-Dichlorobenzene	U		0.107	0.500	1	06/08/2020 05:43	WG1488648
1,3-Dichlorobenzene	U		0.299	0.500	1	06/08/2020 05:43	WG1488648
1,4-Dichlorobenzene	U		0.120	0.500	1	06/08/2020 05:43	WG1488648
Dichlorodifluoromethane	U		0.374	2.50	1	06/08/2020 05:43	WG1488648
1,1-Dichloroethane	U		0.100	0.500	1	06/08/2020 05:43	WG1488648
1,2-Dichloroethane	U		0.0819	0.500	1	06/08/2020 05:43	WG1488648
1,1-Dichloroethene	U		0.188	0.500	1	06/08/2020 05:43	WG1488648
cis-1,2-Dichloroethene	U		0.126	0.500	1	06/08/2020 05:43	WG1488648
trans-1,2-Dichloroethene	U		0.149	0.500	1	06/08/2020 05:43	WG1488648
1,2-Dichloropropane	U		0.149	0.500	1	06/08/2020 05:43	WG1488648
1,1-Dichloropropene	U		0.142	0.500	1	06/08/2020 05:43	WG1488648
1,3-Dichloropropane	U		0.109	1.00	1	06/08/2020 05:43	WG1488648
cis-1,3-Dichloropropene	U		0.111	0.500	1	06/08/2020 05:43	WG1488648
trans-1,3-Dichloropropene	U		0.118	0.500	1	06/08/2020 05:43	WG1488648
trans-1,4-Dichloro-2-butene	U	JO	0.467	5.00	1	06/08/2020 05:43	WG1488648
2,2-Dichloropropane	U		0.161	0.500	1	06/08/2020 05:43	WG1488648
Ethylbenzene	0.216	J	0.137	0.500	1	06/08/2020 05:43	WG1488648
Hexachloro-1,3-butadiene	U	JO	0.337	1.00	1	06/08/2020 05:43	WG1488648
2-Hexanone	U		0.787	5.00	1	06/08/2020 05:43	WG1488648
n-Hexane	U		0.749	5.00	1	06/08/2020 05:43	WG1488648



Collected date/time: 06/02/20 12:30

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.554	5.00	1	06/08/2020 05:43	WG1488648
Isopropylbenzene	0.588		0.105	0.500	1	06/08/2020 05:43	WG1488648
p-Isopropyltoluene	2.18		0.120	0.500	1	06/08/2020 05:43	WG1488648
2-Butanone (MEK)	U	JO	1.19	5.00	1	06/08/2020 05:43	WG1488648
Methylene Chloride	U		0.430	2.50	1	06/08/2020 05:43	WG1488648
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	06/08/2020 05:43	WG1488648
Naphthalene	U		0.174	2.50	1	06/08/2020 05:43	WG1488648
n-Propylbenzene	0.752		0.0993	0.500	1	06/08/2020 05:43	WG1488648
Styrene	U		0.118	0.500	1	06/08/2020 05:43	WG1488648
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	06/08/2020 05:43	WG1488648
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	06/08/2020 05:43	WG1488648
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	06/08/2020 05:43	WG1488648
Tetrachloroethene	U		0.300	0.500	1	06/08/2020 05:43	WG1488648
Toluene	U		0.278	0.500	1	06/08/2020 05:43	WG1488648
1,2,3-Trichlorobenzene	U		0.164	0.500	1	06/08/2020 05:43	WG1488648
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2020 05:43	WG1488648
1,1,1-Trichloroethane	U		0.149	0.500	1	06/08/2020 05:43	WG1488648
1,1,2-Trichloroethane	U		0.158	0.500	1	06/08/2020 05:43	WG1488648
Trichloroethene	U		0.190	0.500	1	06/08/2020 05:43	WG1488648
Trichlorofluoromethane	U		0.160	2.50	1	06/08/2020 05:43	WG1488648
1,2,3-Trichloropropane	U		0.237	2.50	1	06/08/2020 05:43	WG1488648
1,2,4-Trimethylbenzene	2.53		0.322	0.500	1	06/08/2020 05:43	WG1488648
1,2,3-Trimethylbenzene	0.410	LO	0.104	0.500	1	06/08/2020 05:43	WG1488648
1,3,5-Trimethylbenzene	0.236	LO	0.104	0.500	1	06/08/2020 05:43	WG1488648
Vinyl acetate	U		0.692	5.00	1	06/08/2020 05:43	WG1488648
Vinyl chloride	U		0.234	0.500	1	06/08/2020 05:43	WG1488648
Xylenes, Total	0.210	LO	0.174	1.50	1	06/08/2020 05:43	WG1488648
Di-isopropyl ether	U		0.105	0.500	1	06/08/2020 05:43	WG1488648
Ethanol	U		42.0	100	1	06/11/2020 07:17	WG1490434
Ethyl tert-butyl ether	U		0.102	1.00	1	06/08/2020 05:43	WG1488648
Methyl tert-butyl ether	U		0.101	0.500	1	06/08/2020 05:43	WG1488648
tert-Butyl alcohol	U	JO	2.40	5.00	1	06/08/2020 05:43	WG1488648
tert-Amyl Methyl Ether	U		0.195	1.00	1	06/08/2020 05:43	WG1488648
(S) Toluene-d8	93.5			80.0-120		06/08/2020 05:43	WG1488648
(S) Toluene-d8	105			80.0-120		06/11/2020 07:17	WG1490434
(S) 4-Bromofluorobenzene	91.1			77.0-126		06/08/2020 05:43	WG1488648
(S) 4-Bromofluorobenzene	121			77.0-126		06/11/2020 07:17	WG1490434
(S) 1,2-Dichloroethane-d4	94.6			70.0-130		06/08/2020 05:43	WG1488648
(S) 1,2-Dichloroethane-d4	91.1			70.0-130		06/11/2020 07:17	WG1490434

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	06/09/2020 02:34	WG1488707

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/09/2020 00:45	WG1488878
Benzo(a)pyrene	U		0.0184	0.0500	1	06/09/2020 00:45	WG1488878
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/09/2020 00:45	WG1488878
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/09/2020 00:45	WG1488878
Chrysene	U		0.0179	0.0500	1	06/09/2020 00:45	WG1488878
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/09/2020 00:45	WG1488878
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/09/2020 00:45	WG1488878



Collected date/time: 06/02/20 12:30

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Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	0.108	J	0.0917	0.250	1	06/09/2020 00:45	WG1488878
1-Methylnaphthalene	U		0.0687	0.250	1	06/09/2020 00:45	WG1488878
2-Methylnaphthalene	U		0.0674	0.250	1	06/09/2020 00:45	WG1488878
(S) Nitrobenzene-d5	72.1			31.0-160		06/09/2020 00:45	WG1488878
(S) 2-Fluorobiphenyl	85.3			48.0-148		06/09/2020 00:45	WG1488878
(S) p-Terphenyl-d14	92.1			37.0-146		06/09/2020 00:45	WG1488878

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	06/10/2020 13:59	WG1488764

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1770		31.6	100	1	06/07/2020 22:46	WG1488437
(S) a,a,a-Trifluorotoluene(FID)	99.8			78.0-120		06/07/2020 22:46	WG1488437

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U	<u>JO</u>	11.3	25.0	1	06/08/2020 06:02	WG1488648
Acrylonitrile	U		0.671	5.00	1	06/08/2020 06:02	WG1488648
Benzene	U		0.0941	0.500	1	06/08/2020 06:02	WG1488648
Bromobenzene	U		0.118	0.500	1	06/08/2020 06:02	WG1488648
Bromodichloromethane	U		0.136	0.500	1	06/08/2020 06:02	WG1488648
Bromochloromethane	U		0.128	0.500	1	06/08/2020 06:02	WG1488648
Bromoform	U		0.129	0.500	1	06/08/2020 06:02	WG1488648
Bromomethane	U		0.605	2.50	1	06/08/2020 06:02	WG1488648
n-Butylbenzene	0.160	<u>J</u>	0.157	0.500	1	06/08/2020 06:02	WG1488648
sec-Butylbenzene	1.56		0.125	0.500	1	06/08/2020 06:02	WG1488648
tert-Butylbenzene	0.170	<u>J</u>	0.127	0.500	1	06/08/2020 06:02	WG1488648
Carbon disulfide	0.203	<u>J</u>	0.0962	0.500	1	06/08/2020 06:02	WG1488648
Carbon tetrachloride	U		0.128	0.500	1	06/08/2020 06:02	WG1488648
Chlorobenzene	U		0.117	0.500	1	06/08/2020 06:02	WG1488648
Chlorodibromomethane	U		0.140	0.500	1	06/08/2020 06:02	WG1488648
Chloroethane	U		0.192	2.50	1	06/08/2020 06:02	WG1488648
Chloroform	U		0.111	0.500	1	06/08/2020 06:02	WG1488648
Chloromethane	U		0.960	1.25	1	06/08/2020 06:02	WG1488648
2-Chlorotoluene	U		0.106	0.500	1	06/08/2020 06:02	WG1488648
4-Chlorotoluene	U		0.114	0.500	1	06/08/2020 06:02	WG1488648
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	06/08/2020 06:02	WG1488648
1,2-Dibromoethane	U		0.126	0.500	1	06/08/2020 06:02	WG1488648
Dibromomethane	U		0.122	0.500	1	06/08/2020 06:02	WG1488648
1,2-Dichlorobenzene	U		0.107	0.500	1	06/08/2020 06:02	WG1488648
1,3-Dichlorobenzene	U		0.299	0.500	1	06/08/2020 06:02	WG1488648
1,4-Dichlorobenzene	U		0.120	0.500	1	06/08/2020 06:02	WG1488648
Dichlorodifluoromethane	U		0.374	2.50	1	06/08/2020 06:02	WG1488648
1,1-Dichloroethane	U		0.100	0.500	1	06/08/2020 06:02	WG1488648
1,2-Dichloroethane	U		0.0819	0.500	1	06/08/2020 06:02	WG1488648
1,1-Dichloroethene	U		0.188	0.500	1	06/08/2020 06:02	WG1488648
cis-1,2-Dichloroethene	U		0.126	0.500	1	06/08/2020 06:02	WG1488648
trans-1,2-Dichloroethene	U		0.149	0.500	1	06/08/2020 06:02	WG1488648
1,2-Dichloropropane	U		0.149	0.500	1	06/08/2020 06:02	WG1488648
1,1-Dichloropropene	U		0.142	0.500	1	06/08/2020 06:02	WG1488648
1,3-Dichloropropane	U		0.109	1.00	1	06/08/2020 06:02	WG1488648
cis-1,3-Dichloropropene	U		0.111	0.500	1	06/08/2020 06:02	WG1488648
trans-1,3-Dichloropropene	U		0.118	0.500	1	06/08/2020 06:02	WG1488648
trans-1,4-Dichloro-2-butene	U	<u>JO</u>	0.467	5.00	1	06/08/2020 06:02	WG1488648
2,2-Dichloropropane	U		0.161	0.500	1	06/08/2020 06:02	WG1488648
Ethylbenzene	0.319	<u>J</u>	0.137	0.500	1	06/08/2020 06:02	WG1488648
Hexachloro-1,3-butadiene	U	<u>JO</u>	0.337	1.00	1	06/08/2020 06:02	WG1488648
2-Hexanone	U		0.787	5.00	1	06/08/2020 06:02	WG1488648
n-Hexane	U		0.749	5.00	1	06/08/2020 06:02	WG1488648



Collected date/time: 06/02/20 00:00

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Iodomethane	U		0.554	5.00	1	06/08/2020 06:02	WG1488648
Isopropylbenzene	0.862		0.105	0.500	1	06/08/2020 06:02	WG1488648
p-Isopropyltoluene	2.90		0.120	0.500	1	06/08/2020 06:02	WG1488648
2-Butanone (MEK)	U	<u>JO</u>	1.19	5.00	1	06/08/2020 06:02	WG1488648
Methylene Chloride	U		0.430	2.50	1	06/08/2020 06:02	WG1488648
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	06/08/2020 06:02	WG1488648
Naphthalene	U		0.174	2.50	1	06/08/2020 06:02	WG1488648
n-Propylbenzene	1.08		0.0993	0.500	1	06/08/2020 06:02	WG1488648
Styrene	U		0.118	0.500	1	06/08/2020 06:02	WG1488648
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	06/08/2020 06:02	WG1488648
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	06/08/2020 06:02	WG1488648
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	06/08/2020 06:02	WG1488648
Tetrachloroethene	U		0.300	0.500	1	06/08/2020 06:02	WG1488648
Toluene	U		0.278	0.500	1	06/08/2020 06:02	WG1488648
1,2,3-Trichlorobenzene	U		0.164	0.500	1	06/08/2020 06:02	WG1488648
1,2,4-Trichlorobenzene	U		0.481	1.00	1	06/08/2020 06:02	WG1488648
1,1,1-Trichloroethane	U		0.149	0.500	1	06/08/2020 06:02	WG1488648
1,1,2-Trichloroethane	U		0.158	0.500	1	06/08/2020 06:02	WG1488648
Trichloroethene	U		0.190	0.500	1	06/08/2020 06:02	WG1488648
Trichlorofluoromethane	U		0.160	2.50	1	06/08/2020 06:02	WG1488648
1,2,3-Trichloropropane	U		0.237	2.50	1	06/08/2020 06:02	WG1488648
1,2,4-Trimethylbenzene	4.43		0.322	0.500	1	06/08/2020 06:02	WG1488648
1,2,3-Trimethylbenzene	0.679		0.104	0.500	1	06/08/2020 06:02	WG1488648
1,3,5-Trimethylbenzene	0.639		0.104	0.500	1	06/08/2020 06:02	WG1488648
Vinyl acetate	U		0.692	5.00	1	06/08/2020 06:02	WG1488648
Vinyl chloride	U		0.234	0.500	1	06/08/2020 06:02	WG1488648
Xylenes, Total	0.384	<u>J</u>	0.174	1.50	1	06/08/2020 06:02	WG1488648
Di-isopropyl ether	U		0.105	0.500	1	06/08/2020 06:02	WG1488648
Ethanol	U		42.0	100	1	06/11/2020 07:37	WG1490434
Ethyl tert-butyl ether	U		0.102	1.00	1	06/08/2020 06:02	WG1488648
Methyl tert-butyl ether	U		0.101	0.500	1	06/08/2020 06:02	WG1488648
tert-Butyl alcohol	U	<u>JO</u>	2.40	5.00	1	06/08/2020 06:02	WG1488648
tert-Amyl Methyl Ether	U		0.195	1.00	1	06/08/2020 06:02	WG1488648
(S) Toluene-d8	94.1			80.0-120		06/08/2020 06:02	WG1488648
(S) Toluene-d8	105			80.0-120		06/11/2020 07:37	WG1490434
(S) 4-Bromofluorobenzene	89.3			77.0-126		06/08/2020 06:02	WG1488648
(S) 4-Bromofluorobenzene	123			77.0-126		06/11/2020 07:37	WG1490434
(S) 1,2-Dichloroethane-d4	96.8			70.0-130		06/08/2020 06:02	WG1488648
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		06/11/2020 07:37	WG1490434

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	06/09/2020 02:46	WG1488707

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	06/09/2020 01:05	WG1488878
Benzo(a)pyrene	U		0.0184	0.0500	1	06/09/2020 01:05	WG1488878
Benzo(b)fluoranthene	U		0.0168	0.0500	1	06/09/2020 01:05	WG1488878
Benzo(k)fluoranthene	U		0.0202	0.0500	1	06/09/2020 01:05	WG1488878
Chrysene	U		0.0179	0.0500	1	06/09/2020 01:05	WG1488878
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	06/09/2020 01:05	WG1488878
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	06/09/2020 01:05	WG1488878



Collected date/time: 06/02/20 00:00

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Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Naphthalene	0.198	J	0.0917	0.250	1	06/09/2020 01:05	WG1488878
1-Methylnaphthalene	U		0.0687	0.250	1	06/09/2020 01:05	WG1488878
2-Methylnaphthalene	U		0.0674	0.250	1	06/09/2020 01:05	WG1488878
(S) Nitrobenzene-d5	69.5			31.0-160		06/09/2020 01:05	WG1488878
(S) 2-Fluorobiphenyl	83.7			48.0-148		06/09/2020 01:05	WG1488878
(S) p-Terphenyl-d14	88.4			37.0-146		06/09/2020 01:05	WG1488878

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc



Method Blank (MB)

(MB) R3537559-1 06/11/20 11:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		2.95	6.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3537559-2 06/11/20 11:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	989	98.9	80.0-120	

Method Blank (MB)

(MB) R3537285-1 06/10/20 13:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		2.95	6.00

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3537285-2 06/10/20 13:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	969	96.9	80.0-120	

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3536059-2 06/07/20 14:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	97.6			78.0-120

Laboratory Control Sample (LCS)

(LCS) R3536059-1 06/07/20 13:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	6050	110	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			104	78.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3537159-3 06/07/20 23:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500
Di-isopropyl ether	U		0.105	0.500

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3537159-3 06/07/20 23:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		0.554	5.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
tert-Amyl Methyl Ether	U		0.195	1.00
Ethyl tert-butyl ether	U		0.102	1.00
tert-Butyl alcohol	U		2.40	5.00
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	97.2			77.0-126
(S) 1,2-Dichloroethane-d4	97.8			70.0-130

1

Cp

2

Tc

3

Ss

4

Cn

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Sr

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Qc

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Gl

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Al

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Sc



Laboratory Control Sample (LCS)

(LCS) R3537159-1 06/07/20 22:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	19.2	76.8	19.0-160	
Acrylonitrile	25.0	21.2	84.8	55.0-149	
Benzene	5.00	4.90	98.0	70.0-123	
Bromobenzene	5.00	5.09	102	73.0-121	
Bromodichloromethane	5.00	4.73	94.6	75.0-120	
Bromochloromethane	5.00	5.20	104	76.0-122	
Bromoform	5.00	4.58	91.6	68.0-132	
Bromomethane	5.00	4.69	93.8	10.0-160	
n-Butylbenzene	5.00	5.24	105	73.0-125	
sec-Butylbenzene	5.00	5.42	108	75.0-125	
tert-Butylbenzene	5.00	5.46	109	76.0-124	
Carbon disulfide	5.00	4.74	94.8	61.0-128	
Carbon tetrachloride	5.00	5.35	107	68.0-126	
Chlorobenzene	5.00	5.36	107	80.0-121	
Chlorodibromomethane	5.00	5.22	104	77.0-125	
Chloroethane	5.00	4.71	94.2	47.0-150	
Chloroform	5.00	4.73	94.6	73.0-120	
Chloromethane	5.00	4.81	96.2	41.0-142	
2-Chlorotoluene	5.00	5.29	106	76.0-123	
4-Chlorotoluene	5.00	5.32	106	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.06	81.2	58.0-134	
1,2-Dibromoethane	5.00	5.23	105	80.0-122	
Dibromomethane	5.00	4.96	99.2	80.0-120	
1,2-Dichlorobenzene	5.00	5.18	104	79.0-121	
1,3-Dichlorobenzene	5.00	5.39	108	79.0-120	
1,4-Dichlorobenzene	5.00	5.34	107	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	3.93	78.6	33.0-144	
Dichlorodifluoromethane	5.00	4.07	81.4	51.0-149	
1,1-Dichloroethane	5.00	4.90	98.0	70.0-126	
1,2-Dichloroethane	5.00	4.91	98.2	70.0-128	
1,1-Dichloroethene	5.00	5.19	104	71.0-124	
cis-1,2-Dichloroethene	5.00	4.76	95.2	73.0-120	
trans-1,2-Dichloroethene	5.00	5.08	102	73.0-120	
1,2-Dichloropropane	5.00	5.29	106	77.0-125	
1,1-Dichloropropene	5.00	5.21	104	74.0-126	
1,3-Dichloropropane	5.00	5.30	106	80.0-120	
cis-1,3-Dichloropropene	5.00	4.98	99.6	80.0-123	
trans-1,3-Dichloropropene	5.00	4.96	99.2	78.0-124	
2,2-Dichloropropane	5.00	5.01	100	58.0-130	
Di-isopropyl ether	5.00	4.97	99.4	58.0-138	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3537159-1 06/07/20 22:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Ethylbenzene	5.00	5.46	109	79.0-123	
Hexachloro-1,3-butadiene	5.00	3.72	74.4	54.0-138	
2-Hexanone	25.0	24.5	98.0	67.0-149	
n-Hexane	5.00	4.94	98.8	57.0-133	
Iodomethane	25.0	25.4	102	33.0-147	
Isopropylbenzene	5.00	5.37	107	76.0-127	
p-Isopropyltoluene	5.00	5.49	110	76.0-125	
2-Butanone (MEK)	25.0	21.5	86.0	44.0-160	
Methylene Chloride	5.00	5.00	100	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	24.4	97.6	68.0-142	
Methyl tert-butyl ether	5.00	4.81	96.2	68.0-125	
Naphthalene	5.00	4.32	86.4	54.0-135	
n-Propylbenzene	5.00	5.45	109	77.0-124	
Styrene	5.00	5.21	104	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.18	104	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.99	99.8	65.0-130	
Tetrachloroethene	5.00	5.68	114	72.0-132	
Toluene	5.00	5.18	104	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	5.15	103	69.0-132	
1,2,3-Trichlorobenzene	5.00	3.94	78.8	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.11	82.2	57.0-137	
1,1,1-Trichloroethane	5.00	5.32	106	73.0-124	
1,1,2-Trichloroethane	5.00	5.23	105	80.0-120	
Trichloroethene	5.00	5.28	106	78.0-124	
Trichlorofluoromethane	5.00	4.96	99.2	59.0-147	
1,2,3-Trichloropropane	5.00	5.01	100	73.0-130	
1,2,3-Trimethylbenzene	5.00	5.04	101	77.0-120	
1,2,4-Trimethylbenzene	5.00	5.19	104	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.34	107	76.0-122	
Vinyl acetate	25.0	26.8	107	11.0-160	
Vinyl chloride	5.00	4.74	94.8	67.0-131	
Xylenes, Total	15.0	15.8	105	79.0-123	
tert-Amyl Methyl Ether	5.00	4.72	94.4	66.0-125	
Ethyl tert-butyl ether	5.00	4.96	99.2	63.0-138	
tert-Butyl alcohol	25.0	16.2	64.8	27.0-160	
(S) Toluene-d8			104	80.0-120	
(S) 4-Bromofluorobenzene			98.1	77.0-126	
(S) 1,2-Dichloroethane-d4			99.8	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3537428-3 06/11/20 03:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethanol	U		42.0	100
(S) Toluene-d8	112			80.0-120
(S) 4-Bromofluorobenzene	114			77.0-126
(S) 1,2-Dichloroethane-d4	90.6			70.0-130

Laboratory Control Sample (LCS)

(LCS) R3537428-1 06/11/20 02:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
ethanol	250	338	135	10.0-160	
(S) Toluene-d8			111	80.0-120	
(S) 4-Bromofluorobenzene			116	77.0-126	
(S) 1,2-Dichloroethane-d4			92.3	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3536504-1 06/08/20 23:18

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Ethylene Dibromide	U		0.00536	0.0200

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3536504-3 06/08/20 23:53

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	ug/l			%		%
Ethylene Dibromide	U		1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3536504-4 06/09/20 02:00 • (LCSD) R3536504-5 06/09/20 04:18

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
Ethylene Dibromide	0.250	0.226	0.222	90.4	88.8	60.0-140			1.79	20

Original Sample (OS) • Matrix Spike (MS)

(OS) • (MS) R3536504-2 06/08/20 23:30

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l		ug/l	%		%	
Ethylene Dibromide	0.100		0.101	101	1	64.0-159	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3536379-3 06/08/20 22:45

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
(S) Nitrobenzene-d5	74.5			31.0-160
(S) 2-Fluorobiphenyl	85.5			48.0-148
(S) p-Terphenyl-d14	95.5			37.0-146

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3536379-1 06/08/20 22:05 • (LCSD) R3536379-2 06/08/20 22:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	1.93	2.02	96.5	101	61.0-140			4.56	20
Benzo(a)pyrene	2.00	1.70	1.76	85.0	88.0	60.0-143			3.47	20
Benzo(b)fluoranthene	2.00	1.59	1.67	79.5	83.5	58.0-141			4.91	20
Benzo(k)fluoranthene	2.00	1.66	1.74	83.0	87.0	58.0-148			4.71	20
Chrysene	2.00	1.88	1.97	94.0	98.5	64.0-144			4.68	20
Dibenz(a,h)anthracene	2.00	1.86	1.93	93.0	96.5	52.0-155			3.69	20
Indeno(1,2,3-cd)pyrene	2.00	1.88	1.97	94.0	98.5	54.0-153			4.68	20
Naphthalene	2.00	1.60	1.67	80.0	83.5	61.0-137			4.28	20
1-Methylnaphthalene	2.00	1.68	1.74	84.0	87.0	66.0-142			3.51	20
2-Methylnaphthalene	2.00	1.61	1.67	80.5	83.5	62.0-136			3.66	20
(S) Nitrobenzene-d5				74.5	77.5	31.0-160				
(S) 2-Fluorobiphenyl				82.5	89.0	48.0-148				
(S) p-Terphenyl-d14				90.5	96.0	37.0-146				



Method Blank (MB)

(MB) R3536413-3 06/09/20 03:44

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
(S) Nitrobenzene-d5	96.5			31.0-160
(S) 2-Fluorobiphenyl	89.0			48.0-148
(S) p-Terphenyl-d14	91.0			37.0-146

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3536413-1 06/09/20 03:08 • (LCSD) R3536413-2 06/09/20 03:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	1.85	1.77	92.5	88.5	61.0-140			4.42	20
Benzo(a)pyrene	2.00	1.74	1.68	87.0	84.0	60.0-143			3.51	20
Benzo(b)fluoranthene	2.00	1.88	1.79	94.0	89.5	58.0-141			4.90	20
Benzo(k)fluoranthene	2.00	1.77	1.71	88.5	85.5	58.0-148			3.45	20
Chrysene	2.00	1.89	1.83	94.5	91.5	64.0-144			3.23	20
Dibenz(a,h)anthracene	2.00	1.92	1.92	96.0	96.0	52.0-155			0.000	20
Indeno(1,2,3-cd)pyrene	2.00	1.92	1.87	96.0	93.5	54.0-153			2.64	20
Naphthalene	2.00	1.61	1.58	80.5	79.0	61.0-137			1.88	20
1-Methylnaphthalene	2.00	1.65	1.62	82.5	81.0	66.0-142			1.83	20
2-Methylnaphthalene	2.00	1.56	1.53	78.0	76.5	62.0-136			1.94	20
(S) Nitrobenzene-d5				92.5	91.5	31.0-160				
(S) 2-Fluorobiphenyl				82.5	82.0	48.0-148				
(S) p-Terphenyl-d14				84.0	79.5	37.0-146				



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration method criteria.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

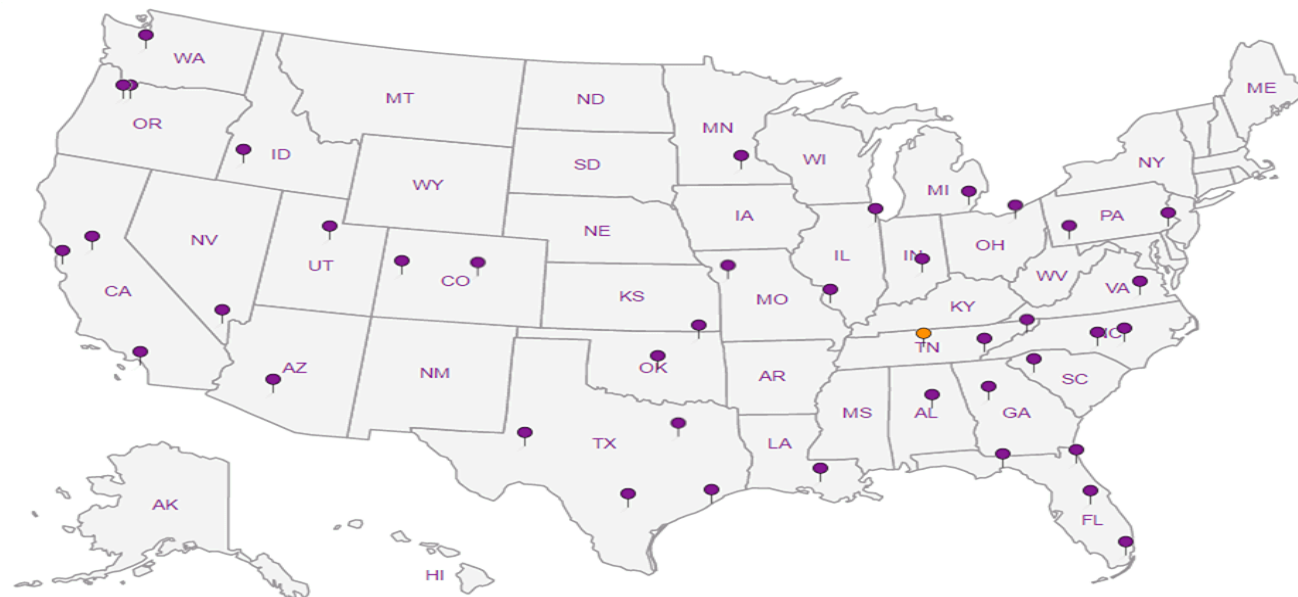
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ARCADIS US - Seattle, WA

1100 Olive Way
Suite 800
Seattle WA 98101

Report to:
Ross LaGrandeur

Project Description:
WA-11060

Phone: 509-438-9828

Client Project #
30014464

Lab Project #
ARCABPWA-WA11060

Collected by (print):
Trevor Bryant

Site/Facility ID #
4580 FAUNTLEROY WAY SW,

P.O. #
30014464

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)
☐ Same Day ☐ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Quote #

Date Results Needed

standard TAT

Immediately
Packed on Ice N ☐ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-1	G	GW	-	6/3/20	0845	13
MW-2		GW	-	6/3/20	0915	1
MW-6		GW	-	6/2/20	1355	1
MW-9		GW	-		1315	1
MW-N		GW	-		1105	1
MW-12		GW	-		1145	1
GUM-1		GW	-		1230	1
DUP-1	↓	GW	-	-	-	1
Trip Blank	-	GW	-	-	-	1

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking # 1676 2753 8724 / 17499472351

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes ☐ No ☒

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 20.1 °C Bottles Received: 104

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 6-4-20 Time: 0845

If preservation required by Login: Date/Time

Condition: NCF / OK

Billing Information:

Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # 1226536
J243

Acctnum: ARCABPWA

Template: T165817

Prelogin: P766834

PM: 110 - Brian Ford

PB:

Shipped Via:

Remarks Sample # (lab only)

Diss -01
Lead -02
on -03
HOLD -04
-05
-06
-07
-08

Sample Receipt Checklist

COC Seal Present/Intact: ☒ NP ☐
 COC Signed/Accurate: ☒ ☐
 Bottles arrive intact: ☒ ☐
 Correct bottles used: ☒ ☐
 Sufficient volume sent: ☒ ☐
 If Applicable
 VOA Zero Headspace: ☒ ☐
 Preservation Correct/Checked: ☒ ☐
 RAD Screen <0.5 mR/hr: ☒ ☐

ARCADIS US - Seattle, WA

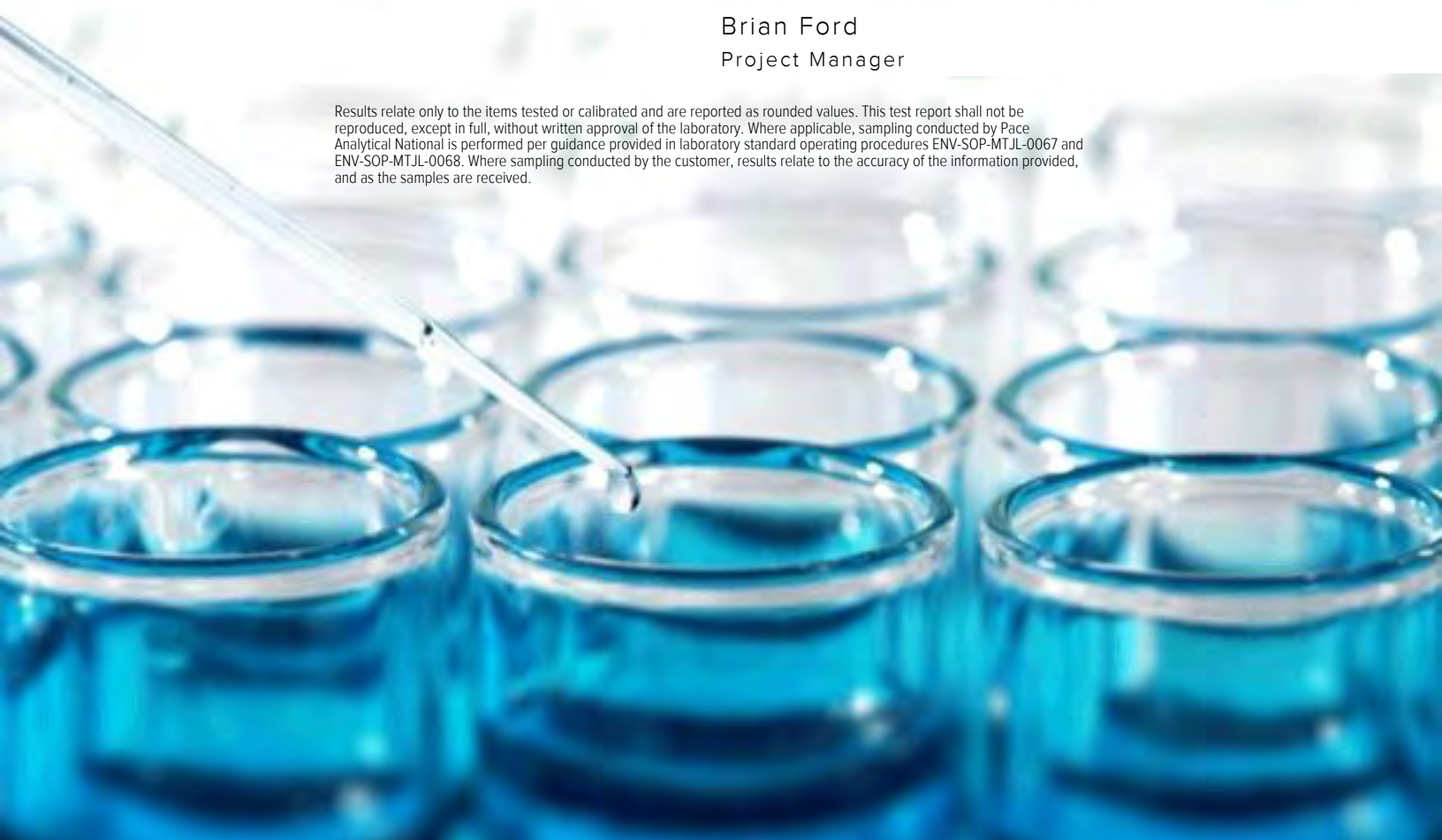
Sample Delivery Group: L1249515
Samples Received: 08/12/2020
Project Number: 30014464 N0000.ANA
Description: WA-11060
Site: 4580 FAUNTLEROY WAY SW, SEATTL
Report To: Ross LaGrandeur
1100 Olive Way
Suite 800
Seattle, WA 98101

Entire Report Reviewed By:

Brian Ford

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-1 L1249515-01 GW

				Collected by Trevor Bryant	Collected date/time 08/06/20 14:55	Received date/time 08/12/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1527094	1	08/17/20 16:48	08/18/20 00:57	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1525435	1	08/14/20 03:45	08/14/20 03:45	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1525316	1	08/13/20 11:47	08/13/20 11:47	ADM	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1525525	1	08/14/20 08:49	08/15/20 02:57	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1524970	1	08/12/20 22:05	08/21/20 17:19	JDG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	1	08/13/20 09:37	08/14/20 01:48	AO	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

MW-2 L1249515-02 GW

				Collected by Trevor Bryant	Collected date/time 08/07/20 09:10	Received date/time 08/12/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1527094	1	08/17/20 16:48	08/18/20 01:00	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1525435	1	08/14/20 04:08	08/14/20 04:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1525316	1	08/13/20 12:07	08/13/20 12:07	ADM	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1525525	1	08/14/20 08:49	08/15/20 03:09	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1525484	1	08/13/20 18:01	08/15/20 00:27	KME	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	1	08/13/20 09:37	08/14/20 02:11	AO	Mt. Juliet, TN

MW-3 L1249515-03 GW

				Collected by Trevor Bryant	Collected date/time 08/07/20 09:50	Received date/time 08/12/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1527094	1	08/17/20 16:48	08/18/20 01:03	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1525435	1	08/14/20 04:31	08/14/20 04:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1525316	1	08/13/20 12:28	08/13/20 12:28	ADM	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1525525	1	08/14/20 08:49	08/15/20 03:21	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1525484	1	08/13/20 18:01	08/15/20 00:53	KME	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	1	08/13/20 09:37	08/14/20 02:34	AO	Mt. Juliet, TN

MW-9 L1249515-04 GW

				Collected by Trevor Bryant	Collected date/time 08/07/20 10:30	Received date/time 08/12/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1527094	1	08/17/20 16:48	08/18/20 01:06	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1528164	1	08/19/20 17:29	08/19/20 17:29	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1525316	1	08/13/20 12:48	08/13/20 12:48	ADM	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1525525	1	08/14/20 08:49	08/15/20 02:33	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1525484	1	08/13/20 18:01	08/15/20 01:19	KME	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	1	08/13/20 09:37	08/14/20 02:57	AO	Mt. Juliet, TN

MW-11 L1249515-05 GW

				Collected by Trevor Bryant	Collected date/time 08/06/20 10:50	Received date/time 08/12/20 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1527094	1	08/17/20 16:48	08/18/20 00:46	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1525756	1	08/14/20 12:58	08/14/20 12:58	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1525316	1	08/13/20 13:08	08/13/20 13:08	ADM	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1525525	1	08/14/20 08:49	08/15/20 02:10	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1524970	1	08/12/20 22:05	08/13/20 11:00	KME	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	1	08/13/20 09:37	08/14/20 03:20	AO	Mt. Juliet, TN

ACCOUNT:

ARCADIS US - Seattle, WA

PROJECT:

30014464 N0000.ANA

SDG:

L1249515

DATE/TIME:

08/24/20 17:22

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



MW-12 L1249515-06 GW

Collected by
Trevor Bryant

Collected date/time
08/06/20 11:35

Received date/time
08/12/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1527094	1	08/17/20 16:48	08/18/20 01:14	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1525756	1	08/14/20 13:21	08/14/20 13:21	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1525316	1	08/13/20 13:29	08/13/20 13:29	ADM	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1525525	1	08/14/20 08:49	08/15/20 03:33	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1524970	1	08/12/20 22:05	08/13/20 11:20	KME	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	1	08/13/20 09:37	08/14/20 03:43	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	10	08/13/20 09:37	08/16/20 11:25	DMG	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GMW-1 L1249515-07 GW

Collected by
Trevor Bryant

Collected date/time
08/06/20 14:15

Received date/time
08/12/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1527094	1	08/17/20 16:48	08/18/20 01:17	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1525756	1	08/14/20 13:45	08/14/20 13:45	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1525316	1	08/13/20 13:49	08/13/20 13:49	ADM	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1525525	1	08/14/20 08:49	08/15/20 03:45	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1524970	1	08/12/20 22:05	08/13/20 11:40	KME	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	1	08/13/20 09:37	08/14/20 04:07	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	10	08/13/20 09:37	08/16/20 10:45	DMG	Mt. Juliet, TN

DUP-1 L1249515-08 GW

Collected by
Trevor Bryant

Collected date/time
08/06/20 00:00

Received date/time
08/12/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1527094	1	08/17/20 16:48	08/18/20 01:20	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1525756	1	08/14/20 14:08	08/14/20 14:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1525316	1	08/13/20 14:09	08/13/20 14:09	ADM	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1525525	1	08/14/20 08:49	08/15/20 03:57	LEL	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1524970	1	08/12/20 22:05	08/13/20 12:00	KME	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	1	08/13/20 09:37	08/14/20 04:30	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1524972	10	08/13/20 09:37	08/16/20 11:05	DMG	Mt. Juliet, TN

ACCOUNT:

ARCADIS US - Seattle, WA

PROJECT:

30014464 N0000.ANA

SDG:

L1249515

DATE/TIME:

08/24/20 17:22

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	08/18/2020 00:57	WG1527094

1
Cp2
Tc3
Ss4
Cn5
Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	186	<u>B</u>	31.6	100	1	08/14/2020 03:45	WG1525435
(S) a,a,a-Trifluorotoluene(FID)	104			78.0-120		08/14/2020 03:45	WG1525435

6
Qc7
Gl8
Al9
Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.133	<u>J</u>	0.0941	1.00	1	08/13/2020 11:47	WG1525316
Toluene	U		0.278	1.00	1	08/13/2020 11:47	WG1525316
Ethylbenzene	U		0.137	1.00	1	08/13/2020 11:47	WG1525316
Total Xylenes	U		0.174	3.00	1	08/13/2020 11:47	WG1525316
Methyl tert-butyl ether	U		0.101	1.00	1	08/13/2020 11:47	WG1525316
1,2-Dichloroethane	U		0.0819	1.00	1	08/13/2020 11:47	WG1525316
(S) Toluene-d8	102			80.0-120		08/13/2020 11:47	WG1525316
(S) 4-Bromofluorobenzene	107			77.0-126		08/13/2020 11:47	WG1525316
(S) 1,2-Dichloroethane-d4	92.9			70.0-130		08/13/2020 11:47	WG1525316

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	08/15/2020 02:57	WG1525525

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	261		66.7	200	1	08/21/2020 17:19	WG1524970
Residual Range Organics (RRO)	101	<u>J</u>	83.3	250	1	08/21/2020 17:19	WG1524970
(S) o-Terphenyl	80.0			52.0-156		08/21/2020 17:19	WG1524970

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	08/14/2020 01:48	WG1524972
Benzo(a)pyrene	U		0.0184	0.0500	1	08/14/2020 01:48	WG1524972
Benzo(b)fluoranthene	U		0.0168	0.0500	1	08/14/2020 01:48	WG1524972
Benzo(k)fluoranthene	U		0.0202	0.0500	1	08/14/2020 01:48	WG1524972
Chrysene	U		0.0179	0.0500	1	08/14/2020 01:48	WG1524972
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	08/14/2020 01:48	WG1524972
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	08/14/2020 01:48	WG1524972
Naphthalene	0.0925	<u>J</u>	0.0917	0.250	1	08/14/2020 01:48	WG1524972
1-Methylnaphthalene	U		0.0687	0.250	1	08/14/2020 01:48	WG1524972
2-Methylnaphthalene	U		0.0674	0.250	1	08/14/2020 01:48	WG1524972
(S) Nitrobenzene-d5	104			31.0-160		08/14/2020 01:48	WG1524972
(S) 2-Fluorobiphenyl	112			48.0-148		08/14/2020 01:48	WG1524972
(S) p-Terphenyl-d14	113			37.0-146		08/14/2020 01:48	WG1524972



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	08/18/2020 01:00	WG1527094

1
Cp2
Tc3
Ss4
Cn5
Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	377	<u>B</u>	31.6	100	1	08/14/2020 04:08	WG1525435
(S) a,a,a-Trifluorotoluene(FID)	113			78.0-120		08/14/2020 04:08	WG1525435

6
Qc7
Gl8
Al9
Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.910	<u>J</u>	0.0941	1.00	1	08/13/2020 12:07	WG1525316
Toluene	0.349	<u>J</u>	0.278	1.00	1	08/13/2020 12:07	WG1525316
Ethylbenzene	0.452	<u>J</u>	0.137	1.00	1	08/13/2020 12:07	WG1525316
Total Xylenes	1.36	<u>J</u>	0.174	3.00	1	08/13/2020 12:07	WG1525316
Methyl tert-butyl ether	U		0.101	1.00	1	08/13/2020 12:07	WG1525316
1,2-Dichloroethane	U		0.0819	1.00	1	08/13/2020 12:07	WG1525316
(S) Toluene-d8	104			80.0-120		08/13/2020 12:07	WG1525316
(S) 4-Bromofluorobenzene	111			77.0-126		08/13/2020 12:07	WG1525316
(S) 1,2-Dichloroethane-d4	92.8			70.0-130		08/13/2020 12:07	WG1525316

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	08/15/2020 03:09	WG1525525

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	4300		66.7	200	1	08/15/2020 00:27	WG1525484
Residual Range Organics (RRO)	431		83.3	250	1	08/15/2020 00:27	WG1525484
(S) o-Terphenyl	92.6			52.0-156		08/15/2020 00:27	WG1525484

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	08/14/2020 02:11	WG1524972
Benzo(a)pyrene	U		0.0184	0.0500	1	08/14/2020 02:11	WG1524972
Benzo(b)fluoranthene	U		0.0168	0.0500	1	08/14/2020 02:11	WG1524972
Benzo(k)fluoranthene	U		0.0202	0.0500	1	08/14/2020 02:11	WG1524972
Chrysene	U		0.0179	0.0500	1	08/14/2020 02:11	WG1524972
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	08/14/2020 02:11	WG1524972
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	08/14/2020 02:11	WG1524972
Naphthalene	0.171	<u>J</u>	0.0917	0.250	1	08/14/2020 02:11	WG1524972
1-Methylnaphthalene	U		0.0687	0.250	1	08/14/2020 02:11	WG1524972
2-Methylnaphthalene	U		0.0674	0.250	1	08/14/2020 02:11	WG1524972
(S) Nitrobenzene-d5	138			31.0-160		08/14/2020 02:11	WG1524972
(S) 2-Fluorobiphenyl	107			48.0-148		08/14/2020 02:11	WG1524972
(S) p-Terphenyl-d14	120			37.0-146		08/14/2020 02:11	WG1524972



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	08/18/2020 01:03	WG1527094

1
Cp2
Tc3
Ss4
Cn5
Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	66.5	<u>B</u> <u>J</u>	31.6	100	1	08/14/2020 04:31	WG1525435
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	112			78.0-120		08/14/2020 04:31	WG1525435

6
Qc7
Gl8
Al9
Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	08/13/2020 12:28	WG1525316
Toluene	U		0.278	1.00	1	08/13/2020 12:28	WG1525316
Ethylbenzene	U		0.137	1.00	1	08/13/2020 12:28	WG1525316
Total Xylenes	1.44	<u>J</u>	0.174	3.00	1	08/13/2020 12:28	WG1525316
Methyl tert-butyl ether	U		0.101	1.00	1	08/13/2020 12:28	WG1525316
1,2-Dichloroethane	U		0.0819	1.00	1	08/13/2020 12:28	WG1525316
(S) <i>Toluene-d8</i>	104			80.0-120		08/13/2020 12:28	WG1525316
(S) <i>4-Bromofluorobenzene</i>	106			77.0-126		08/13/2020 12:28	WG1525316
(S) <i>1,2-Dichloroethane-d4</i>	92.1			70.0-130		08/13/2020 12:28	WG1525316

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	08/15/2020 03:21	WG1525525

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	109	<u>J</u>	66.7	200	1	08/15/2020 00:53	WG1525484
Residual Range Organics (RRO)	101	<u>J</u>	83.3	250	1	08/15/2020 00:53	WG1525484
(S) <i>o</i> -Terphenyl	82.1			52.0-156		08/15/2020 00:53	WG1525484

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	08/14/2020 02:34	WG1524972
Benzo(a)pyrene	U		0.0184	0.0500	1	08/14/2020 02:34	WG1524972
Benzo(b)fluoranthene	U		0.0168	0.0500	1	08/14/2020 02:34	WG1524972
Benzo(k)fluoranthene	U		0.0202	0.0500	1	08/14/2020 02:34	WG1524972
Chrysene	U		0.0179	0.0500	1	08/14/2020 02:34	WG1524972
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	08/14/2020 02:34	WG1524972
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	08/14/2020 02:34	WG1524972
Naphthalene	U		0.0917	0.250	1	08/14/2020 02:34	WG1524972
1-Methylnaphthalene	U		0.0687	0.250	1	08/14/2020 02:34	WG1524972
2-Methylnaphthalene	U		0.0674	0.250	1	08/14/2020 02:34	WG1524972
(S) <i>Nitrobenzene-d5</i>	100			31.0-160		08/14/2020 02:34	WG1524972
(S) <i>2-Fluorobiphenyl</i>	119			48.0-148		08/14/2020 02:34	WG1524972
(S) <i>p</i> -Terphenyl-d14	116			37.0-146		08/14/2020 02:34	WG1524972



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	08/18/2020 01:06	WG1527094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	U		31.6	100	1	08/19/2020 17:29	WG1528164
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	95.8			78.0-120		08/19/2020 17:29	WG1528164

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	08/13/2020 12:48	WG1525316
Toluene	U		0.278	1.00	1	08/13/2020 12:48	WG1525316
Ethylbenzene	U		0.137	1.00	1	08/13/2020 12:48	WG1525316
Total Xylenes	U		0.174	3.00	1	08/13/2020 12:48	WG1525316
Methyl tert-butyl ether	U		0.101	1.00	1	08/13/2020 12:48	WG1525316
1,2-Dichloroethane	U		0.0819	1.00	1	08/13/2020 12:48	WG1525316
(S) Toluene-d8	102			80.0-120		08/13/2020 12:48	WG1525316
(S) 4-Bromofluorobenzene	109			77.0-126		08/13/2020 12:48	WG1525316
(S) 1,2-Dichloroethane-d4	95.1			70.0-130		08/13/2020 12:48	WG1525316

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	08/15/2020 02:33	WG1525525

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	216		66.7	200	1	08/15/2020 01:19	WG1525484
Residual Range Organics (RRO)	110	J	83.3	250	1	08/15/2020 01:19	WG1525484
(S) <i>o</i> -Terphenyl	82.1			52.0-156		08/15/2020 01:19	WG1525484

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	08/14/2020 02:57	WG1524972
Benzo(a)pyrene	U		0.0184	0.0500	1	08/14/2020 02:57	WG1524972
Benzo(b)fluoranthene	U		0.0168	0.0500	1	08/14/2020 02:57	WG1524972
Benzo(k)fluoranthene	U		0.0202	0.0500	1	08/14/2020 02:57	WG1524972
Chrysene	U		0.0179	0.0500	1	08/14/2020 02:57	WG1524972
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	08/14/2020 02:57	WG1524972
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	08/14/2020 02:57	WG1524972
Naphthalene	U		0.0917	0.250	1	08/14/2020 02:57	WG1524972
1-Methylnaphthalene	U		0.0687	0.250	1	08/14/2020 02:57	WG1524972
2-Methylnaphthalene	U		0.0674	0.250	1	08/14/2020 02:57	WG1524972
(S) Nitrobenzene-d5	101			31.0-160		08/14/2020 02:57	WG1524972
(S) 2-Fluorobiphenyl	119			48.0-148		08/14/2020 02:57	WG1524972
(S) <i>p</i> -Terphenyl-d14	120			37.0-146		08/14/2020 02:57	WG1524972



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	08/18/2020 00:46	WG1527094

1
Cp2
Tc3
Ss4
Cn5
Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	85.2	<u>B</u> <u>J</u>	31.6	100	1	08/14/2020 12:58	WG1525756
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	112			78.0-120		08/14/2020 12:58	WG1525756

6
Qc7
Gl8
Al9
Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	U		0.0941	1.00	1	08/13/2020 13:08	WG1525316
Toluene	U		0.278	1.00	1	08/13/2020 13:08	WG1525316
Ethylbenzene	U		0.137	1.00	1	08/13/2020 13:08	WG1525316
Total Xylenes	U		0.174	3.00	1	08/13/2020 13:08	WG1525316
Methyl tert-butyl ether	0.266	<u>J</u>	0.101	1.00	1	08/13/2020 13:08	WG1525316
1,2-Dichloroethane	U		0.0819	1.00	1	08/13/2020 13:08	WG1525316
(S) <i>Toluene-d8</i>	103			80.0-120		08/13/2020 13:08	WG1525316
(S) <i>4-Bromofluorobenzene</i>	108			77.0-126		08/13/2020 13:08	WG1525316
(S) <i>1,2-Dichloroethane-d4</i>	93.3			70.0-130		08/13/2020 13:08	WG1525316

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	08/15/2020 02:10	WG1525525

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	289		66.7	200	1	08/13/2020 11:00	WG1524970
Residual Range Organics (RRO)	317		83.3	250	1	08/13/2020 11:00	WG1524970
(S) <i>o</i> -Terphenyl	85.8			52.0-156		08/13/2020 11:00	WG1524970

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	08/14/2020 03:20	WG1524972
Benzo(a)pyrene	U		0.0184	0.0500	1	08/14/2020 03:20	WG1524972
Benzo(b)fluoranthene	U		0.0168	0.0500	1	08/14/2020 03:20	WG1524972
Benzo(k)fluoranthene	U		0.0202	0.0500	1	08/14/2020 03:20	WG1524972
Chrysene	U		0.0179	0.0500	1	08/14/2020 03:20	WG1524972
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	08/14/2020 03:20	WG1524972
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	08/14/2020 03:20	WG1524972
Naphthalene	0.0917	<u>J</u>	0.0917	0.250	1	08/14/2020 03:20	WG1524972
1-Methylnaphthalene	U		0.0687	0.250	1	08/14/2020 03:20	WG1524972
2-Methylnaphthalene	0.0678	<u>B</u> <u>J</u>	0.0674	0.250	1	08/14/2020 03:20	WG1524972
(S) <i>Nitrobenzene-d5</i>	102			31.0-160		08/14/2020 03:20	WG1524972
(S) <i>2-Fluorobiphenyl</i>	112			48.0-148		08/14/2020 03:20	WG1524972
(S) <i>p</i> -Terphenyl-d14	114			37.0-146		08/14/2020 03:20	WG1524972



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	08/18/2020 01:14	WG1527094

1
Cp2
Tc3
Ss4
Cn5
Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	268	<u>B</u>	31.6	100	1	08/14/2020 13:21	WG1525756
(S) a,a,a-Trifluorotoluene(FID)	107			78.0-120		08/14/2020 13:21	WG1525756

6
Qc7
Gl8
Al9
Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.644	<u>J</u>	0.0941	1.00	1	08/13/2020 13:29	WG1525316
Toluene	U		0.278	1.00	1	08/13/2020 13:29	WG1525316
Ethylbenzene	0.500	<u>J</u>	0.137	1.00	1	08/13/2020 13:29	WG1525316
Total Xylenes	0.448	<u>J</u>	0.174	3.00	1	08/13/2020 13:29	WG1525316
Methyl tert-butyl ether	U		0.101	1.00	1	08/13/2020 13:29	WG1525316
1,2-Dichloroethane	U		0.0819	1.00	1	08/13/2020 13:29	WG1525316
(S) Toluene-d8	101			80.0-120		08/13/2020 13:29	WG1525316
(S) 4-Bromofluorobenzene	108			77.0-126		08/13/2020 13:29	WG1525316
(S) 1,2-Dichloroethane-d4	92.3			70.0-130		08/13/2020 13:29	WG1525316

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	08/15/2020 03:33	WG1525525

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1630		66.7	200	1	08/13/2020 11:20	WG1524970
Residual Range Organics (RRO)	317		83.3	250	1	08/13/2020 11:20	WG1524970
(S) o-Terphenyl	81.1			52.0-156		08/13/2020 11:20	WG1524970

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	08/14/2020 03:43	WG1524972
Benzo(a)pyrene	U		0.0184	0.0500	1	08/14/2020 03:43	WG1524972
Benzo(b)fluoranthene	U		0.0168	0.0500	1	08/14/2020 03:43	WG1524972
Benzo(k)fluoranthene	U		0.0202	0.0500	1	08/14/2020 03:43	WG1524972
Chrysene	U		0.0179	0.0500	1	08/14/2020 03:43	WG1524972
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	08/14/2020 03:43	WG1524972
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	08/14/2020 03:43	WG1524972
Naphthalene	U		0.917	2.50	10	08/16/2020 11:25	WG1524972
1-Methylnaphthalene	U		0.687	2.50	10	08/16/2020 11:25	WG1524972
2-Methylnaphthalene	U		0.674	2.50	10	08/16/2020 11:25	WG1524972
(S) Nitrobenzene-d5	80.5			31.0-160		08/16/2020 11:25	WG1524972
(S) Nitrobenzene-d5	93.7			31.0-160		08/14/2020 03:43	WG1524972
(S) 2-Fluorobiphenyl	92.6			48.0-148		08/14/2020 03:43	WG1524972
(S) 2-Fluorobiphenyl	99.5			48.0-148		08/16/2020 11:25	WG1524972
(S) p-Terphenyl-d14	106			37.0-146		08/16/2020 11:25	WG1524972
(S) p-Terphenyl-d14	117			37.0-146		08/14/2020 03:43	WG1524972



Collected date/time: 08/06/20 11:35

L1249515

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	

Sample Narrative:

L1249515-06 WG1524972: Dilution due to non-target matrix interference.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	3.04	J	2.95	6.00	1	08/18/2020 01:17	WG1527094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1400		31.6	100	1	08/14/2020 13:45	WG1525756
(S) a,a,a-Trifluorotoluene(FID)	101			78.0-120		08/14/2020 13:45	WG1525756

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.242	J	0.0941	1.00	1	08/13/2020 13:49	WG1525316
Toluene	1.98		0.278	1.00	1	08/13/2020 13:49	WG1525316
Ethylbenzene	4.55		0.137	1.00	1	08/13/2020 13:49	WG1525316
Total Xylenes	4.15		0.174	3.00	1	08/13/2020 13:49	WG1525316
Methyl tert-butyl ether	U		0.101	1.00	1	08/13/2020 13:49	WG1525316
1,2-Dichloroethane	U		0.0819	1.00	1	08/13/2020 13:49	WG1525316
(S) Toluene-d8	105			80.0-120		08/13/2020 13:49	WG1525316
(S) 4-Bromofluorobenzene	109			77.0-126		08/13/2020 13:49	WG1525316
(S) 1,2-Dichloroethane-d4	91.3			70.0-130		08/13/2020 13:49	WG1525316

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	08/15/2020 03:45	WG1525525

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	751		66.7	200	1	08/13/2020 11:40	WG1524970
Residual Range Organics (RRO)	U		83.3	250	1	08/13/2020 11:40	WG1524970
(S) o-Terphenyl	76.3			52.0-156		08/13/2020 11:40	WG1524970

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	08/14/2020 04:07	WG1524972
Benzo(a)pyrene	U		0.0184	0.0500	1	08/14/2020 04:07	WG1524972
Benzo(b)fluoranthene	U		0.0168	0.0500	1	08/14/2020 04:07	WG1524972
Benzo(k)fluoranthene	U		0.0202	0.0500	1	08/14/2020 04:07	WG1524972
Chrysene	U		0.0179	0.0500	1	08/14/2020 04:07	WG1524972
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	08/14/2020 04:07	WG1524972
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	08/14/2020 04:07	WG1524972
Naphthalene	U		0.917	2.50	10	08/16/2020 10:45	WG1524972
1-Methylnaphthalene	U		0.687	2.50	10	08/16/2020 10:45	WG1524972
2-Methylnaphthalene	U		0.674	2.50	10	08/16/2020 10:45	WG1524972
(S) Nitrobenzene-d5	98.4			31.0-160		08/14/2020 04:07	WG1524972
(S) Nitrobenzene-d5	107			31.0-160		08/16/2020 10:45	WG1524972
(S) 2-Fluorobiphenyl	91.1			48.0-148		08/14/2020 04:07	WG1524972
(S) 2-Fluorobiphenyl	115			48.0-148		08/16/2020 10:45	WG1524972
(S) p-Terphenyl-d14	119			37.0-146		08/14/2020 04:07	WG1524972
(S) p-Terphenyl-d14	123			37.0-146		08/16/2020 10:45	WG1524972



Collected date/time: 08/06/20 14:15

L1249515

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	

Sample Narrative:

L1249515-07 WG1524972: Dilution due to non-target matrix interference.

- 1Cp
- 2Tc
- 3Ss
- 4Cn
- 5Sr
- 6Qc
- 7Gl
- 8Al
- 9Sc



Metals (ICP) by Method 6010D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead	U		2.95	6.00	1	08/18/2020 01:20	WG1527094

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	273	<u>B</u>	31.6	100	1	08/14/2020 14:08	WG1525756
(S) a,a,a-Trifluorotoluene(FID)	108			78.0-120		08/14/2020 14:08	WG1525756

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	0.599	<u>J</u>	0.0941	1.00	1	08/13/2020 14:09	WG1525316
Toluene	U		0.278	1.00	1	08/13/2020 14:09	WG1525316
Ethylbenzene	0.566	<u>J</u>	0.137	1.00	1	08/13/2020 14:09	WG1525316
Total Xylenes	0.461	<u>J</u>	0.174	3.00	1	08/13/2020 14:09	WG1525316
Methyl tert-butyl ether	U		0.101	1.00	1	08/13/2020 14:09	WG1525316
1,2-Dichloroethane	U		0.0819	1.00	1	08/13/2020 14:09	WG1525316
(S) Toluene-d8	104			80.0-120		08/13/2020 14:09	WG1525316
(S) 4-Bromofluorobenzene	109			77.0-126		08/13/2020 14:09	WG1525316
(S) 1,2-Dichloroethane-d4	92.4			70.0-130		08/13/2020 14:09	WG1525316

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	U		0.00536	0.0200	1	08/15/2020 03:57	WG1525525

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1580		66.7	200	1	08/13/2020 12:00	WG1524970
Residual Range Organics (RRO)	299		83.3	250	1	08/13/2020 12:00	WG1524970
(S) o-Terphenyl	91.6			52.0-156		08/13/2020 12:00	WG1524970

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.0203	0.0500	1	08/14/2020 04:30	WG1524972
Benzo(a)pyrene	U		0.0184	0.0500	1	08/14/2020 04:30	WG1524972
Benzo(b)fluoranthene	U		0.0168	0.0500	1	08/14/2020 04:30	WG1524972
Benzo(k)fluoranthene	U		0.0202	0.0500	1	08/14/2020 04:30	WG1524972
Chrysene	U		0.0179	0.0500	1	08/14/2020 04:30	WG1524972
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	08/14/2020 04:30	WG1524972
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	08/14/2020 04:30	WG1524972
Naphthalene	U		0.917	2.50	10	08/16/2020 11:05	WG1524972
1-Methylnaphthalene	U		0.687	2.50	10	08/16/2020 11:05	WG1524972
2-Methylnaphthalene	U		0.674	2.50	10	08/16/2020 11:05	WG1524972
(S) Nitrobenzene-d5	77.9			31.0-160		08/16/2020 11:05	WG1524972
(S) Nitrobenzene-d5	101			31.0-160		08/14/2020 04:30	WG1524972
(S) 2-Fluorobiphenyl	93.2			48.0-148		08/14/2020 04:30	WG1524972
(S) 2-Fluorobiphenyl	97.9			48.0-148		08/16/2020 11:05	WG1524972
(S) p-Terphenyl-d14	108			37.0-146		08/16/2020 11:05	WG1524972
(S) p-Terphenyl-d14	117			37.0-146		08/14/2020 04:30	WG1524972

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	

Sample Narrative:

L1249515-08 WG1524972: Dilution due to non-target matrix interference.

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Method Blank (MB)

(MB) R3560984-1 08/18/20 00:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead	U		2.95	6.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3560984-2 08/18/20 00:43

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	1000	960	96.0	80.0-120	

L1249515-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1249515-05 08/18/20 00:46 • (MS) R3560984-4 08/18/20 00:51 • (MSD) R3560984-5 08/18/20 00:54

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	1000	U	959	981	95.9	98.1	1	75.0-125			2.26	20

Method Blank (MB)

(MB) R3561190-2 08/13/20 20:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	58.4	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	112			78.0-120

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3561190-1 08/13/20 20:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	4960	90.2	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			98.6	78.0-120	

Method Blank (MB)

(MB) R3560552-2 08/14/20 11:18

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	80.9	J	31.6	100
(S) a,a,a-Trifluorotoluene(FID)	113			78.0-120

1	Cp
2	Tc
3	Ss
4	Cn
5	Sr
6	Qc
7	Gl
8	Al
9	Sc

Laboratory Control Sample (LCS)

(LCS) R3560552-1 08/14/20 10:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Gasoline Range Organics-NWTPH	5500	5450	99.1	70.0-124	
(S) a,a,a-Trifluorotoluene(FID)			97.4	78.0-120	



Method Blank (MB)

(MB) R3561640-3 08/19/20 16:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Gasoline Range Organics-NWTPH	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	95.7			78.0-120

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3561640-1 08/19/20 12:22 • (LCSD) R3561640-2 08/19/20 13:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	5500	4720	4850	85.8	88.2	70.0-124			2.72	20
(S) a,a,a-Trifluorotoluene(FID)				102	102	78.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3561083-2 08/13/20 10:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzene	U		0.0941	1.00
1,2-Dichloroethane	U		0.0819	1.00
Ethylbenzene	U		0.137	1.00
Methyl tert-butyl ether	U		0.101	1.00
Toluene	U		0.278	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	104			80.0-120
(S) 4-Bromofluorobenzene	108			77.0-126
(S) 1,2-Dichloroethane-d4	91.8			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3561083-1 08/13/20 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	5.00	4.09	81.8	70.0-123	
1,2-Dichloroethane	5.00	4.22	84.4	70.0-128	
Ethylbenzene	5.00	4.48	89.6	79.0-123	
Methyl tert-butyl ether	5.00	4.22	84.4	68.0-125	
Toluene	5.00	4.34	86.8	79.0-120	
Xylenes, Total	15.0	13.1	87.3	79.0-123	
(S) Toluene-d8			101	80.0-120	
(S) 4-Bromofluorobenzene			109	77.0-126	
(S) 1,2-Dichloroethane-d4			94.3	70.0-130	

Method Blank (MB)

(MB) R3560425-1 08/15/20 01:46

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Ethylene Dibromide	U		0.00536	0.0200

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

L1249515-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1249515-04 08/15/20 02:33 • (DUP) R3560425-3 08/15/20 02:22

	Original Result	DUP Result	Dilution	DUP RPD	DUP RPD Limits
Analyte	ug/l	ug/l		%	%
Ethylene Dibromide	U	U	1	0.000	20

Laboratory Control Sample (LCS)

(LCS) R3560425-4 08/15/20 04:33

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ethylene Dibromide	0.250	0.238	95.2	60.0-140	

Laboratory Control Sample (LCS)

(LCS) R3560425-5 08/15/20 06:57

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Ethylene Dibromide	0.250	0.252	101	60.0-140	

L1249515-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1249515-05 08/15/20 02:10 • (MS) R3560425-2 08/15/20 01:58

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	ug/l	ug/l	ug/l	%		%	
Ethylene Dibromide	0.100	U	0.114	114	1	64.0-159	



Method Blank (MB)

(MB) R3559593-1 08/13/20 08:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	82.0			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3559593-2 08/13/20 08:57 • (LCSD) R3559593-3 08/13/20 09:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1360	1330	90.7	88.7	50.0-150			2.23	20
(S) o-Terphenyl				90.0	90.5	52.0-156				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3559797-1 08/14/20 04:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		66.7	200
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	96.0			52.0-156

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3559797-2 08/14/20 05:20 • (LCSD) R3559797-3 08/14/20 05:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	1500	1300	1140	86.7	76.0	50.0-150			13.1	20
(S) o-Terphenyl				113	106	52.0-156				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

L1249515-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R3559907-3 08/13/20 21:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	0.0707	J	0.0674	0.250
(S) Nitrobenzene-d5	105			31.0-160
(S) 2-Fluorobiphenyl	116			48.0-148
(S) p-Terphenyl-d14	119			37.0-146

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3559907-1 08/13/20 20:23 • (LCSD) R3559907-2 08/13/20 20:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(a)anthracene	2.00	2.38	2.46	119	123	61.0-140			3.31	20
Benzo(a)pyrene	2.00	2.39	2.47	119	123	60.0-143			3.29	20
Benzo(b)fluoranthene	2.00	2.14	2.21	107	111	58.0-141			3.22	20
Benzo(k)fluoranthene	2.00	2.59	2.68	129	134	58.0-148			3.42	20
Chrysene	2.00	2.34	2.43	117	122	64.0-144			3.77	20
Dibenz(a,h)anthracene	2.00	2.16	2.22	108	111	52.0-155			2.74	20
Indeno(1,2,3-cd)pyrene	2.00	2.22	2.29	111	114	54.0-153			3.10	20
Naphthalene	2.00	2.09	2.14	105	107	61.0-137			2.36	20
1-Methylnaphthalene	2.00	2.19	2.24	109	112	66.0-142			2.26	20
2-Methylnaphthalene	2.00	2.12	2.16	106	108	62.0-136			1.87	20
(S) Nitrobenzene-d5				106	108	31.0-160				
(S) 2-Fluorobiphenyl				113	118	48.0-148				
(S) p-Terphenyl-d14				113	118	37.0-146				



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

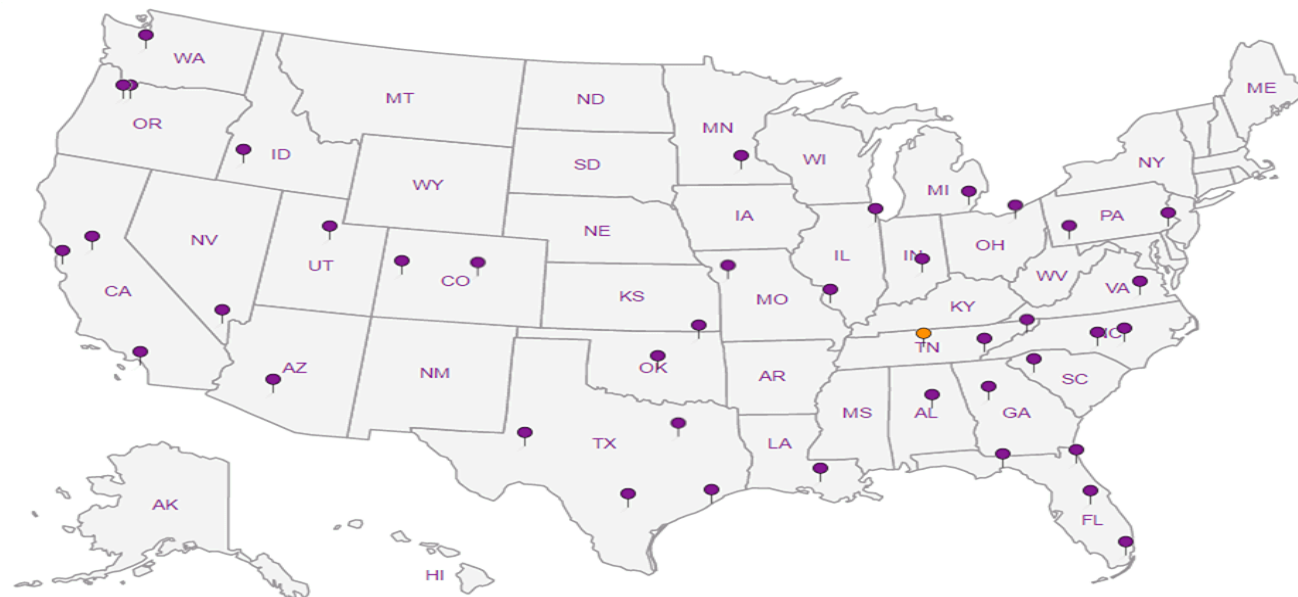
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ARCADIS US - Seattle, WA

1100 Olive Way
Suite 800
Seattle WA 98101

Report to:
Ross LaGrandeur

Project Description:
WA-11060

Phone: 509-438-9828

Collected by (print):
Trevor Bryant

Collected by (signature):
[Signature]
Immediately Packed on Ice N ☐ Y ☒

Billing Information:
Attn: Accounts Payable
630 Plaza Dr., Ste. 600
Highlands Ranch, CO 80129

Pres
Chk

Email To:
Ross.LaGrandeur@arcadis.com; Ryan.Brauchla@

City/State Collected: Seattle, WA Please Circle:
☒ PT ☐ MT ☐ CT ☐ ET

Client Project # 30014464 N0000.ANA Lab Project # ARCABPWA-WA11060

Site/Facility ID # 4580 FAUNTLEROY WAY SW, P.O. #

Quote #
Rush? (Lab MUST Be Notified)
☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day
Date Results Needed standard TAT

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-1	G	GW	—	8/6/20	1455	15
MW-2		GW	—	8/7/20	0910	1
MW-3		GW	—	8/7/20	0950	1
MW-9		GW	—	8/7/20	1030	1
MW-11		GW	—	8/6/20	1050	1
MW-12		GW	—	8/6/20	1135	1
SAWT GMW-1		GW	—	8/6/20	1415	1
DUP-1	↓	GW	—	8/6/20	—	↓
		GW				
		GW				

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking #

9050 0887 6379

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Analysis / Container / Preservative

BTEXM/EDC 8260D 40mlAmb-HCl
EDB 8011 40mlClr-NaThio
HOLD - Diss Pb 6010 250mlHDPE-NoPres
NWTPHDX LVINOSGT 40mlAmb-HCl-BT
NWTPHGX 40mlAmb HCl
PAHs 8270E-SIM 40mlAmb-NoPres-WT
Total Pb 6010 250mlHDPE-HNO3

pH _____ Temp _____
Flow _____ Other _____

Trip Blank Received: Yes/No
HCL/MeOH
TBR

Temp: 46 °C Bottles Received: 105
4.6+0.4.6 105

Date: 8-12-20 Time: 0845

Chain of Custody Page ____ of ____



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # J122

Acctnum: ARCABPWA

Template: T171982

Prelogin: P789410

PM: 110 - Brian Ford

PB:

Shipped Via:

Remarks Sample # (lab only)

Diss	01
Lead	02
on	03
HOLD	04
	05
	06
	07
	08

Sample Receipt Checklist

COC Seal Present/Intact: NP ☒ Y ☐ N
COC Signed/Accurate: ☒ Y ☐ N
Bottles arrive intact: ☒ Y ☐ N
Correct bottles used: ☒ Y ☐ N
Sufficient volume sent: ☒ Y ☐ N
If Applicable
VOA Zero Headspace: ☒ Y ☐ N
Preservation Correct/Checked: ☒ Y ☐ N
RAD Screen <0.5 mR/hr: ☒ Y ☐ N

If preservation required by Login: Date/Time

Condition: NCF / OK

ANALYTICAL REPORT

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

Laboratory Job ID: 580-99729-1
Client Project/Site: BP - ARCO 11060
Revision: 1

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

Attn: Megan Richard

M. Elaine Walker

Authorized for release by:
1/5/2021 4:39:21 PM

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

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Definitions/Glossary

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

Job ID: 580-99729-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 580-99729-1

Job ID: 580-99729-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative 580-99729-1

Revision 1: January 5, 2021

This revision was necessary to change the units for 6020B to ug/L per program requirements.

Receipt

Seven samples were received on 12/11/2020 11:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.9° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described 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: The following samples contained a hydrocarbon pattern in the diesel range; however, the elution pattern was earlier than the typical diesel fuel pattern used by the laboratory for quantitative purposes: MW-2_24.06_20201210 (580-99729-1) and MW-12_27.31_20201210 (580-99729-6).

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: 580-99729-1

Client Sample ID: MW-2_24.06_20201210

Lab Sample ID: 580-99729-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	590		250	100	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	190		110	66	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: MW-3_24.59_20201210

Lab Sample ID: 580-99729-2

No Detections.

Client Sample ID: MW-6_14.24_20201210

Lab Sample ID: 580-99729-3

No Detections.

Client Sample ID: MW-9_24.33_20201210

Lab Sample ID: 580-99729-4

No Detections.

Client Sample ID: MW-11_26.25_20201210

Lab Sample ID: 580-99729-5

No Detections.

Client Sample ID: MW-12_27.31_20201210

Lab Sample ID: 580-99729-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline	290		250	100	ug/L	1		NWTPH-Gx	Total/NA
#2 Diesel (C10-C24)	400		110	65	ug/L	1		NWTPH-Dx	Total/NA

Client Sample ID: Trip-Blank_20201210

Lab Sample ID: 580-99729-7

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: 580-99729-1

Client Sample ID: MW-2_24.06_20201210

Lab Sample ID: 580-99729-1

Date Collected: 12/10/20 16:50

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0	0.24	ug/L			12/21/20 15:45	1
Ethylbenzene	ND		3.0	0.50	ug/L			12/21/20 15:45	1
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			12/21/20 15:45	1
m-Xylene & p-Xylene	ND		3.0	0.75	ug/L			12/21/20 15:45	1
o-Xylene	ND		2.0	0.39	ug/L			12/21/20 15:45	1
Toluene	ND		2.0	0.39	ug/L			12/21/20 15:45	1
Xylenes, Total	ND		3.0	0.39	ug/L			12/21/20 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 126		12/21/20 15:45	1
4-Bromofluorobenzene (Surr)	105		80 - 120		12/21/20 15:45	1
Dibromofluoromethane (Surr)	96		80 - 120		12/21/20 15:45	1
Toluene-d8 (Surr)	97		80 - 120		12/21/20 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	590		250	100	ug/L			12/16/20 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		50 - 150		12/16/20 05:22	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	190		110	66	ug/L		12/22/20 14:33	12/28/20 14:32	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		12/22/20 14:33	12/28/20 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	112		50 - 150	12/22/20 14:33	12/28/20 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/14/20 17:52	12/15/20 13:01	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/16/20 17:35	12/17/20 12:04	5

Client Sample ID: MW-3_24.59_20201210

Lab Sample ID: 580-99729-2

Date Collected: 12/10/20 10:00

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0	0.24	ug/L			12/21/20 16:11	1
Ethylbenzene	ND		3.0	0.50	ug/L			12/21/20 16:11	1
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			12/21/20 16:11	1
m-Xylene & p-Xylene	ND		3.0	0.75	ug/L			12/21/20 16:11	1
o-Xylene	ND		2.0	0.39	ug/L			12/21/20 16:11	1
Toluene	ND		2.0	0.39	ug/L			12/21/20 16:11	1
Xylenes, Total	ND		3.0	0.39	ug/L			12/21/20 16:11	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-99729-1

Client Sample ID: MW-3_24.59_20201210

Lab Sample ID: 580-99729-2

Date Collected: 12/10/20 10:00

Matrix: Water

Date Received: 12/11/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 126		12/21/20 16:11	1
4-Bromofluorobenzene (Surr)	90		80 - 120		12/21/20 16:11	1
Dibromofluoromethane (Surr)	106		80 - 120		12/21/20 16:11	1
Toluene-d8 (Surr)	96		80 - 120		12/21/20 16:11	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			12/16/20 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150		12/16/20 06:10	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	66	ug/L		12/22/20 14:33	12/28/20 14:52	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		12/22/20 14:33	12/28/20 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	109		50 - 150	12/22/20 14:33	12/28/20 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/14/20 17:52	12/15/20 13:05	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/16/20 17:35	12/17/20 11:16	5

Client Sample ID: MW-6_14.24_20201210

Lab Sample ID: 580-99729-3

Date Collected: 12/10/20 10:55

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0	0.24	ug/L			12/21/20 16:38	1
Ethylbenzene	ND		3.0	0.50	ug/L			12/21/20 16:38	1
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			12/21/20 16:38	1
m-Xylene & p-Xylene	ND		3.0	0.75	ug/L			12/21/20 16:38	1
o-Xylene	ND		2.0	0.39	ug/L			12/21/20 16:38	1
Toluene	ND		2.0	0.39	ug/L			12/21/20 16:38	1
Xylenes, Total	ND		3.0	0.39	ug/L			12/21/20 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 126		12/21/20 16:38	1
4-Bromofluorobenzene (Surr)	87		80 - 120		12/21/20 16:38	1
Dibromofluoromethane (Surr)	107		80 - 120		12/21/20 16:38	1
Toluene-d8 (Surr)	98		80 - 120		12/21/20 16:38	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			12/16/20 06:35	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-99729-1

Client Sample ID: MW-6_14.24_20201210

Lab Sample ID: 580-99729-3

Date Collected: 12/10/20 10:55

Matrix: Water

Date Received: 12/11/20 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150		12/16/20 06:35	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	65	ug/L		12/22/20 14:33	12/28/20 15:12	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		12/22/20 14:33	12/28/20 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	108		50 - 150	12/22/20 14:33	12/28/20 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/14/20 17:52	12/15/20 13:09	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/16/20 17:35	12/17/20 11:19	5

Client Sample ID: MW-9_24.33_20201210

Lab Sample ID: 580-99729-4

Date Collected: 12/10/20 15:50

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0	0.24	ug/L			12/21/20 17:03	1
Ethylbenzene	ND		3.0	0.50	ug/L			12/21/20 17:03	1
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			12/21/20 17:03	1
m-Xylene & p-Xylene	ND		3.0	0.75	ug/L			12/21/20 17:03	1
o-Xylene	ND		2.0	0.39	ug/L			12/21/20 17:03	1
Toluene	ND		2.0	0.39	ug/L			12/21/20 17:03	1
Xylenes, Total	ND		3.0	0.39	ug/L			12/21/20 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 126		12/21/20 17:03	1
4-Bromofluorobenzene (Surr)	86		80 - 120		12/21/20 17:03	1
Dibromofluoromethane (Surr)	110		80 - 120		12/21/20 17:03	1
Toluene-d8 (Surr)	100		80 - 120		12/21/20 17:03	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			12/16/20 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		50 - 150		12/16/20 06:59	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	66	ug/L		12/22/20 14:33	12/28/20 15:32	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		12/22/20 14:33	12/28/20 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	116		50 - 150	12/22/20 14:33	12/28/20 15:32	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-99729-1

Client Sample ID: MW-9_24.33_20201210

Lab Sample ID: 580-99729-4

Date Collected: 12/10/20 15:50

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/14/20 17:52	12/15/20 13:12	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/16/20 17:35	12/17/20 11:23	5

Client Sample ID: MW-11_26.25_20201210

Lab Sample ID: 580-99729-5

Date Collected: 12/10/20 14:10

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0	0.24	ug/L			12/21/20 17:29	1
Ethylbenzene	ND		3.0	0.50	ug/L			12/21/20 17:29	1
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			12/21/20 17:29	1
m-Xylene & p-Xylene	ND		3.0	0.75	ug/L			12/21/20 17:29	1
o-Xylene	ND		2.0	0.39	ug/L			12/21/20 17:29	1
Toluene	ND		2.0	0.39	ug/L			12/21/20 17:29	1
Xylenes, Total	ND		3.0	0.39	ug/L			12/21/20 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 126		12/21/20 17:29	1
4-Bromofluorobenzene (Surr)	93		80 - 120		12/21/20 17:29	1
Dibromofluoromethane (Surr)	106		80 - 120		12/21/20 17:29	1
Toluene-d8 (Surr)	94		80 - 120		12/21/20 17:29	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			12/16/20 07:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		50 - 150		12/16/20 07:24	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	66	ug/L		12/22/20 14:33	12/28/20 15:52	1
Motor Oil (>C24-C36)	ND		350	97	ug/L		12/22/20 14:33	12/28/20 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	101		50 - 150	12/22/20 14:33	12/28/20 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/14/20 17:52	12/15/20 13:20	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/16/20 17:35	12/17/20 11:27	5

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-99729-1

Client Sample ID: MW-12_27.31_20201210

Lab Sample ID: 580-99729-6

Date Collected: 12/10/20 14:50

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0	0.24	ug/L			12/21/20 17:56	1
Ethylbenzene	ND		3.0	0.50	ug/L			12/21/20 17:56	1
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			12/21/20 17:56	1
m-Xylene & p-Xylene	ND		3.0	0.75	ug/L			12/21/20 17:56	1
o-Xylene	ND		2.0	0.39	ug/L			12/21/20 17:56	1
Toluene	ND		2.0	0.39	ug/L			12/21/20 17:56	1
Xylenes, Total	ND		3.0	0.39	ug/L			12/21/20 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 126		12/21/20 17:56	1
4-Bromofluorobenzene (Surr)	102		80 - 120		12/21/20 17:56	1
Dibromofluoromethane (Surr)	96		80 - 120		12/21/20 17:56	1
Toluene-d8 (Surr)	97		80 - 120		12/21/20 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	290		250	100	ug/L			12/16/20 07:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		50 - 150		12/16/20 07:48	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	400		110	65	ug/L		12/22/20 14:33	12/28/20 16:13	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		12/22/20 14:33	12/28/20 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	117		50 - 150	12/22/20 14:33	12/28/20 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/14/20 17:52	12/15/20 13:16	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/16/20 17:35	12/17/20 11:30	5

Client Sample ID: Trip-Blank_20201210

Lab Sample ID: 580-99729-7

Date Collected: 12/10/20 00:00

Matrix: Water

Date Received: 12/11/20 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0	0.24	ug/L			12/21/20 11:51	1
Toluene	ND		2.0	0.39	ug/L			12/21/20 11:51	1
Ethylbenzene	ND		3.0	0.50	ug/L			12/21/20 11:51	1
Xylenes, Total	ND		3.0	0.39	ug/L			12/21/20 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		12/21/20 11:51	1
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		12/21/20 11:51	1
4-Bromofluorobenzene (Surr)	88		80 - 120		12/21/20 11:51	1

Eurofins TestAmerica, Seattle

Client Sample Results

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

Job ID: 580-99729-1

Client Sample ID: Trip-Blank_20201210

Lab Sample ID: 580-99729-7

Date Collected: 12/10/20 00:00

Matrix: Water

Date Received: 12/11/20 11:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		80 - 120		12/21/20 11:51	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			12/16/20 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		50 - 150		12/16/20 02:56	1

Surrogate Summary

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

Job ID: 580-99729-1

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)
580-99729-1	MW-2_24.06_20201210	95	105	96	97
580-99729-2	MW-3_24.59_20201210	105	90	106	96
580-99729-3	MW-6_14.24_20201210	110	87	107	98
580-99729-4	MW-9_24.33_20201210	109	86	110	100
580-99729-5	MW-11_26.25_20201210	108	93	106	94
580-99729-6	MW-12_27.31_20201210	97	102	96	97
580-99729-7	Trip-Blank_20201210	102	88	104	101
LCS 580-346089/6	Lab Control Sample	92	104	93	103
LCSD 580-346089/7	Lab Control Sample Dup	95	102	95	105
MB 580-346089/5	Method Blank	102	93	105	97

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)			
580-99729-1	MW-2_24.06_20201210	112			
580-99729-2	MW-3_24.59_20201210	90			
580-99729-3	MW-6_14.24_20201210	88			
580-99729-4	MW-9_24.33_20201210	91			
580-99729-5	MW-11_26.25_20201210	92			
580-99729-6	MW-12_27.31_20201210	102			
580-99729-7	Trip-Blank_20201210	85			
LCS 580-345853/5	Lab Control Sample	97			
LCSD 580-345853/6	Lab Control Sample Dup	98			
MB 580-345853/4	Method Blank	90			

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		OTPH (50-150)			
580-99729-1	MW-2_24.06_20201210	112			
580-99729-2	MW-3_24.59_20201210	109			
580-99729-3	MW-6_14.24_20201210	108			
580-99729-4	MW-9_24.33_20201210	116			
580-99729-5	MW-11_26.25_20201210	101			
580-99729-6	MW-12_27.31_20201210	117			
LCS 580-346218/2-B	Lab Control Sample	100			
LCSD 580-346218/3-B	Lab Control Sample Dup	102			

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Surrogate Summary

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

Job ID: 580-99729-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

(Continued)

Matrix: Water

Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)				
Lab Sample ID	Client Sample ID	OTPH (50-150)					
MB 580-346218/1-B	Method Blank	102					
Surrogate Legend							
OTPH = o-Terphenyl							

QC Sample Results

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

Job ID: 580-99729-1

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

Lab Sample ID: MB 580-346089/5

Matrix: Water

Analysis Batch: 346089

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.0	0.24	ug/L			12/21/20 10:33	1
Ethylbenzene	ND		3.0	0.50	ug/L			12/21/20 10:33	1
Methyl tert-butyl ether	ND		2.0	0.44	ug/L			12/21/20 10:33	1
m-Xylene & p-Xylene	ND		3.0	0.75	ug/L			12/21/20 10:33	1
o-Xylene	ND		2.0	0.39	ug/L			12/21/20 10:33	1
Toluene	ND		2.0	0.39	ug/L			12/21/20 10:33	1
Xylenes, Total	ND		3.0	0.39	ug/L			12/21/20 10:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 126		12/21/20 10:33	1
4-Bromofluorobenzene (Surr)	93		80 - 120		12/21/20 10:33	1
Dibromofluoromethane (Surr)	105		80 - 120		12/21/20 10:33	1
Toluene-d8 (Surr)	97		80 - 120		12/21/20 10:33	1

Lab Sample ID: LCS 580-346089/6

Matrix: Water

Analysis Batch: 346089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.84		ug/L		98	82 - 122
Ethylbenzene	10.0	10.6		ug/L		106	80 - 120
Methyl tert-butyl ether	10.0	9.56		ug/L		96	72 - 130
m-Xylene & p-Xylene	10.0	10.1		ug/L		101	80 - 120
o-Xylene	10.0	10.0		ug/L		100	80 - 125
Toluene	10.0	10.2		ug/L		102	80 - 120
Xylenes, Total	20.0	20.1		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		80 - 126
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 580-346089/7

Matrix: Water

Analysis Batch: 346089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	10.0	9.71		ug/L		97	82 - 122	1	14
Ethylbenzene	10.0	10.4		ug/L		104	80 - 120	1	14
Methyl tert-butyl ether	10.0	9.78		ug/L		98	72 - 130	2	18
m-Xylene & p-Xylene	10.0	10.0		ug/L		100	80 - 120	1	14
o-Xylene	10.0	10.0		ug/L		100	80 - 125	0	16
Toluene	10.0	10.2		ug/L		102	80 - 120	0	13
Xylenes, Total	20.0	20.0		ug/L		100	80 - 120	0	16

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QC Sample Results

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

Job ID: 580-99729-1

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

Lab Sample ID: LCSD 580-346089/7

Matrix: Water

Analysis Batch: 346089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		80 - 126
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
Toluene-d8 (Surr)	105		80 - 120

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

Lab Sample ID: MB 580-345853/4

Matrix: Water

Analysis Batch: 345853

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	-		12/16/20 01:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		50 - 150					12/16/20 01:43	1

Lab Sample ID: LCS 580-345853/5

Matrix: Water

Analysis Batch: 345853

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS			%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline			1000	868		ug/L		87	79 - 120	
Surrogate	LCS	LCS								
	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	97		50 - 150							

Lab Sample ID: LCSD 580-345853/6

Matrix: Water

Analysis Batch: 345853

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline			1000	952		ug/L	-	95	79 - 120	9	10
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		50 - 150								

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 580-346218/1-B

Matrix: Water

Analysis Batch: 346639

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 346218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		110	65	ug/L		12/22/20 14:33	12/28/20 13:32	1
Motor Oil (>C24-C36)	ND		350	96	ug/L		12/22/20 14:33	12/28/20 13:32	1

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QC Sample Results

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

Job ID: 580-99729-1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: MB 580-346218/1-B
Matrix: Water
Analysis Batch: 346639

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 346218

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	102		50 - 150	12/22/20 14:33	12/28/20 13:32	1

Lab Sample ID: LCS 580-346218/2-B
Matrix: Water
Analysis Batch: 346639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 346218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	2000	2140		ug/L		107	50 - 120
Motor Oil (>C24-C36)	2000	2050		ug/L		102	64 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	100		50 - 150				

Lab Sample ID: LCSD 580-346218/3-B
Matrix: Water
Analysis Batch: 346639

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 346218

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	2000	2120		ug/L		106	50 - 120	1	26
Motor Oil (>C24-C36)	2000	2040		ug/L		102	64 - 120	0	24
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	102		50 - 150						

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-345561/24-A
Matrix: Water
Analysis Batch: 345687

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 345561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.80	0.20	ug/L		12/14/20 17:52	12/15/20 13:42	1

Lab Sample ID: LCS 580-345561/25-A
Matrix: Water
Analysis Batch: 345687

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 345561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	971		ug/L		97	80 - 120

Lab Sample ID: LCSD 580-345561/26-A
Matrix: Water
Analysis Batch: 345687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 345561

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1000	979		ug/L		98	80 - 120	1	20

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QC Sample Results

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

Job ID: 580-99729-1

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

Lab Sample ID: MB 580-345768/10-A
Matrix: Water
Analysis Batch: 345868

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 345768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		4.0	1.0	ug/L		12/16/20 17:35	12/17/20 12:00	5

Lab Sample ID: LCS 580-345768/11-A
Matrix: Water
Analysis Batch: 345868

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 345768

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

Lab Sample ID: LCSD 580-345768/12-A
Matrix: Water
Analysis Batch: 345868

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 345768

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

Lab Sample ID: MB 580-345632/11-B
Matrix: Water
Analysis Batch: 345868

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 345767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.80	0.20	ug/L		12/16/20 17:34	12/17/20 10:32	1

Lab Sample ID: LCS 580-345632/12-B
Matrix: Water
Analysis Batch: 345868

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 345767

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

Lab Sample ID: LCSD 580-345632/13-B
Matrix: Water
Analysis Batch: 345868

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 345767

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

Lab Sample ID: 580-99729-1 MS
Matrix: Water
Analysis Batch: 345868

Client Sample ID: MW-2_24.06_20201210
Prep Type: Dissolved
Prep Batch: 345768

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

Lab Sample ID: 580-99729-1 MSD
Matrix: Water
Analysis Batch: 345868

Client Sample ID: MW-2_24.06_20201210
Prep Type: Dissolved
Prep Batch: 345768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	ND		1000	1040		ug/L		104	80 - 120	3	20

Eurofins TestAmerica, Seattle

QC Sample Results

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

Job ID: 580-99729-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 580-99729-1 DU

Matrix: Water

Analysis Batch: 345868

Client Sample ID: MW-2_24.06_20201210

Prep Type: Dissolved

Prep Batch: 345768

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

QC Association Summary

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

Job ID: 580-99729-1

GC/MS VOA

Analysis Batch: 346089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Total/NA	Water	8260D	
580-99729-2	MW-3_24.59_20201210	Total/NA	Water	8260D	
580-99729-3	MW-6_14.24_20201210	Total/NA	Water	8260D	
580-99729-4	MW-9_24.33_20201210	Total/NA	Water	8260D	
580-99729-5	MW-11_26.25_20201210	Total/NA	Water	8260D	
580-99729-6	MW-12_27.31_20201210	Total/NA	Water	8260D	
580-99729-7	Trip-Blank_20201210	Total/NA	Water	8260D	
MB 580-346089/5	Method Blank	Total/NA	Water	8260D	
LCS 580-346089/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 580-346089/7	Lab Control Sample Dup	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 345853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Total/NA	Water	NWTPH-Gx	
580-99729-2	MW-3_24.59_20201210	Total/NA	Water	NWTPH-Gx	
580-99729-3	MW-6_14.24_20201210	Total/NA	Water	NWTPH-Gx	
580-99729-4	MW-9_24.33_20201210	Total/NA	Water	NWTPH-Gx	
580-99729-5	MW-11_26.25_20201210	Total/NA	Water	NWTPH-Gx	
580-99729-6	MW-12_27.31_20201210	Total/NA	Water	NWTPH-Gx	
580-99729-7	Trip-Blank_20201210	Total/NA	Water	NWTPH-Gx	
MB 580-345853/4	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 580-345853/5	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 580-345853/6	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

GC Semi VOA

Prep Batch: 346218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Total/NA	Water	3510C	
580-99729-2	MW-3_24.59_20201210	Total/NA	Water	3510C	
580-99729-3	MW-6_14.24_20201210	Total/NA	Water	3510C	
580-99729-4	MW-9_24.33_20201210	Total/NA	Water	3510C	
580-99729-5	MW-11_26.25_20201210	Total/NA	Water	3510C	
580-99729-6	MW-12_27.31_20201210	Total/NA	Water	3510C	
MB 580-346218/1-B	Method Blank	Total/NA	Water	3510C	
LCS 580-346218/2-B	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-346218/3-B	Lab Control Sample Dup	Total/NA	Water	3510C	

Cleanup Batch: 346256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Total/NA	Water	3630C	346218
580-99729-2	MW-3_24.59_20201210	Total/NA	Water	3630C	346218
580-99729-3	MW-6_14.24_20201210	Total/NA	Water	3630C	346218
580-99729-4	MW-9_24.33_20201210	Total/NA	Water	3630C	346218
580-99729-5	MW-11_26.25_20201210	Total/NA	Water	3630C	346218
580-99729-6	MW-12_27.31_20201210	Total/NA	Water	3630C	346218
MB 580-346218/1-B	Method Blank	Total/NA	Water	3630C	346218
LCS 580-346218/2-B	Lab Control Sample	Total/NA	Water	3630C	346218
LCSD 580-346218/3-B	Lab Control Sample Dup	Total/NA	Water	3630C	346218

Eurofins TestAmerica, Seattle

QC Association Summary

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

Job ID: 580-99729-1

GC Semi VOA

Analysis Batch: 346639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Total/NA	Water	NWTPH-Dx	346256
580-99729-2	MW-3_24.59_20201210	Total/NA	Water	NWTPH-Dx	346256
580-99729-3	MW-6_14.24_20201210	Total/NA	Water	NWTPH-Dx	346256
580-99729-4	MW-9_24.33_20201210	Total/NA	Water	NWTPH-Dx	346256
580-99729-5	MW-11_26.25_20201210	Total/NA	Water	NWTPH-Dx	346256
580-99729-6	MW-12_27.31_20201210	Total/NA	Water	NWTPH-Dx	346256
MB 580-346218/1-B	Method Blank	Total/NA	Water	NWTPH-Dx	346256
LCS 580-346218/2-B	Lab Control Sample	Total/NA	Water	NWTPH-Dx	346256
LCSD 580-346218/3-B	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	346256

Metals

Prep Batch: 345561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Total Recoverable	Water	3005A	
580-99729-2	MW-3_24.59_20201210	Total Recoverable	Water	3005A	
580-99729-3	MW-6_14.24_20201210	Total Recoverable	Water	3005A	
580-99729-4	MW-9_24.33_20201210	Total Recoverable	Water	3005A	
580-99729-5	MW-11_26.25_20201210	Total Recoverable	Water	3005A	
580-99729-6	MW-12_27.31_20201210	Total Recoverable	Water	3005A	
MB 580-345561/24-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-345561/25-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-345561/26-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Filtration Batch: 345632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Dissolved	Water	FILTRATION	
580-99729-2	MW-3_24.59_20201210	Dissolved	Water	FILTRATION	
580-99729-3	MW-6_14.24_20201210	Dissolved	Water	FILTRATION	
580-99729-4	MW-9_24.33_20201210	Dissolved	Water	FILTRATION	
580-99729-5	MW-11_26.25_20201210	Dissolved	Water	FILTRATION	
580-99729-6	MW-12_27.31_20201210	Dissolved	Water	FILTRATION	
MB 580-345632/11-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 580-345632/12-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 580-345632/13-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	
580-99729-1 MS	MW-2_24.06_20201210	Dissolved	Water	FILTRATION	
580-99729-1 MSD	MW-2_24.06_20201210	Dissolved	Water	FILTRATION	
580-99729-1 DU	MW-2_24.06_20201210	Dissolved	Water	FILTRATION	

Analysis Batch: 345687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Total Recoverable	Water	6020B	345561
580-99729-2	MW-3_24.59_20201210	Total Recoverable	Water	6020B	345561
580-99729-3	MW-6_14.24_20201210	Total Recoverable	Water	6020B	345561
580-99729-4	MW-9_24.33_20201210	Total Recoverable	Water	6020B	345561
580-99729-5	MW-11_26.25_20201210	Total Recoverable	Water	6020B	345561
580-99729-6	MW-12_27.31_20201210	Total Recoverable	Water	6020B	345561
MB 580-345561/24-A	Method Blank	Total Recoverable	Water	6020B	345561
LCS 580-345561/25-A	Lab Control Sample	Total Recoverable	Water	6020B	345561
LCSD 580-345561/26-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	345561

Eurofins TestAmerica, Seattle

QC Association Summary

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

Job ID: 580-99729-1

Metals

Prep Batch: 345767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 580-345632/11-B	Method Blank	Dissolved	Water	200.8	345632
LCS 580-345632/12-B	Lab Control Sample	Dissolved	Water	200.8	345632
LCSD 580-345632/13-B	Lab Control Sample Dup	Dissolved	Water	200.8	345632

Prep Batch: 345768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Dissolved	Water	3005A	345632
580-99729-2	MW-3_24.59_20201210	Dissolved	Water	3005A	345632
580-99729-3	MW-6_14.24_20201210	Dissolved	Water	3005A	345632
580-99729-4	MW-9_24.33_20201210	Dissolved	Water	3005A	345632
580-99729-5	MW-11_26.25_20201210	Dissolved	Water	3005A	345632
580-99729-6	MW-12_27.31_20201210	Dissolved	Water	3005A	345632
MB 580-345768/10-A	Method Blank	Total Recoverable	Water	3005A	
LCS 580-345768/11-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 580-345768/12-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
580-99729-1 MS	MW-2_24.06_20201210	Dissolved	Water	3005A	345632
580-99729-1 MSD	MW-2_24.06_20201210	Dissolved	Water	3005A	345632
580-99729-1 DU	MW-2_24.06_20201210	Dissolved	Water	3005A	345632

Analysis Batch: 345868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-99729-1	MW-2_24.06_20201210	Dissolved	Water	6020B	345768
580-99729-2	MW-3_24.59_20201210	Dissolved	Water	6020B	345768
580-99729-3	MW-6_14.24_20201210	Dissolved	Water	6020B	345768
580-99729-4	MW-9_24.33_20201210	Dissolved	Water	6020B	345768
580-99729-5	MW-11_26.25_20201210	Dissolved	Water	6020B	345768
580-99729-6	MW-12_27.31_20201210	Dissolved	Water	6020B	345768
MB 580-345632/11-B	Method Blank	Dissolved	Water	6020B	345767
MB 580-345768/10-A	Method Blank	Total Recoverable	Water	6020B	345768
LCS 580-345632/12-B	Lab Control Sample	Dissolved	Water	6020B	345767
LCS 580-345768/11-A	Lab Control Sample	Total Recoverable	Water	6020B	345768
LCSD 580-345632/13-B	Lab Control Sample Dup	Dissolved	Water	6020B	345767
LCSD 580-345768/12-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	345768
580-99729-1 MS	MW-2_24.06_20201210	Dissolved	Water	6020B	345768
580-99729-1 MSD	MW-2_24.06_20201210	Dissolved	Water	6020B	345768
580-99729-1 DU	MW-2_24.06_20201210	Dissolved	Water	6020B	345768

Lab Chronicle

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

Job ID: 580-99729-1

Client Sample ID: MW-2_24.06_20201210

Lab Sample ID: 580-99729-1

Date Collected: 12/10/20 16:50

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	346089	12/21/20 15:45	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 05:22	CJB	TAL SEA
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Cleanup	3630C			346256	12/22/20 18:26	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 14:32	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			345632	12/15/20 15:46	TMH	TAL SEA
Dissolved	Prep	3005A			345768	12/16/20 17:35	TMH	TAL SEA
Dissolved	Analysis	6020B		5	345868	12/17/20 12:04	FCW	TAL SEA
Total Recoverable	Prep	3005A			345561	12/14/20 17:52	TMH	TAL SEA
Total Recoverable	Analysis	6020B		5	345687	12/15/20 13:01	FCW	TAL SEA

Client Sample ID: MW-3_24.59_20201210

Lab Sample ID: 580-99729-2

Date Collected: 12/10/20 10:00

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	346089	12/21/20 16:11	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 06:10	CJB	TAL SEA
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Cleanup	3630C			346256	12/22/20 18:26	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 14:52	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			345632	12/15/20 15:46	TMH	TAL SEA
Dissolved	Prep	3005A			345768	12/16/20 17:35	TMH	TAL SEA
Dissolved	Analysis	6020B		5	345868	12/17/20 11:16	FCW	TAL SEA
Total Recoverable	Prep	3005A			345561	12/14/20 17:52	TMH	TAL SEA
Total Recoverable	Analysis	6020B		5	345687	12/15/20 13:05	FCW	TAL SEA

Client Sample ID: MW-6_14.24_20201210

Lab Sample ID: 580-99729-3

Date Collected: 12/10/20 10:55

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	346089	12/21/20 16:38	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 06:35	CJB	TAL SEA
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Cleanup	3630C			346256	12/22/20 18:26	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 15:12	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			345632	12/15/20 15:46	TMH	TAL SEA
Dissolved	Prep	3005A			345768	12/16/20 17:35	TMH	TAL SEA
Dissolved	Analysis	6020B		5	345868	12/17/20 11:19	FCW	TAL SEA
Total Recoverable	Prep	3005A			345561	12/14/20 17:52	TMH	TAL SEA
Total Recoverable	Analysis	6020B		5	345687	12/15/20 13:09	FCW	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

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

Job ID: 580-99729-1

Client Sample ID: MW-9_24.33_20201210

Lab Sample ID: 580-99729-4

Date Collected: 12/10/20 15:50

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	346089	12/21/20 17:03	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 06:59	CJB	TAL SEA
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Cleanup	3630C			346256	12/22/20 18:26	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 15:32	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			345632	12/15/20 15:46	TMH	TAL SEA
Dissolved	Prep	3005A			345768	12/16/20 17:35	TMH	TAL SEA
Dissolved	Analysis	6020B		5	345868	12/17/20 11:23	FCW	TAL SEA
Total Recoverable	Prep	3005A			345561	12/14/20 17:52	TMH	TAL SEA
Total Recoverable	Analysis	6020B		5	345687	12/15/20 13:12	FCW	TAL SEA

Client Sample ID: MW-11_26.25_20201210

Lab Sample ID: 580-99729-5

Date Collected: 12/10/20 14:10

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	346089	12/21/20 17:29	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 07:24	CJB	TAL SEA
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Cleanup	3630C			346256	12/22/20 18:26	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 15:52	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			345632	12/15/20 15:46	TMH	TAL SEA
Dissolved	Prep	3005A			345768	12/16/20 17:35	TMH	TAL SEA
Dissolved	Analysis	6020B		5	345868	12/17/20 11:27	FCW	TAL SEA
Total Recoverable	Prep	3005A			345561	12/14/20 17:52	TMH	TAL SEA
Total Recoverable	Analysis	6020B		5	345687	12/15/20 13:20	FCW	TAL SEA

Client Sample ID: MW-12_27.31_20201210

Lab Sample ID: 580-99729-6

Date Collected: 12/10/20 14:50

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	346089	12/21/20 17:56	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 07:48	CJB	TAL SEA
Total/NA	Prep	3510C			346218	12/22/20 14:33	JBT	TAL SEA
Total/NA	Cleanup	3630C			346256	12/22/20 18:26	RBL	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	346639	12/28/20 16:13	ADB	TAL SEA
Dissolved	Filtration	FILTRATION			345632	12/15/20 15:46	TMH	TAL SEA
Dissolved	Prep	3005A			345768	12/16/20 17:35	TMH	TAL SEA
Dissolved	Analysis	6020B		5	345868	12/17/20 11:30	FCW	TAL SEA
Total Recoverable	Prep	3005A			345561	12/14/20 17:52	TMH	TAL SEA
Total Recoverable	Analysis	6020B		5	345687	12/15/20 13:16	FCW	TAL SEA

Eurofins TestAmerica, Seattle

Lab Chronicle

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

Job ID: 580-99729-1

Client Sample ID: Trip-Blank_20201210

Lab Sample ID: 580-99729-7

Date Collected: 12/10/20 00:00

Matrix: Water

Date Received: 12/11/20 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	346089	12/21/20 11:51	JSM	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	345853	12/16/20 02:56	CJB	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: 580-99729-1

Laboratory: Eurofins TestAmerica, Seattle

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

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

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

Method Summary

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

Job ID: 580-99729-1

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	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	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
3630C	Silica Gel Cleanup	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: 580-99729-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-99729-1	MW-2_24.06_20201210	Water	12/10/20 16:50	12/11/20 11:30	
580-99729-2	MW-3_24.59_20201210	Water	12/10/20 10:00	12/11/20 11:30	
580-99729-3	MW-6_14.24_20201210	Water	12/10/20 10:55	12/11/20 11:30	
580-99729-4	MW-9_24.33_20201210	Water	12/10/20 15:50	12/11/20 11:30	
580-99729-5	MW-11_26.25_20201210	Water	12/10/20 14:10	12/11/20 11:30	
580-99729-6	MW-12_27.31_20201210	Water	12/10/20 14:50	12/11/20 11:30	
580-99729-7	Trip-Blank_20201210	Water	12/10/20 00:00	12/11/20 11:30	



Laboratory Management Program (LaMP) Chain of Custody Record

Soil, Sediment and Groundwater Samples

BP Site Node Path:

Former BP 11060

Req Due Date (mm/dd/yy):

Standard TAT

Rush TAT Yes

No

Page 1 of 2

BP/RM Facility No:

Former BP Facility No. 11060

Lab Work Order Number:

Lab Name: Test America				BP/ARC Facility Address: 4580 Fauntleroy Way SW				Consultant/Contractor: Antea Group																																																																																																																																																																																																	
Lab Address: 5755 6th 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: WRB45730 / 00C22-0001				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				Report Type & QC Level																																																																																																																																																																																													
PM Phone: 360-594-7978				<table border="1"> <thead> <tr> <th>Field Matrix</th> <th>Start Depth</th> <th>End Depth</th> <th>Depth Unit</th> <th>Grab (G) or Composite (C)</th> <th>Total Number of Containers</th> <th>Analysis</th> <th>Filter</th> <th>Pres</th> <th>MTBE by EPA 8260</th> <th>MTBE by EPA 8260</th> <th>WWTP-H-Gx</th> <th>WWTP-H-Dx</th> <th>Pb-T by EPA 6020</th> <th>Pb-D by EPA 6020</th> <th>EDB by EPA 8011</th> <th>EDC by EPA 8260</th> <th>Sulfate</th> <th>Nitrate as N</th> <th>Chloride</th> <th>Total and dissolved Fe</th> <th>Mn (total and diss)</th> </tr> </thead> <tbody> <tr> <td>GWM-1</td> <td></td> <td></td> <td></td> <td>G</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-1</td> <td></td> <td></td> <td></td> <td>G</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-2 24.06-20201010</td> <td>12-10-20</td> <td>1650</td> <td></td> <td>G</td> <td>10</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-3 24.59-20201010</td> <td>12-10-20</td> <td>1000</td> <td></td> <td>G</td> <td>10</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-4 14.34-20201010</td> <td></td> <td></td> <td></td> <td>G</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-5</td> <td></td> <td></td> <td></td> <td>G</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-6 14.34-20201010</td> <td>12-10-20</td> <td>1055</td> <td></td> <td>G</td> <td>10</td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Field Matrix	Start Depth	End Depth	Depth Unit	Grab (G) or Composite (C)	Total Number of Containers	Analysis	Filter	Pres	MTBE by EPA 8260	MTBE by EPA 8260	WWTP-H-Gx	WWTP-H-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	EDB by EPA 8011	EDC by EPA 8260	Sulfate	Nitrate as N	Chloride	Total and dissolved Fe	Mn (total and diss)	GWM-1				G					X	X	X	X	X	X										MW-1				G					X	X	X	X	X	X										MW-2 24.06-20201010	12-10-20	1650		G	10				X	X	X	X	X	X										MW-3 24.59-20201010	12-10-20	1000		G	10				X	X	X	X	X	X										MW-4 14.34-20201010				G					X	X	X	X	X	X										MW-5				G					X	X	X	X	X	X										MW-6 14.34-20201010	12-10-20	1055		G	10				X	X	X	X	X	X										Limited (Standard) Package _____ Limited Plus Package _____ Full Package _____			
Field Matrix	Start Depth	End Depth	Depth Unit					Grab (G) or Composite (C)	Total Number of Containers	Analysis	Filter	Pres	MTBE by EPA 8260	MTBE by EPA 8260	WWTP-H-Gx	WWTP-H-Dx	Pb-T by EPA 6020	Pb-D by EPA 6020	EDB by EPA 8011	EDC by EPA 8260	Sulfate	Nitrate as N	Chloride	Total and dissolved Fe	Mn (total and diss)																																																																																																																																																																																
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PM Email: wade.melton@bp.com												Comments																																																																																																																																																																																													

Sampler's Name: Marissa Bernard / Jonah

Sampler's Company: Antea Group

Ship Method: carrier

Ship Date: 12/11/20

Shipment Tracking No:

Relinquished By / Affiliation

Date

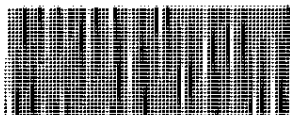
Time

Accepted By / Affiliation

Date

Time

THIS



580-99729 Chain of Custody

Temp Blank: Yes / No

Cooler Temp on Receipt: °F/C

Trip Blank: Yes / No

MEMO Sample Submitted: Yes / No

LaMP Soil/H2O COC July 2018

Therm. ID: A7 Cor: -0.9 °C Unc: 0.0 °C

Cooler Desc: LB

Packing: None

Cust. Seal: Yes X No

Blue Ice: (We), Dry, None

FedEx:

UPS:

Lab Cour: A

Other:



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:

Lab Name: Test America		BPIARC 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 Acctn:		Enfos Proposal No: WR845730 / 00C22-0001		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																					
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	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	Sulfate	Nitrate as N	Chloride	Total and dissolved Fe	Min (total and diss)	Comments	
	MW-9_24.33_20201210	12-10-20	1550	W				G	10		X	X	X	X	X	X									
	MW-11_26.25_20201210	12-10-20	1410	W				G	10		X	X	X	X	X	X									
	MW-12_27.31_20201210	12-10-20	1450	W				G	10		X	X	X	X	X	X									
	Dup-1			W				G			X	X	X	X	X	X									
	Trip-Blank_20201210	12-10-20	0000	W				G	4		X		X												
Sampler's Name: Marissa Bernard / Jonah		Relinquished By / Affiliation		Date		Time		Accepted By / Affiliation		Date		Time													
Sampler's Company: Antea Group		Leurquin		12/11		1130		Jonah Jn ETA SEA		12/11/2020		1130													
Ship Method: courier		Ship Date: 12/11/20																							
Shipment Tracking No:																									

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

12/12/2020

Login Container Summary Report

580-99729

Temperature readings:

1/5/2021 (Rev. 1)

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Temp	Added (mls)	Lot #
MW-2_24.06_20201210	580-99729-A-1	Amber Glass 250mL - hydrochloric acid	< 2			0308501F-590
MW-2_24.06_20201210	580-99729-B-1	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-2_24.06_20201210	580-99729-C-1	Plastic 250ml - with Nitric Acid				0314701F-000
MW-3_24.59_20201210	580-99729-A-2	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-3_24.59_20201210	580-99729-B-2	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-3_24.59_20201210	580-99729-C-2	Plastic 250ml - with Nitric Acid				0314701F-000
MW-6_14.24_20201210	580-99729-A-3	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-6_14.24_20201210	580-99729-B-3	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-6_14.24_20201210	580-99729-C-3	Plastic 250ml - with Nitric Acid				0314701F-000
MW-9_24.33_20201210	580-99729-A-4	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-9_24.33_20201210	580-99729-B-4	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-9_24.33_20201210	580-99729-C-4	Plastic 250ml - with Nitric Acid				0314701F-000
MW-11_26.25_20201210	580-99729-A-5	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-11_26.25_20201210	580-99729-B-5	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-11_26.25_20201210	580-99729-C-5	Plastic 250ml - with Nitric Acid				0314701F-000
MW-12_27.31_20201210	580-99729-A-6	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-12_27.31_20201210	580-99729-B-6	Amber Glass 250mL - hydrochloric acid				0308501F-590
MW-12_27.31_20201210	580-99729-C-6	Plastic 250ml - with Nitric Acid				0314701F-000

Login Sample Receipt Checklist

Client: Antea USA Inc.

Job Number: 580-99729-1

Login Number: 99729

List Source: Eurofins TestAmerica, Seattle

List Number: 1

Creator: Hobbs, Kenneth F

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 346089 Batch Start Date: 12/21/20 09:14 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	
MB 580-346089/5		8260D		5 mL	5 mL		1 uL		
LCS 580-346089/6		8260D		5 mL	5 mL		1 uL	10 uL	
LCSD 580-346089/7		8260D		5 mL	5 mL		1 uL	10 uL	
580-99729-B-7	Trip-Blank_20201 210	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-G-1	MW-2_24.06_20201 210	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-G-2	MW-3_24.59_20201 210	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-G-3	MW-6_14.24_20201 210	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-G-4	MW-9_24.33_20201 210	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-G-5	MW-11_26.25_2020 1210	8260D	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-G-6	MW-12_27.31_2020 1210	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.: 580-99729-1

SDG No.: _____

Batch Number: 345853 Batch Start Date: 12/16/20 00:54 Batch Analyst: Bohn, Christina JBatch Method: NWTPH-Gx Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	BFBGRO ARCHON 00045	GRO_LCS 00064	V2.4TFT-EX 00062
MB 580-345853/4		NWTPH-Gx		5 mL	5 mL		1 uL		
LCS 580-345853/5		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	1250 uL
LCSD 580-345853/6		NWTPH-Gx		5 mL	5 mL		1 uL	25 uL	1250 uL
580-99729-A-7	Trip-Blank_20201 210	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-E-1	MW-2_24.06_20201 210	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-E-2	MW-3_24.59_20201 210	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-E-3	MW-6_14.24_20201 210	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-E-4	MW-9_24.33_20201 210	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-E-5	MW-11_26.25_2020 1210	NWTPH-Gx	T	5 mL	5 mL	<2 SU	1 uL		
580-99729-E-6	MW-12_27.31_2020 1210	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.: 580-99729-1

SDG No.: _____

Batch Number: 346218 Batch Start Date: 12/22/20 14:32 Batch Analyst: Tucker, Jonathon BBatch Method: 3510C Batch End Date: 12/22/20 19:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-346218/1		3510C, 3630C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCS 580-346218/2		3510C, 3630C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
LCSD 580-346218/3		3510C, 3630C, NWTPH-Dx				250 mL	1 mL	7 SU	2 SU
580-99729-A-1	MW-2_24.06_20201 210	3510C, 3630C, NWTPH-Dx	T	00414.39 g	00167.40 g	247 mL	1 mL	2 SU	2 SU
580-99729-A-2	MW-3_24.59_20201 210	3510C, 3630C, NWTPH-Dx	T	00414.71 g	00167.91 g	246.8 mL	1 mL	2 SU	2 SU
580-99729-A-3	MW-6_14.24_20201 210	3510C, 3630C, NWTPH-Dx	T	00415.47 g	00166.87 g	248.6 mL	1 mL	2 SU	2 SU
580-99729-A-4	MW-9_24.33_20201 210	3510C, 3630C, NWTPH-Dx	T	00415.11 g	00168.13 g	247 mL	1 mL	2 SU	2 SU
580-99729-B-5	MW-11_26.25_2020 1210	3510C, 3630C, NWTPH-Dx	T	00414.84 g	00167.20 g	247.6 mL	1 mL	2 SU	2 SU
580-99729-B-6	MW-12_27.31_2020 1210	3510C, 3630C, NWTPH-Dx	T	00415.80 g	00166.83 g	249 mL	1 mL	2 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk _00026	TPH_WaterSurr _00062			
MB 580-346218/1		3510C, 3630C, NWTPH-Dx		n/a SU		100 uL			
LCS 580-346218/2		3510C, 3630C, NWTPH-Dx		n/a SU	100 uL	100 uL			
LCSD 580-346218/3		3510C, 3630C, NWTPH-Dx		n/a SU	100 uL	100 uL			
580-99729-A-1	MW-2_24.06_20201 210	3510C, 3630C, 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.: 580-99729-1

SDG No.: _____

Batch Number: 346218 Batch Start Date: 12/22/20 14:32 Batch Analyst: Tucker, Jonathon BBatch Method: 3510C Batch End Date: 12/22/20 19:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	TPH_Water_Spk 00026	TPH_WaterSurr 00062			
580-99729-A-2	MW-3_24.59_20201 210	3510C, 3630C, NWTPH-Dx	T	n/a SU		100 uL			
580-99729-A-3	MW-6_14.24_20201 210	3510C, 3630C, NWTPH-Dx	T	n/a SU		100 uL			
580-99729-A-4	MW-9_24.33_20201 210	3510C, 3630C, NWTPH-Dx	T	n/a SU		100 uL			
580-99729-B-5	MW-11_26.25_2020 1210	3510C, 3630C, NWTPH-Dx	T	n/a SU		100 uL			
580-99729-B-6	MW-12_27.31_2020 1210	3510C, 3630C, 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.: 580-99729-1

SDG No.: _____

Batch Number: 346218 Batch Start Date: 12/22/20 14:32 Batch Analyst: Tucker, Jonathon BBatch Method: 3510C Batch End Date: 12/22/20 19:30

Batch Notes	
Acid Used for pH Adjustment ID	2750833
Balance ID	sea225
Batch Comment	viald by RL
Analyst ID - Concentration	JBT
Concentration 1 Corrected Temperature	69.9-74.9 Degrees C
Concentration 2 Corrected Temperature	19.6 Degrees C
Analyst ID - Clean Up	RL
Equipment ID - Concentration 1	steambath 2
Equipment ID - Concentration 2	turbovap 5
Analyst ID - Extraction	JBT
Filter ID	2707788
Method/Fraction	3510C/Dx/8015DRO
Na2SO4 ID	2744776
pH Indicator ID	6003004
Pipette/Syringe/Dispenser ID	mp4
Prep Solvent ID	2749437
Prep Solvent Volume Used	100 mL
Silica Gel ID	2674937
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	DIGITALREADOUT
Concentration 1 Uncorrected Temperature	70-75 Degrees C
Concentration 2 Uncorrected Temperature	20 Degrees C
Vial Lot Number	24159736
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

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GC SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 346256 Batch Start Date: 12/22/20 18:26 Batch Analyst: Lundell, Rich BBatch Method: 3630C Batch End Date: 12/22/20 21:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-346218/1-A		3630C, NWTPH-Dx		1 mL	1 mL				
LCS 580-346218/2-A		3630C, NWTPH-Dx		1 mL	1 mL				
LCSD 580-346218/3-A		3630C, NWTPH-Dx		1 mL	1 mL				
580-99729-A-1-A	MW-2_24.06_20201 210	3630C, NWTPH-Dx	T	1 mL	1 mL				
580-99729-A-2-A	MW-3_24.59_20201 210	3630C, NWTPH-Dx	T	1 mL	1 mL				
580-99729-A-3-A	MW-6_14.24_20201 210	3630C, NWTPH-Dx	T	1 mL	1 mL				
580-99729-A-4-A	MW-9_24.33_20201 210	3630C, NWTPH-Dx	T	1 mL	1 mL				
580-99729-B-5-A	MW-11_26.25_2020 1210	3630C, NWTPH-Dx	T	1 mL	1 mL				
580-99729-B-6-A	MW-12_27.31_2020 1210	3630C, NWTPH-Dx	T	1 mL	1 mL				

Batch Notes

Batch Comment	vialled by RL
Analyst ID - Concentration	rjl
Na2SO4 ID	2744776
Silica Gel ID	2674937
Solvent Lot #	2777647
Analyst ID - Spike Analyst	rjl

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

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METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 345561 Batch Start Date: 12/14/20 17:52 Batch Analyst: Hua, Tammy MBatch Method: 3005A Batch End Date: 12/14/20 22:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00009	ICP CAL 2 00008	MET Spike 3C 00025	
580-99729-C-1	MW-2_24.06_20201 210	3005A, 6020B	R	50 mL	50 mL				
580-99729-C-2	MW-3_24.59_20201 210	3005A, 6020B	R	50 mL	50 mL				
580-99729-C-3	MW-6_14.24_20201 210	3005A, 6020B	R	50 mL	50 mL				
580-99729-C-4	MW-9_24.33_20201 210	3005A, 6020B	R	50 mL	50 mL				
580-99729-C-6	MW-12_27.31_2020 1210	3005A, 6020B	R	50 mL	50 mL				
580-99729-C-5	MW-11_26.25_2020 1210	3005A, 6020B	R	50 mL	50 mL				
MB 580-345561/24		3005A, 6020B		50 mL	50 mL				
LCS 580-345561/25		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-345561/26		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

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

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METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 345561 Batch Start Date: 12/14/20 17:52 Batch Analyst: Hua, Tammy MBatch Method: 3005A Batch End Date: 12/14/20 22:27

Batch Notes	
Temperature - Corrected - End	91.5 Degrees C
Temperature - Corrected - Start	91.5 Degrees C
Digestion End Time	12/14/2020 22:27
Digestion Start Time	12/14/2020 18:27
Digestion Unit ID	BLOCK b
Hydrochloric Acid ID	2723685
Nitric Acid ID	2643720
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	see above
Analyst ID - Spike Witness Analyst	TH
Sufficient Volume for Batch QC	yes
Thermometer Location ID	b12
Thermometer ID	700647
Digestion Tube/Cup ID	2535260
Temperature - Uncorrected - End	91.0 Degrees C
Temperature - Uncorrected - Start	91.0 Degrees C

Basis	Basis Description
R	Total Recoverable

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

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METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 345632 Batch Start Date: 12/15/20 15:46 Batch Analyst: Hua, Tammy MBatch Method: FILTRATION Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 580-345632/11		FILTRATION, 200.8, 6020B		250 mL	250 mL				
LCS 580-345632/12		FILTRATION, 200.8, 6020B		250 mL	250 mL				
LCSD 580-345632/13		FILTRATION, 200.8, 6020B		250 mL	250 mL				

Batch Notes	
Filter ID	1264128
Nitric Acid ID	2671207

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.

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METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 345632 Batch Start Date: 12/15/20 15:46 Batch Analyst: Hua, Tammy MBatch Method: FILTRATION Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
580-99729-D-1	MW-2_24.06_20201 210	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-99729-D-2	MW-3_24.59_20201 210	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-99729-D-3	MW-6_14.24_20201 210	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-99729-D-4	MW-9_24.33_20201 210	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-99729-D-5	MW-11_26.25_2020 1210	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				
580-99729-D-6	MW-12_27.31_2020 1210	FILTRATION, 3005A, 6020B	D	250 mL	250 mL				

Batch Notes	
Filter ID	1264128
Nitric Acid ID	2671207

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.

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METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 345767 Batch Start Date: 12/16/20 18:38 Batch Analyst: Hua, Tammy MBatch Method: 200.8 Batch End Date: 12/16/20 22:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00009	ICP CAL 2 00008	MET Spike 3C 00025	
MB 580-345632/11-A		200.8, 6020B		50 mL	50 mL				
LCS 580-345632/12-A		200.8, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-345632/13-A		200.8, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	

Batch Notes	
First End time	see above
Lot # of hydrochloric acid	2723690
Lot # of Nitric Acid	2712015
Hot Block ID	block a
Oven, Bath or Block Temperature 1	93.5
Oven, Bath or Block Temperature 2	93.5
Pipette ID	METALS-PREP-2
First Start time	see above
Thermometer Location ID	a23
Thermometer ID	1108438
Digestion Tube/Cup ID	2535260
Uncorrected Temperature	94 Celsius
Uncorrected Temperature 2	94 Celsius

Basis	Basis Description

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

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METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 345768 Batch Start Date: 12/16/20 17:35 Batch Analyst: Hua, Tammy MBatch Method: 3005A Batch End Date: 12/16/20 22:38

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP CAL 1 00009	ICP CAL 2 00008	MET Spike 3C 00025	
580-99729-D-1-A	MW-2_24.06_20201	3005A, 6020B	D	50 mL	50 mL				
580-99729-D-1-A DU	MW-2_24.06_20201	3005A, 6020B	D	50 mL	50 mL				
580-99729-D-1-A MS	MW-2_24.06_20201	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-99729-D-1-A MSD	MW-2_24.06_20201	3005A, 6020B	D	50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
580-99729-D-2-A	MW-3_24.59_20201	3005A, 6020B	D	50 mL	50 mL				
580-99729-D-3-A	MW-6_14.24_20201	3005A, 6020B	D	50 mL	50 mL				
580-99729-D-4-A	MW-9_24.33_20201	3005A, 6020B	D	50 mL	50 mL				
580-99729-D-5-A	MW-11_26.25_2020 1210	3005A, 6020B	D	50 mL	50 mL				
580-99729-D-6-A	MW-12_27.31_2020 1210	3005A, 6020B	D	50 mL	50 mL				
MB 580-345768/10		3005A, 6020B		50 mL	50 mL				
LCS 580-345768/11		3005A, 6020B		50 mL	50 mL	0.5 mL	0.5 mL	0.5 mL	
LCSD 580-345768/12		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.

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METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Seattle Job No.: 580-99729-1

SDG No.: _____

Batch Number: 345768 Batch Start Date: 12/16/20 17:35 Batch Analyst: Hua, Tammy MBatch Method: 3005A Batch End Date: 12/16/20 22:38

Batch Notes	
Temperature - Corrected - End	91.5 Degrees C
Temperature - Corrected - Start	91.5 Degrees C
Digestion End Time	12/16/2020 22:38
Digestion Start Time	12/16/2020 18:38
Digestion Unit ID	BLOCK a
Hydrochloric Acid ID	2723685
Nitric Acid ID	2643720
Pipette/Syringe/Dispenser ID	METALS-PREP-2
Analyst ID - Spike Analyst	see above
Analyst ID - Spike Witness Analyst	TH
Sufficient Volume for Batch QC	yes
Thermometer Location ID	a48
Thermometer ID	700647
Digestion Tube/Cup ID	2535260
Temperature - Uncorrected - End	91.0 Degrees C
Temperature - Uncorrected - Start	91.0 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.

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